Environmental Assessment and Alternative Route Analysis for the CenterPoint Energy Proposed 138kV Mill Creek Substation and Transmission Line Harris and Montgomery Counties, Texas

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TRC Project Number: 507707

EXECUTIVE SUMMARY

CenterPoint Energy Houston Electric, LLC (CenterPoint Energy) proposes to construct a new 138 kilovolt ("kV") double circuit transmission line (Project) located in southern Montgomery County and northern Harris County, Texas. The Project will connect a proposed substation, to be called the Mill Creek Substation, to the existing 138kV Circuit 81 near Pinehurst Substation, located at 151 Coe Road (**Figure 1.1**). The Mill Creek Substation will be located at one of three proposed locations (Substation A, B, or C). The total Project length will range from 2.84 to 4.11 miles depending on the substation and route selected and will require an 80-foot-wide right-of-way (ROW).

CenterPoint Energy retained TRC Companies, Inc. (TRC) to prepare this Environmental Assessment and Alternative Route Analysis to support their Public Utility Commission of Texas ("PUC") application for a Certificate of Convenience and Necessity (CCN) for the Project.

CenterPoint Energy provided the location of the existing 138kV transmission line corridors and the distribution load center. The Study Area boundary was then delineated by a review of the area and potential paralleling features. Data collection was conducted to identify the Land Use, Constructability, and Ecological/Biological constraints within the Study Area. Data collection included a review of readily available data and coordination with federal and state regulatory agencies.

CenterPoint Energy and TRC identified 23 primary transmission line routes that provide geographic diversity and connect three potential substation sites to four potential tie-in spots.

TRC tabulated the potential environmental and land use impacts for each proposed alternative route for each evaluation criterium. CenterPoint Energy provided the engineering review and estimated construction cost for each proposed alternative route. TRC compared the proposed alternative routes and determined that Proposed Alternative Route 4-A best addresses the requirements of the Public Utility Regulatory Act ("PURA") and PUC Substantive Rules.

CenterPoint Energy provided input and review throughout the routing process and agreed that Proposed Alternative Route 4-A is the proposed alternative route that best addresses the requirements of PURA and PUC Substantive Rules.

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Acronyms and Abbreviations

ACS	American Community Survey
APLIC	Avian Power Line Interaction Committee
BGEPA	Bald and Golden Eagle Protection Act
CenterPoint Energy	CenterPoint Energy Houston Electric, LLC
CMP	Coastal Management Program
CCN	Certificate of Convenience and Necessity
CWA	Clean Water Act
DoD	Department of Defense
EA	EA and Alternative Route Analysis
EOR	Element Occurrence Records
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulations
FEMA	Federal Emergency Management Agency
FWCA	Fish and Wildlife Coordination Act
GIS	Geographic Information Systems
GLO	General Land Office
HGAC	Houston-Galveston Area Council
IP	Individual Permit
IPaC	Information for Planning and Consultation
kV	kilovolt
LSGCD	Lone Star Groundwater Conservation District
MBTA	Migratory Bird Treaty Act
NEPA	National Environmental Policy Act
NESC	National Electrical Safety Code
NHPA	National Historic Preservation Act
NLCD	National Land Cover Database
NOI	Notice of Intent
NOT	Notice of Termination
NRC	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWP	Nationwide Permit
Project	Proposed Mill Creek substation and new 345kV line

PUC	Public Utility Commission of Texas
PURA	Public Utility Regulatory Act
RHA	Rivers and Harbors Act of 1899
ROW	Right-of-Way
SAL	State Antiquities Landmarks
SGON	Species of Greatest Conservation Need
SWPPP	Stormwater Pollution Prevention Plan
TAC	Texas Antiquities Committee
T&E	Threatened and Endangered Species
TPDES	Texas Pollution Discharge Elimination System
THC	Texas Historical Commission
TPWD	Texas Parks and Wildlife Department
TRC	TRC Companies
TSS	Total Suspended Solids
TCEQ	Texas Commission on Environmental Quality
TSS	Total Suspended Solids
TWDB	Texas Water Development Board
TxDOT	Texas Department of Transportation
TXNDD	Texas Natural Diversity Database
TX150000	General Construction Permit
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U.S. Fish and Wildlife Service

1.0 DESCRIPTION OF THE PROPOSED PROJECT

1.1 SCOPE OF THE PROJECT

CenterPoint Energy Houston Electric, LLC (CenterPoint Energy) is proposing to design and construct a new 138-kilovolt (kV) transmission line (Project) in the southern Montgomery County, Texas and northern Harris County, Texas. The Project will connect a proposed substation, to be called the Mill Creek Substation, to the existing 138kV Circuit 81 a few miles south of Pinehurst Substation, located at 151 Coe Road (**Figure 1.1**). The Mill Creek Substation will be located at one of three proposed locations (Substation A, B, or C). The total Project distance will range from 2.84 to 4.11 miles depending on the substation and route selected and will require an 80-foot-wide right-of-way (ROW).

CenterPoint Energy retained TRC Companies, Inc. (TRC) to prepare this Environmental Assessment and Alternative Route Analysis (EA) to support their Application for a Certificate of Convenience and Necessity (CCN) for the Project. The EA discusses the environmental, land use, cultural and technical/constructability opportunities, and constraints in the area, describes the routing methodology used, documents the public involvement process, and provides a comparative analysis of the primary transmission line routes.

To assist with developing the scope of the Project, CenterPoint Energy provided TRC with the three potential Mill Creek Substation locations and the preferred tie-in locations to the existing 138kV Circuit 81 transmission line. CenterPoint Energy also highlighted a section of the Project area which was considered technically limited due to the presence of counterpoise equipment to minimize interference with the existing railroad in the area. CenterPoint Energy provided information concerning estimated cost for each alternative, ROW requirements, and other design requirements.

1.2 AGENCY ACTIONS

Consultation letters regarding the Project were sent to federal, state, and local agencies to solicit their input regarding Project routing and potential permitting requirements. The following paragraphs describe the state and federal agencies contacted and the issues involved in sitting, permitting, and constructing electric transmission lines in Texas. Copies of the Agency Correspondence records are provided in **Appendix A**.

1.2.1 Public Utility Commission of Texas

The Public Utility Commission of Texas (PUC) is the regulating agency for transmission line routing in Texas. This EA has been prepared to support CenterPoint Energy's application for a CCN with the PUC for this Project. This document is intended to provide information on certain environmental and land use factors contained in Public Utility Regulatory Act (PURA)

§ 37.056(c)(4), and PUC's Substantive Rule 16 TAC § 25.10 l (b)(3), as well as to address the PUC's CCN application requirements. This report may also be used to support local, state, or federal permitting, if necessary. CenterPoint Energy will obtain PUC approval of its CCN application prior to beginning construction of the Project.

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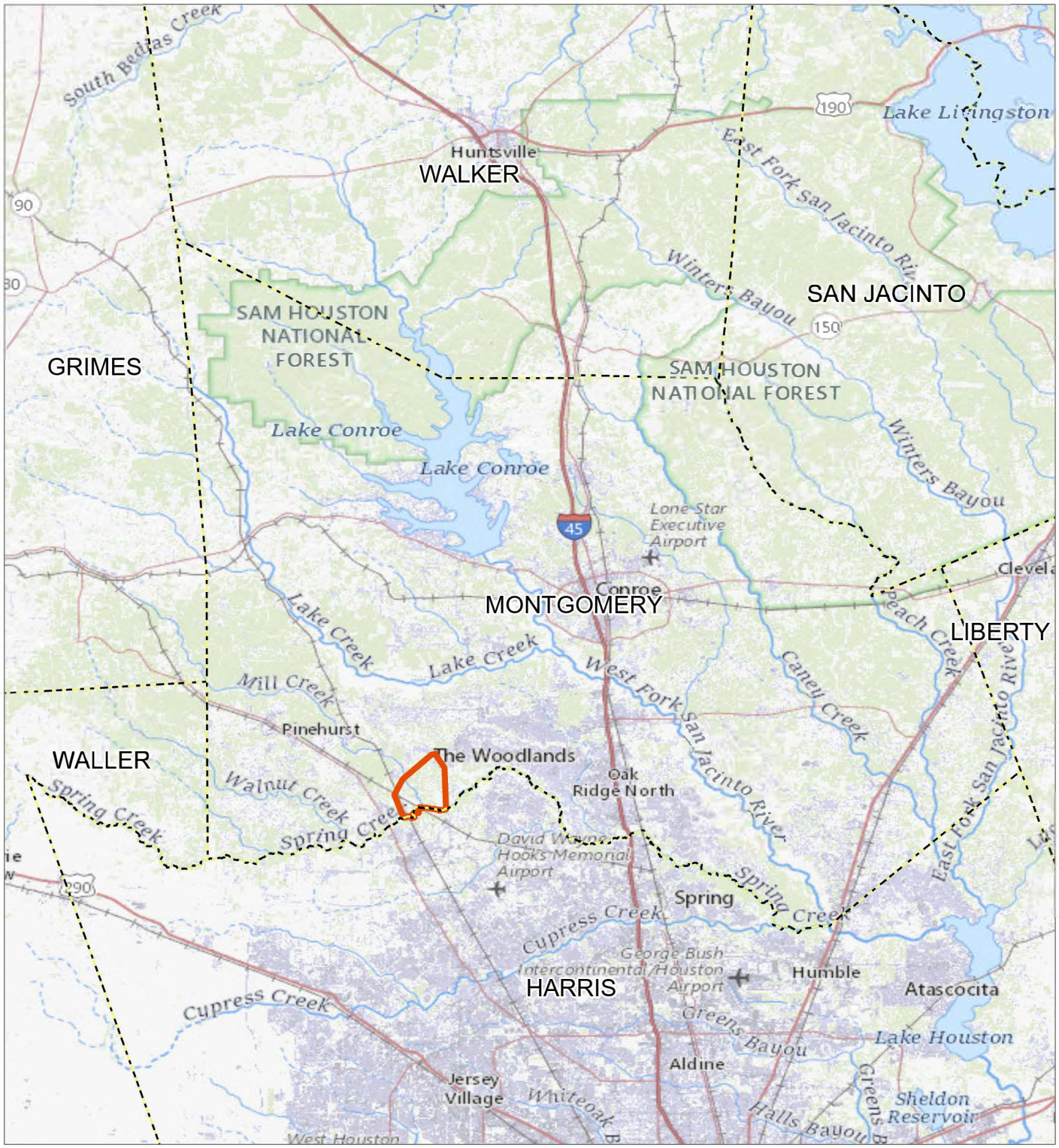
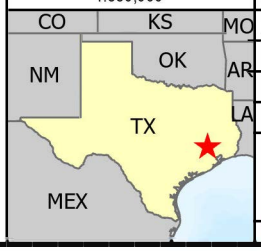


STUDY AREA

COUNTY BOUNDARY

BASE MAP: USGS TOPOGRAPHIC MAP
DATA SOURCES: TRC, USGS

0 5 10
MILES
1:550,000



PROJECT: CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE: PROJECT VICINITY MAP

DRAWN BY:	J. YOUNG	PROJ. NO.:	507707.0000
CHECKED BY:	D. SWEENEY		
APPROVED BY:	H. EFFLER		FIGURE1.1
DATE:	APRIL 2023		

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_EA_MAPPING

COORDINATE SYSTEM: GCS WGS 1984; MAP ROTATION: 0
SAVED BY: JRYOUNG ON 4/4/2023 10:40:00 AM; FILE PATH: T:\ARCGISPRO\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_EA_MAPPING.APRX; LAYOUT NAME: PROJECT_VICINITY

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1.2.2 United States Army Corps of Engineers

Under Section 404 of the Clean Water Act (CWA), activities in waters of the U.S., which includes wetlands, are regulated at the federal level by the U.S. Army Corps of Engineers (USACE) and at the state level by the Environmental Protection Agency (EPA). Certain construction activities that impact waters of the U.S. are authorized under the USACE's Nationwide Permit (NWP) program, or by an Individual Permit (IP). All NWPs are subject to a list of general conditions which include a prohibition on the use of NWPs to authorize any activity that is likely to directly or indirectly jeopardize the continued existence of a listed species protected by the Endangered Species Act (ESA) or destroy or adversely modify the critical habitat of a listed species.

Following PUC selection and approval of the Final Route, a wetland delineation will be conducted to determine the presence and potential impacts to wetlands and waters along the Final Route. Depending on the Project impacts to waters of the U.S., additional coordination, jurisdictional field verification, and permitting with the USACE Galveston District may be required. Potential USACE permitting efforts are detailed in the following paragraphs. If USACE permitting is required, a review of cultural resources will be conducted to comply with Section 106 of the National Historic Preservation Act of 1996, as amended.

Prior to April 15, 2020, NWP 12 (Utility Line Activities) was typically used to authorize most utility line projects with potential impacts to waters of the U.S. However, a federal court in the District of Montana determined that the USACE's 2017 reissuance of the NWP 12 violated the ESA and therefore the court vacated NWP 12. As a result, NWP 12 cannot be used to authorize any activities. Effective March 15, 2021, the 2021 NWPs were reissued including five new NWPs. NWP 57 (Electrical Utility Line and Telecommunication Activities) is a new permit that authorizes activities required for the construction, maintenance, repair, and removal of electric utility lines, telecommunication lines, and associated facilities in waters of the U.S. Activities include electrical utility line and communication lines; electrical line and telecommunication substations; foundations for overhead electrical line or telecommunication line towers, poles, and anchors; and access roads.

Certain activities authorized by this NWP require reporting (a pre-construction notification or PCN), and the maximum authorized loss of waters of the U.S. is ½ acre for each single and complete project. Additionally, to comply with the TCEQ, Soil Erosion and Sediment Controls under General Condition 12 are required. Postconstruction Total Suspended Solids (TSS) controls under General Condition 25 are required. If losses to waters of the U.S. exceed ½ acre, or the conditions are exceeded, an IP would be required.

Under Section 10 of the Rivers and Harbors Act of 1899 (RHA), 33 U.S.C. § 403, the USACE is directed by Congress to regulate all work and structures in, or affecting the course, condition, or capacity of navigable waters of the U.S., including tidal waters. No navigable waters occur within the study area that would require permitting under this Act.

1.2.3 United States Fish and Wildlife Service

The USFWS administers federal wildlife laws and provides technical and biological information for proposed projects under the jurisdiction of the ESA, Migratory Bird Treaty Act (MBTA), and Bald and Golden Eagle Protection Act (BGEPA). Additionally, USFWS oversight includes review

of projects with a federal nexus under the Fish and Wildlife Coordination Act (FWCA) and National Environmental Policy Act (NEPA).

An initial review of federally protected species was conducted using the USFWS's Information for Planning and Consultation (IPaC). IPaC is a tool to assist project proponents in increasing the compatibility of their activities with the conservation of USFWS trust resources. It is meant to assist with implementation of all activities regardless of whether they will be implemented through Sections 7 or 10 of the ESA. An "official" species-list obtained through IPaC is considered the USFWS's official response. Once the PUC approves the Final Route, additional coordination with USFWS may be necessary to determine the need for additional species surveys, and to avoid or minimize potential adverse impacts to sensitive habitats, T&E species, and other protected fish and wildlife resources.

1.2.4 Federal Aviation Administration

According to Federal Aviation Administration's (FAA) Federal Aviation Regulations (FAR), Part 77, the construction of a transmission line requires FAA notification if structure heights exceed 200 feet or the height of an imaginary surface extending outward and upward at one of the following slopes (FAA, 2010):

- A 100:1 slope for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of a public or military airport having at least one runway longer than 3,200 feet.
- A 50:1 slope for a horizontal distance of 10,000 feet from the nearest runway of a public or military airport where no runway is longer than 3,200 feet in length.
- A 25:1 slope for a horizontal distance of 5,000 feet for heliports.

Based on these guidelines, CenterPoint Energy will make a final determination of the need for FAA notification based on the alignment of the Final Route, structure heights, and structure designs. If necessary, CenterPoint Energy will file a Notice of Proposed Construction or Alteration (Form 7460-1) with the FAA Southwest Regional Office in Fort Worth, Texas at least 30 days prior to construction. The result of this notification, and the subsequent coordination with the FAA, could include changes in the design or potential requirements to mark or illuminate portions of the line.

The U.S. Department of Defense (DoD) Military Aviation and Installation Assurance Siting Clearinghouse, 16 TAC 22.52, requires the DoD be notified and an affidavit attesting to the notification shall also be provided with the application. The DoD shall also be provided written notice of the public meeting and if a public meeting is not held, the DoD shall be notified of the planned filing of the application prior to the completion of the routing study. The DoD was notified and invited to the public meeting (**Appendix A**). CenterPoint Energy will complete an affidavit attesting to this notification.

1.2.5 Texas Parks and Wildlife Department

The Texas Parks and Wildlife Department (TPWD) is the state agency with the primary responsibility for protecting the fish and wildlife resources in accordance with the Texas Parks and Wildlife Code Section 12.0011(b). On behalf of CenterPoint Energy, TRC reviewed the TPWD's Texas Natural Diversity Database (TXNDD), and county listed threatened and

endangered (T&E) species during the Project scoping phase to assess the potential for federal and state-listed T&E species to occur in the vicinity of the Project. Data from the TXNDD does not provide a definitive statement as to the presence, absence, or condition of special status species, natural communities, or other significant features within a specified area. A copy of this EA will be submitted to TPWD when the CCN application is filed with the PUC. Once the PUC approves the Final Route, additional coordination with TPWD may be necessary to determine the need for additional species surveys, and to avoid or minimize potential adverse impacts to sensitive habitats, T&E species, and other protected fish and wildlife resources (**Appendix A**).

1.2.6 Texas Coastal Management Program

The Coastal Coordination Council is the administrator of the Texas Coastal Management Program (CMP) along with the Texas General Land Office (GLO). Together these agencies are responsible for implementing the Coastal Management Plan. Montgomery County is not located within the Coastal Management Zone. Portions of Harris County are located within the Coastal Management Zone; however, the Project is not located within the boundaries of the Coastal Management Zone (GLO, 2023). No coordination with the GLO regarding the CMP is required for the Project.

1.2.7 Floodplain Management

As directed by Federal Emergency Management Agency (FEMA), CenterPoint Energy will consult as necessary with the county floodplain administrator once the Final Route is approved by the PUC. Impacts to floodplains located in Montgomery County are overseen by the Montgomery County Floodplain Administrator. Impacts to floodplains located in Harris County are overseen by the Harris County Floodplain Administrator and unincorporated areas of Harris County are overseen by the County Engineer's office. The Region 6 Administrator for FEMA was also consulted. Most of the route alternatives pass through areas mapped as 100-year floodplain (FEMA 2008).

1.2.8 Texas Commission on Environmental Quality

The Project may require a Texas Pollution Discharge Elimination System (TPDES) General Construction Permit (TX150000) as implemented by the Texas Commission on Environmental Quality (TCEQ) under the provisions of Section 402 of the CWA and Chapter 26 of the Texas Water Code. The TCEQ has developed a three-tiered approach for implementing this permit that is dependent on the acreage of disturbance. No permitting is required for land disturbances of less than one acre (Tier I). Disturbance of more than one acre, but less than five acres, would require implementation of a Storm Water Pollution Prevention Plan (SWPPP) (Tier II). If more than five acres of land are disturbed, the requirements mentioned above for Tier II are necessary and the submittal of a Notice of Intent (NOI) and Notice of Termination (NOT) to the TCEQ is also required (Tier III) (TCEQ, 2023). Once the Final Route is approved by the PUC, CenterPoint Energy will determine the amount of ground disturbance and the appropriate tier and conditions of the TX general permit no. TXR150000.

1.2.9 Texas Historical Commission

Cultural resources are protected by federal and state laws if they have some level of significance under the criteria of the National Register of Historic Places (NRHP) (36 Code of Federal

Regulations [CFR] Part 60) or under State guidance Texas Antiquities Committee (TAC), Title 13, Part 2, Chapter 26.7-8).

TRC completed a desktop study of the study area and uploaded a copy to the electronic Texas Historical Commission (THC) Review and Compliance (eTRAC) system for THC Project review on April 3, 2023 under Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended and the Antiquities Code of Texas, if applicable (**Appendix A**). The THC reviewed the desktop study, provided a response on April 25, 2023, and is requiring an archaeological and historic resources survey of the Final Route under Section 106 of the NHPA prior to initiating any ground disturbance. Additionally, any activities within 100 feet of historic cemeteries will require archaeological investigations to evaluate for potentially unmarked burials. A copy of the THC response is included in **Appendix A**.

If state lands or subdivisions of the state are in the Project area, including school districts, cities, counties, or municipalities, the Antiquities Code is triggered, and an Antiquities permit is required prior to performing an archaeological survey on lands owned or controlled by a subdivision of the state.

1.2.10 Texas Department of Transportation

Permits and approvals will be obtained from the Texas Department of Transportation (TxDOT) for any crossing of, or access from, a TxDOT-maintained roadway. Best management practices (BMPs) will be used, as required, to minimize erosion and sedimentation resulting from the construction. Revegetation will occur within TxDOT controlled ROW as required under the "Revegetation Special Provisions" and contained in TxDOT Form 1082 (Rev. 12/09).

1.2.11 Texas General Land Office

The Texas General Land Office (GLO) requires a Miscellaneous Easement (ME) for any ROW crossing a state-owned riverbed, navigable stream, or tidally influenced waters. The agency asked to be contacted once the Final Route for the Project has been determined to see if it will cross any streambeds or Permanent School Fund (PSF) land that would require an easement from the GLO. However, no GLO easement has been identified or is anticipated for this Project.

1.3 DESCRIPTION OF PROPOSED DESIGN AND CONSTRUCTION

1.3.1 Structure Design

CenterPoint Energy proposes to predominantly use 138kV double-circuit steel lattice towers in a vertical phase configuration in an 80-foot-wide ROW for all the proposed alternative routes (**Figure 1.2**). Depending on the terrain and other considerations, such as existing CNP structure designs and the length of span between structures and clearance requirements needed to cross waterways, wetland areas, FAA determinations or utility and roadway crossings, CenterPoint Energy may require a wider ROW widths and alternative structure types such as tubular steel poles (**Figure 1.3)** or concrete poles (**Figure 1.4**) in a vertical configuration in a 80-foot wide ROW and flat-tap steel structure in a horizontal configuration in a 180-foot wide ROW to approach and dip under existing transmission lines (**Figure 1.6**). In the event where a structure is needed to terminate a fiber cable inside the substation, a concrete pole would be considered. The exact location or extent of the different ROW widths or the use of a different structure types cannot be

determined until a route is approved, surveys are conducted, and more detailed engineering designs are completed.

Construction of steel lattice towers will require drilled pier foundations made of steel-reinforced concrete. The span length between steel lattice tower structures will be approximately 600 to 800 feet. Typical lattice tower height in a vertical phase configuration will have a height range of approximately 90 to 140 feet depending on terrain and required National Electrical Safety Code (NESC) clearances (**Figure 1.2**).

Construction of tubular steel poles will require drilled shaft foundations made of steel-reinforced concrete. Typical tubular steel poles will have a height range of approximately 60 to 190 feet tall depending on the terrain and required NESC clearances and have a span length between 600 and 800 feet (**Figure 1.3**).

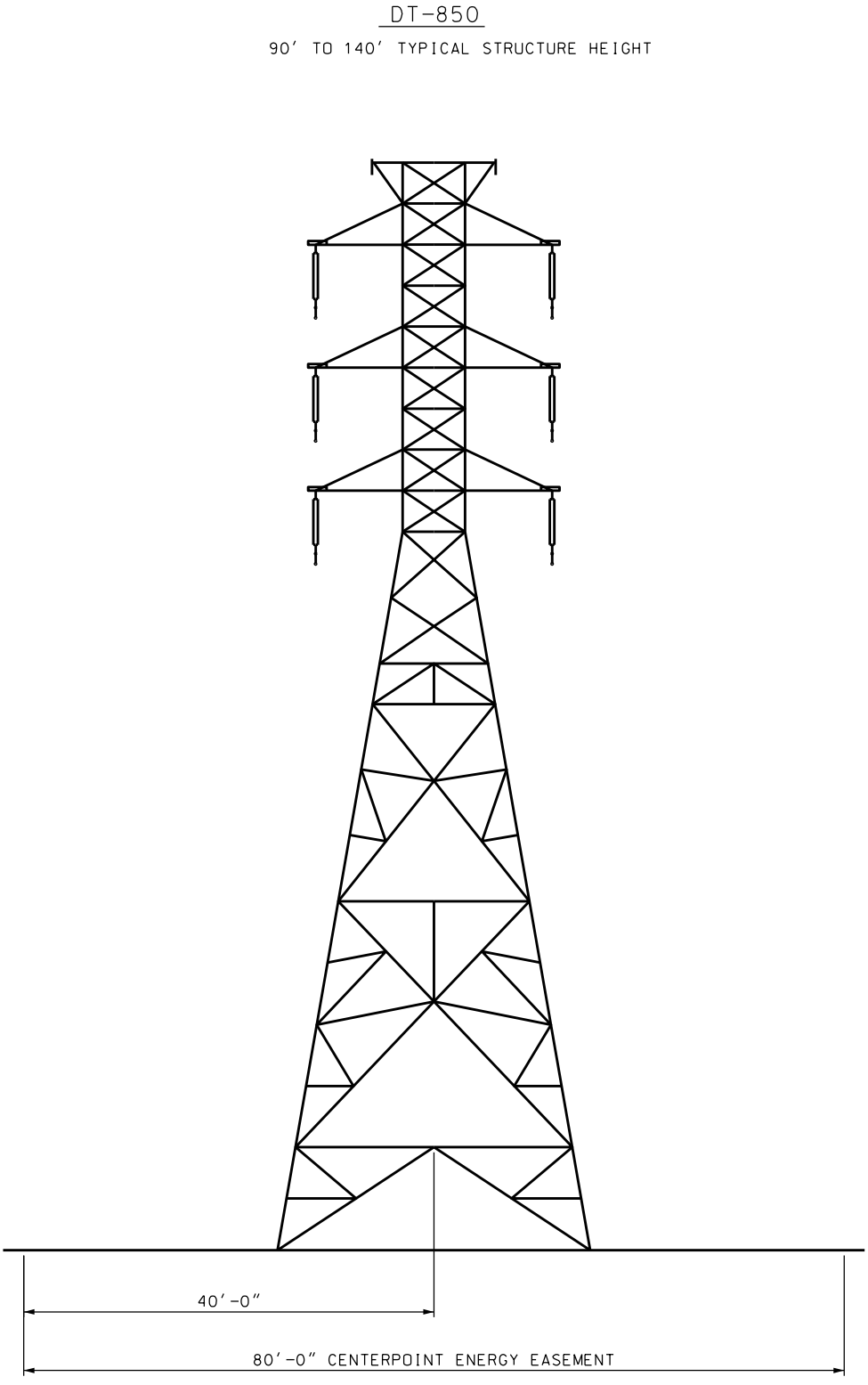

Figure 1.2 Typical Lattice Tower (DT-850)

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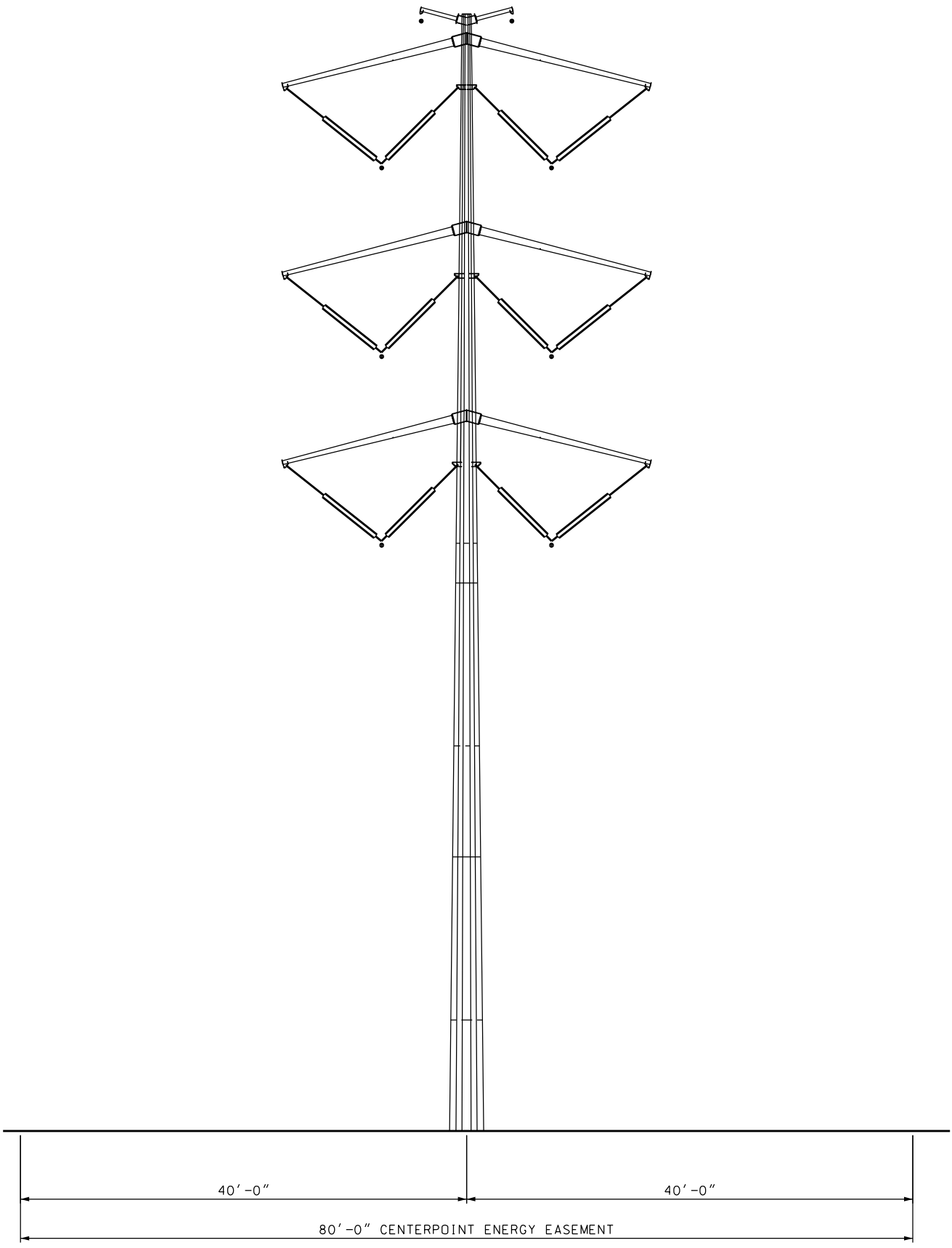

Figure 1.3 138kV Tangent Steel Pole

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Construction of concrete monopoles would not require a drilled shaft foundation and instead would be direct embedded. Typical concrete poles in a vertical configuration will have a height range of approximately 90 to 120 feet tall depending on the terrain and required NESC clearances and have a span length between 250 and 350 feet (**Figure 1.4**).

Construction of narrow base steel monopoles would be considered in road ROW segments where constraints within the road ROW would prevent the use of concrete monopoles. Construction of narrow base monopoles would not require a drilled shaft foundation and instead would be direct embedded. Typical narrow base steel monopoles will have a height range of approximately 90 to 120 feet tall depending on the terrain and required NESC clearances and have a span length between 250 and 350 feet (**Figure 1.5**).

Construction of steel flat tap structures would be considered when crossing under existing transmission lines. Construction of steel flat tap structures will require drilled shaft foundations made of steel reinforced concrete. Typical flat tap steel structures will have a height range of approximately 35 to 55 feet tall depending on the terrain and required NESC clearances and have a span length between 150 and 400 feet (**Figure 1.6**).

The exact range of different structure heights and spans cannot be determined until a route is approved by the PUC, surveys are conducted, and more detailed engineering designs are completed.

1.3.2 Surveying

Surveying of the transmission line ROW is required to locate the centerline, the structure locations, obstacles above and below ground, and the edges of both new and existing ROW. Surveying will be conducted after the PUC approves a Final Route.

1.3.3 Clearing

Tree and shrub clearing may be needed in areas where new ROW is acquired. If a SWPPP is required, it will be implemented along the Final Route before clearing begins. Mechanized cutters and hand tools will be used to remove impeding vegetation to ground level.

1.3.4 Structure Placement

Specialized wide-track vehicles, tractor trailers and line trucks with trailers will be used to transport construction materials along the ROW to the structure locations. Typically, the concrete foundations will be installed before the steel lattice towers, flat-tap steel structures, and tubular steel poles are erected to allow the foundations to cure and reach adequate strength.

Concrete and narrow base steel poles will be delivered to the site location shortly before the poles are ready to be set. A large crane would then set the concrete or narrow base steel pole into an excavated hole. The hole will be backfilled with crushed limestone. The steel lattice towers will be delivered in bundles and set next to the proposed structure location shortly before structure erection. The steel lattice towers will be assembled on-site, and a crane will be used to set the sections onto the previously installed foundations.

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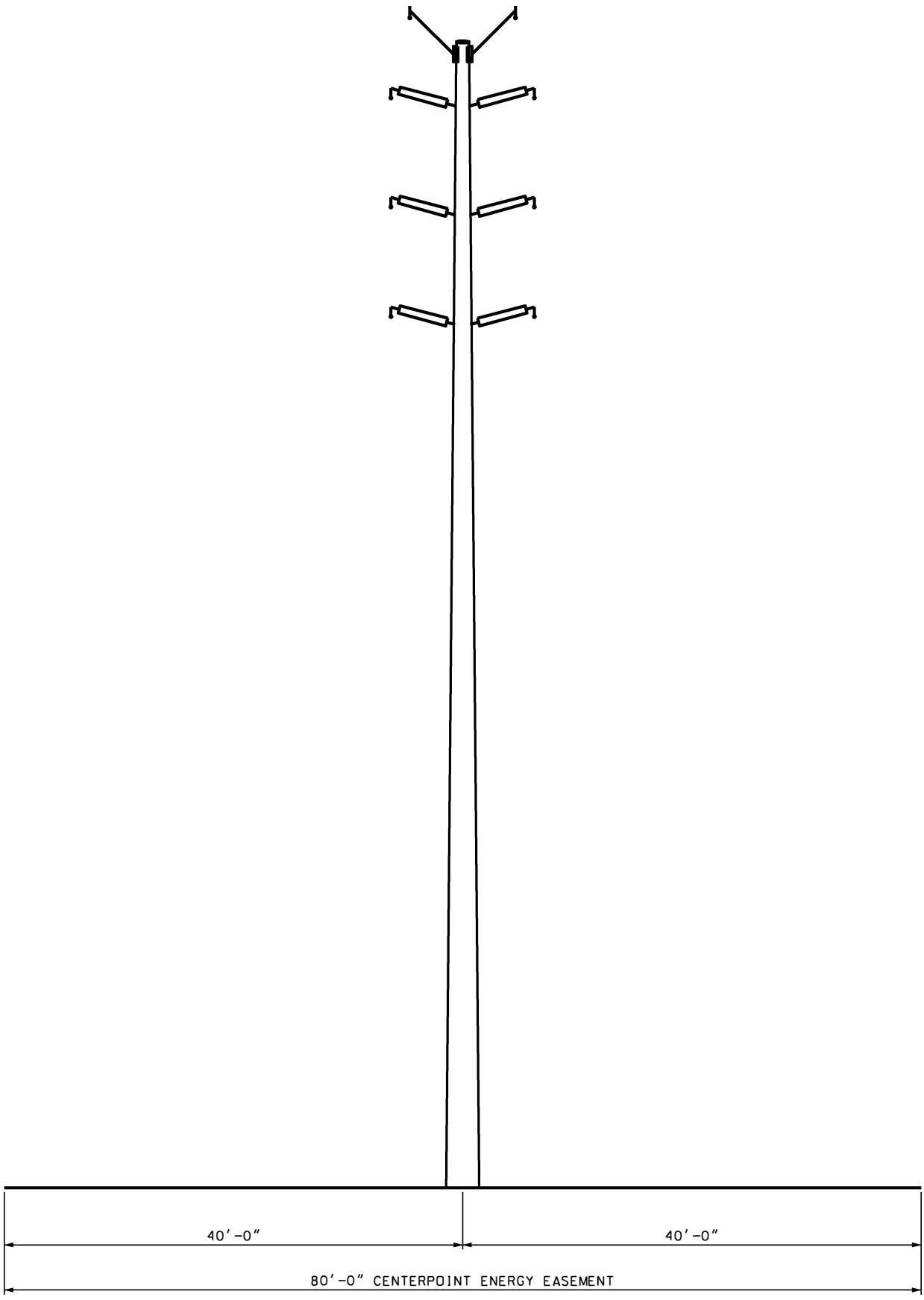

Figure 1.4 138kV Concrete Pole

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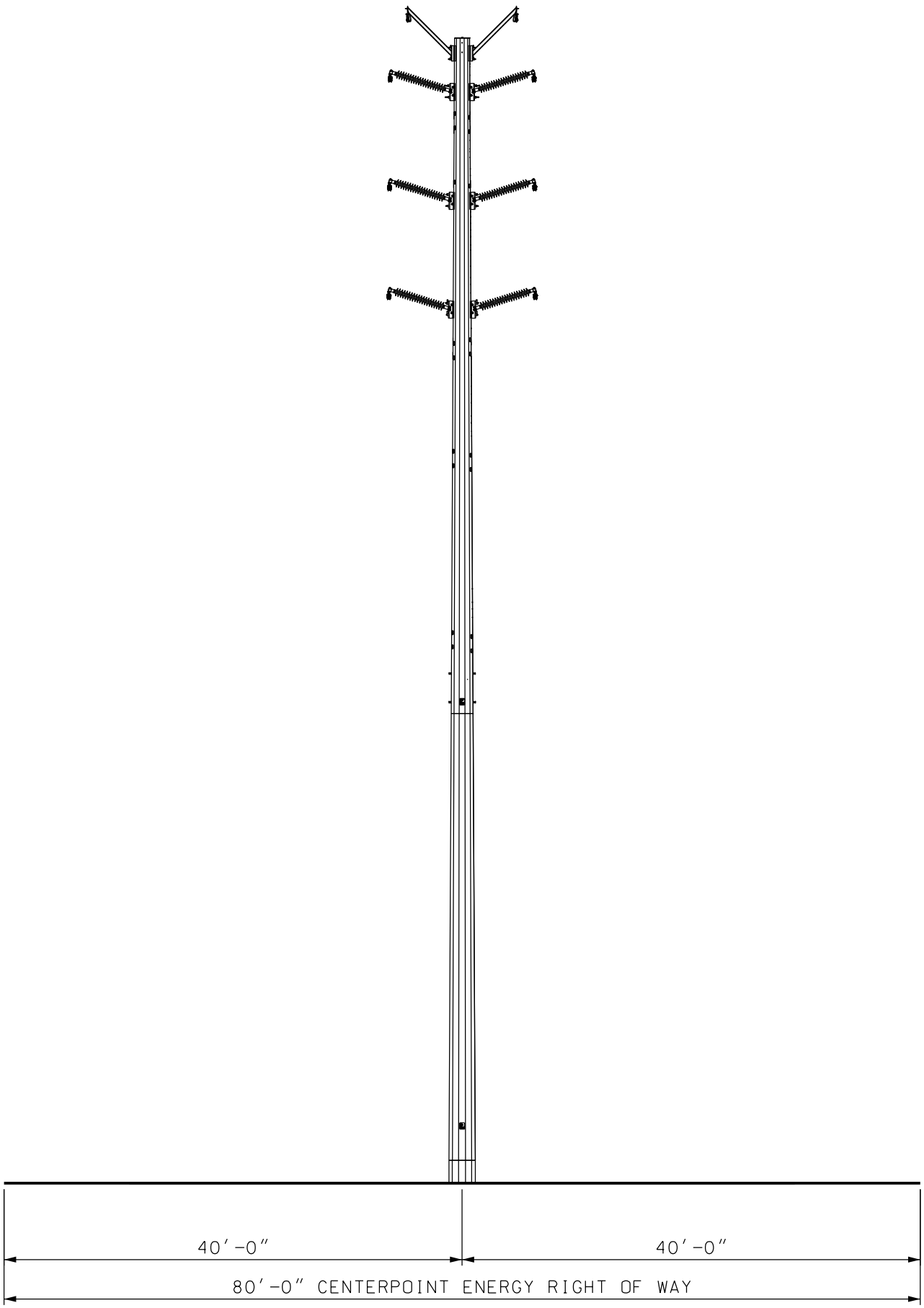

Figure 1.5 138kV Narrow Base Steel Monopole

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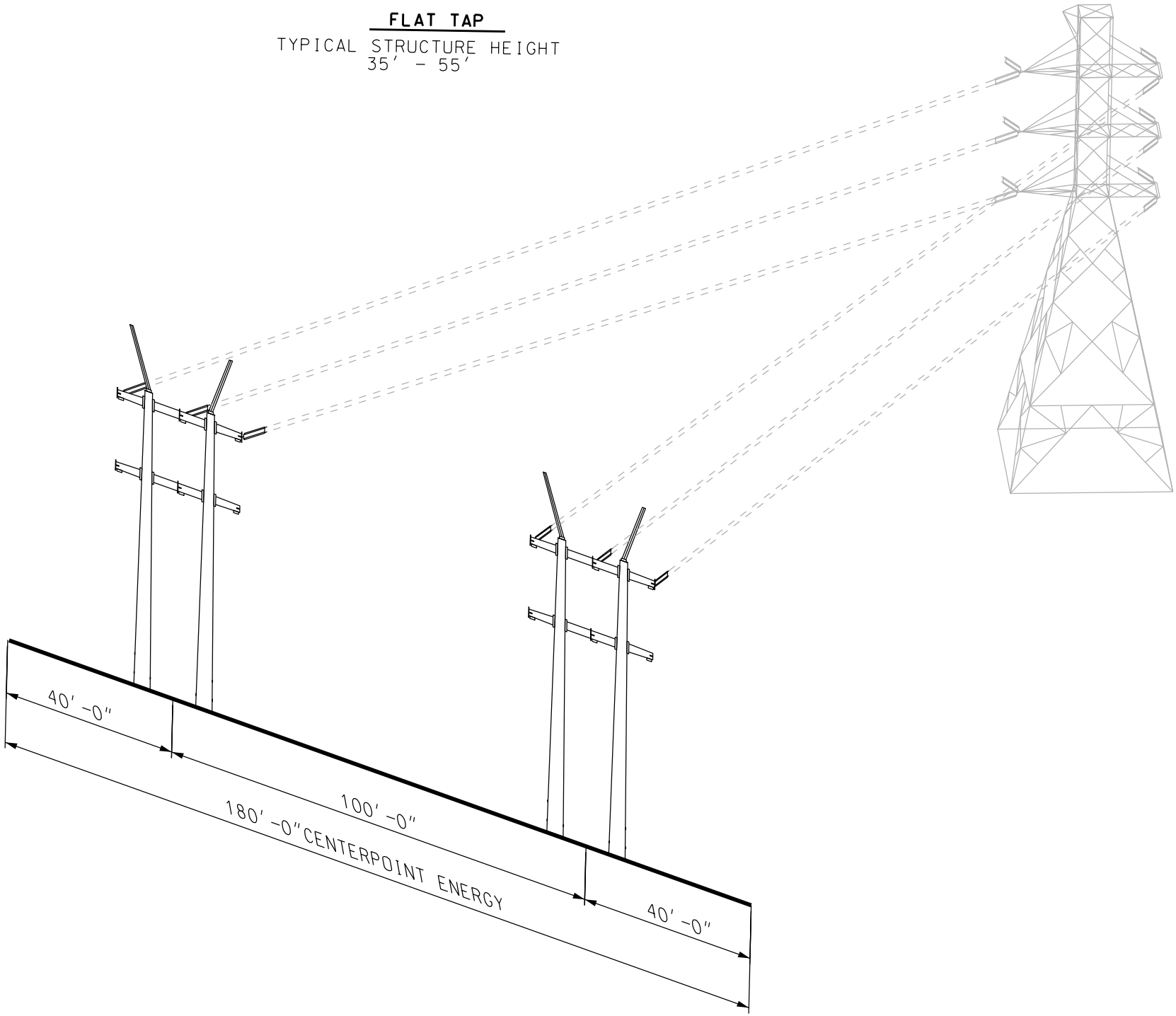

Figure 1.6 138KV Flat Tap and RM90_ISO

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1.3.5 Conductor and Static Wire Installation

Once the structures have been erected, the stringing and clipping-in of conductors and static wires will begin. Outages are not anticipated during the conductor and static wire installation. Each road crossing will have temporary guard structures and/or conductor shields installed for public and laborer protection while stringing in the new conductors. Existing transmission and distribution circuits will have temporary guard structures and/or conductor shields installed for public and laborer protection while stringing in the new conductors.

1.3.6 Cleanup

Cleanup operations will be performed as construction activities are completed. Cleanup includes removal of debris, unused materials, and trash. Any necessary soil stabilization and reestablishing of vegetation cover will also occur during cleanup, following the procedures dictated in the SWPPP, if required. Pre-construction contours will also be restored following construction.

2.0 DESCRIPTION OF THE STUDY AREA

The study area, as shown in **Figure 1.1,** is in southern Montgomery County, Texas, and northern Harris County, Texas. The study area is situated in the Houston Metropolitan Area between the cities of Magnolia, the Woodlands, and Tomball. No part of the Project is within Magnolia city limits. The southern Project boundary is defined by the Montgomery/Harris County line except for a short portion that extends into northern Harris County; the eastern boundary is parallel to FM 2978 Road; the northern boundary begins approximately ½ mile north of Hardin Store Road; and the western boundary parallels the Burlington Northern Santa Fe (BNSF) Railroad. The study area boundary is inclusive of all proposed Project components.

Section 2.0 was developed to further describe in detail the environmental characteristics within the study area boundary.

2.1 COMMUNITY VALUES

The term "community values" is included as a factor for consideration of transmission line certification under PURA § 37.056(c)(4). Although the term is not formally defined in the statute or PUC rules, the PUC and the PUC Staff have recognized a working definition as "a shared appreciation of an area or other mutual resource by a national, regional, or local community" in several CCN proceedings. The PUC CCN application requires information related to the following items that may provide indications of community value impacts:

- Public meeting;
- Approval or permits required by other governmental agencies;
- Description of the Study Area;
- Habitable structures within 300 feet of the centerline for a 138kV transmission line;
- Amplitude Modulation (AM), Frequency Modulation (FM), microwave, and other electronic installations in the area; and,
- FAA-registered airstrips, private airstrips, and heliports located in the area.

TRC collected information and evaluated the Study Area for community values that may be of importance to a particular community. Examples of a particular community value would be a park or recreational area, historical and archaeological site, or a scenic vista. CenterPoint Energy mailed consultation letters to local officials to obtain insight into community values from appointed and elected officials and held a public meeting to collect information directly from community members.

2.1.1 Land Use

The population in Montgomery County has increased by 164,697 (36.1 percent) from 2010 to 2020 (Texascounties.net).

The school districts that serve the study area include the Magnolia Independent School District and the Tomball Independent School District. Smith Elementary School is the only school in the study area and is located at 28747 Hardin Store Road in the northern portion of the study area. No Tomball Independent School District schools are located within the study area.

The dominant land uses and land cover in the study area include forested lands (37.6 percent of the study area) and developed lands (25.5 percent of the study area).

Low, medium, and high intensity developed areas were identified in the study area using aerial imagery (2023) and the National Land Cover Database (NLCD, 2019). The NLCD defined four different classifications for development: open space, low intensity, medium intensity, and high intensity, as described below (NLCD, 2019).

- **Developed, Open Space**: Areas with a mixture of some constructed materials, but mostly vegetation in the form of lawn grasses. Impervious surfaces account for less than 20 percent of total cover. These areas most commonly include large-lot single-family housing units, parks, golf courses, and vegetation planted in developed settings for recreation, erosion control, or aesthetic purposes. Developed, Open Space is the most common classification of development within the Study Area consisting of 499.8 acres (11.2 percent) of the Study Area (NLCD, 2019).
- **Developed, Low Intensity**: Areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 20 percent to 49 percent of total cover. These areas most commonly include single-family housing units. Developed, Low Intensity consists of 363.1 acres (8.6 percent) of the Study Area (NLCD, 2019). typically include rural settings with single-family housing units.
- **Developed, Medium Intensity**: Typically include single-family housing units that are grouped in residential subdivisions and may include commercial structures. Areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 50 percent to 79 percent of the total cover. These areas most commonly include single-family housing units. Developed, Medium Intensity consists of 175.2 acres (4.1 percent) of the Study Area (NLCD, 2019).
- **Developed High Intensity**: Highly developed areas where people reside or work in high numbers. Examples include apartment complexes, row houses and commercial/industrial. Impervious surfaces account for 80 percent to 100 percent of the total cover. Developed, High Intensity is the least common classification of development within the Study Area consisting of 39.2 acres (0.9 percent) of the Study Area (NLCD, 2019) include areas where people reside or work in high numbers (i.e., apartment complexes, commercial/industrial parks).

Both aerial imagery and NLCD data show several medium and high intensity developments under construction in the study area. The remainder of the study area consists of pasture/hay agricultural lands (17 percent of the study area), wetlands and open waters (12 percent of the study area), shrubland/herbaceous vegetation (8 percent of the study area), and barren land (0.1 percent of the study Area) (NLCD, 2019).

No mapped state agency lands are in the study area (TGLO, n.d.). Several private land easements will be obtained for the transmission lines on the ROWs.

2.1.1.1 Urban/Residential Areas

Urban/residential area classification represents areas where the natural landscape was altered and developed to provide habitable structures and infrastructure. According to the Texas Public Utility Commission PUC Substantive Rule 25.101(a)(3), habitable structures are defined as "structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis. Habitable structures include but are not limited to single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, and schools."

Habitable structures were identified using recent aerial imagery. Montgomery County has experienced an increase in the number of habitable structures within and surrounding the study area. Specifically, according to Google Earth historic imagery (from 2019 to 2023), three new residential subdivisions have been developed or are under construction in the central portion of the study area. These three new subdivisions are Creekside Court (the eastern subdivision off Carraway Lane), Enclave at Dobbin (in the western subdivision off Carraway Lane), and Mill Creek Trails (the subdivision to the west of South Creek Drive).

2.1.1.2 Planned Land Use

Montgomery County does not have a land use plan or a comprehensive plan. However, the Houston-Galveston Area Council (HGAC) has an online Regional Land Use Information System Mapper that illustrates the results of their model predictions of what the land use in the Houston-Galveston region will be in 2045. The HGAC Regional Land Use Mapper, projects some parcels within the study area will be classified as 'Single-Family 100%' land use by 2045. The current land uses that are predicted to be re-classified as 'Single-Family 100%' by 2045 are currently classified as vacant and agriculture (HGAC, 2023).

2.1.1.3 Agriculture

According to the most recent National Agricultural Statistics Service provided by the United States Department of Agriculture, 1,614 farms are present in Montgomery County, most of which are pastureland (USDA NRCS, 2017). Within the study area, which is largely developed, only 719.6 acres (17 percent) of the land use is classified as agricultural pasture/hay land (NLCD, 2019). No cultivated cropland is identified in the study area.

2.1.1.4 Oil and Gas Facilities

There are several oil and gas facilities present within the study area. Five crude oil pipelines, four of which are operational, are owned by Enterprise Products Partners, LP, BP Pipelines (North America), Inc., Sunoco Pipeline, LP, and Magellan Pipeline Company, LP, pass through the study area in a southwest to northeast direction. Additionally, one natural gas distributional pipeline, one natural gas transmission pipeline, and one refined petroleum pipeline are found within the study area.

2.1.1.5 Transportation/Aviation/Utilities

Texas State Highway 249 is located approximately 1.2 miles west of the study area. The remaining roads in the study area are local roads. A review of the TxDOTs "Project Tracker" database indicated an in-progress roadway project and maintenance activities along FM 2978, the eastern boundary of the Study Area.

Two operational railroads transverse the southwestern portion of the study area. One is owned and operated by BNSF and the other is owned and operated by Union Pacific Railroad Company.

Utilities identified in the study area include two electric transmission lines (138kV and 345kV). Both electric transmission lines are owned by CenterPoint Energy and operated by CenterPoint Energy Houston Electric, LLC. There are no existing electric substations within the study area.

No airports are located within the study area. No private airports are located within 10,000 feet of any primary transmission line route centerline. Based on proposed Project structures and lack of airports, heliports, and airstrips near or within the study area, the Project will not require FAA notification or clearance. However, CenterPoint Energy will confirm this upon decision of a Final Route and final structures to support Project construction.

2.1.1.6 Communication Towers

Seven communication towers were observed in the study area. One FCC-registered tower, operated by T-Mobile (AntennaSearch 2023a), is located on the south side of Hardin Store Road at the intersection of Clint Neidigk Road. Primary transmission line routes in the area have been sited over 100 feet from the tower at this location. Additionally, three communication towers, all licensed by CenterPoint Energy Inc., are located along Hardin Store Road northeast of Segment VV. These three communication towers are all greater than 100 feet away from Segment VV.

Two FCC-registered private communication towers are located along FM 2798, on the eastern border of the study area, each over 2,500 feet away from the nearest primary transmission line route, and operated by Crown Castle and Concentrix, respectively (AntennaSearch 2023b,c).

One communication tower licensed by CenterPoint Energy Inc. is located adjacent to Segment N along Dobbin Huffsmith Road.

2.1.2 Socioeconomics

The Project study area is located north of the City of Tomball, Texas, across the county line in Montgomery County. The area is part of the Houston-The Woodlands-Sugar Land Metropolitan Statistical Area.

2.1.2.1 Population Trends

The current demographic profiles of the communities are presented in **Table 2.1** below. Montgomery County has a population of 648,886 and is predominately white, with 26.4 percent of the population being Hispanic. Population density is high at 622.6 persons per square mile. As shown, Harris County, is marked by very high population density (2,770 persons per square mile) and a Hispanic population of 44 percent, similar to the statewide average.

Table 2.1 Demographics[1]

Population	Montgomery County	Harris County	Texas
2010 Population[2]	455,746	4,092,459	25,145,561
2021 Population	648,886	4,728,030	27,885,195
2021 Population per square mile	622.6	2,769.9	113.1
Median Age	33.9	34.4	35.5
Veterans	5.0%	3.2%	4.8%
Foreign born population	13.3%	26.2%	17.0%
High school graduate or higher	89.6%	81.9%	84.8%
Race and Ethnicity			
White	86.7%	69.0%	77.9%
Black or African American	6.6%	20.3%	13.2%
American Indian/Alaska Native	1.0%	1.1%	1.1%
Asian	3.5%	7.4%	5.5%
Native Hawaiian/Other Pacific Islander	0.1%	0.1%	0.2%
Two or more races	2.1%	2.0%	2.2%
Hispanic or Latino (any race)	26.4%	44.4%	40.2%

[1]Unless otherwise noted, data are from the US Census Bureau's 2017-2021 American Community Survey (ACS) 5-year estimates program.

[2]US Census 2010 decennial census.

The housing stock in Montgomery County is newer, has a higher rate of homeownership, and has a higher median value than that of Harris County and the State of Texas. Each housing market is relatively strong, with vacancy rates below 10 percent. **Table 2.2** summarizes housing in the general Project area.

Table 2.2 Housing

Housing Metric	Montgomery County	Harris County	Texas
Total housing units	251,007	1,885,384	11,869,072
Owner-occupied units, rate	72.7%	54.9%	62.4%
Vacancy rate	9.0%	8.0%	7.5%
Median value of owner-occupied units	$257,700	$201,200	$202,600
Median year house built	2004	1988	1990

Source: US Census Bureau's 2017-2021 American Community Survey (ACS) 5-year estimates program

Montgomery County is in a period of strong population growth. Since 1980, Montgomery County has averaged 4 percent population growth per year, growing more than fivefold from 128,487 residents to 648,886 residents. This growth is similar to the adjacent Harris County in earlier decades.

Montgomery County's 36 percent growth from 2010 to 2020 ranks eighth in Texas and sixteenth in the US.

Harris County is currently the third most populous county in the country and ranks first in Texas in population. While Harris County's rapid growth rate percentagewise has slowed somewhat, the County ranked second in the nation in terms of growth from 2010 to 2020 by adding 620,149 residents.

Texas is the nation's second largest state, both in terms of land area and population. Texas ranked third in population growth rate from 2010 to 2020, growing by 15.6 percent. Population trends for Montgomery County, Harris County, and the State of Texas are summarized in **Table 2.3** for the period from 1980 through 2021.

Table 2.3 Population Trends, 1980 through 2021

Location	1980	1990	2000	2010	2020	2021
Montgomery County	128,487	182,201	293,768	455,746	620,443	648,886
Percentage Change		*41.8%*	*61.2%*	*55.1%*	*36.1%*	*4.6%*
Harris County	2,409,547	2,818,199	3,400,578	4,092,459	4,731,145	4,728,030
Percentage Change		*17.0%*	*20.7%*	*20.3%*	*15.6%*	*-0.1%*
State of Texas	14,229,191	16,986,510	20,851,820	25,145,561	29,145,428	29,588,864
Percentage Change		*19.4%*	*22.8%*	*20.6%*	*15.9%*	*1.5%*

Source: US Census Bureau

2.1.2.2 Leading Economic Sectors

Management, business, science, and arts occupations are most prevalent occupation categories in Montgomery County, Harris County, and the State of Texas, followed by sales and office occupations. Educational services and healthcare and social assistance represent the primary industries for all three levels of geography. **Table 2.4** and **Table 2.5** provide details on the occupations and industries in Montgomery and Harris counties and the State of Texas.

Table 2.4 Occupation

Occupation	Montgomery County	Harris County	Texas
Management, business, science, and arts occupations	44.3%	37.8%	40.1%
Service occupations	12.9%	17.1%	16.2%
Sales and office occupations	20.7%	19.8%	20.6%
Natural resources, construction, and maintenance occupations	10.1%	11.5%	10.2%
Production, transportation, and material moving occupations	12.0%	13.8%	12.9%

Source: Census Bureau's 2017-2021 American Community Survey (ACS) 5-year estimates program. Table S2401

Table 2.5 Industry

Occupation	Montgomery County	Harris County	Texas
Agriculture, forestry, fishing and hunting, and mining	3.9%	2.4%	2.2%
Construction	8.9%	10.6%	8.5%
Manufacturing	10.0%	9.5%	8.7%
Wholesale trade	2.9%	3.0%	2.5%
Retail trade	11.2%	10.6%	11.2%
Transportation and warehousing, and utilities	7.1%	6.6%	6.6%
Information	1.7%	1.1%	1.6%
Finance and insurance, and real estate and rental and leasing	7.0%	6.1%	7.1%
Professional, scientific, and management, and administrative and waste management services	13.0%	13.9%	12.5%
Educational services, and health care and social assistance	18.7%	20.1%	21.8%
Arts, entertainment, and recreation, and accommodation and food services	7.8%	7.9%	8.3%
Other services, except public administration	4.8%	5.3%	4.9%
Public administration	2.9%	2.9%	4.3%

Source: Census Bureau's 2017-2021 American Community Survey (ACS) 5-year estimates program. Table S2405.

Montgomery County residents have a median income of $88,597, with 10.5 percent of individuals below the federal poverty level. Residents of Montgomery County and the entire State of Texas had an unemployment rate of 3.8 percent in October 2022, lower than Harris County's rate of 4.1 percent. **Table 2.6** summarizes the income and labor force characteristics of Montgomery and Harris counties and the State of Texas.

Table 2.6 Income and Labor Force

Metric	Montgomery County	Harris County	Texas
Median household income (2021$)[1]	$88,597	$65,788	$67,321
Individuals below poverty level[1]	10.5%	16.4%	14.2%
Labor Force, October 2022[2]	304,317	2,360,435	14,630,713
Employment, October 2022[2]	292,866	2,263,558	14,081,149
Unemployment Rate, October 2022[2]	3.8%	4.1%	3.8%

[1] US Census Bureau's 2017-2021 American Community Survey (ACS) 5-year estimates program.

[2]US Bureau of Labor Statistics, 2023. Note that statistics are not available for at the block group level.

2.2 RECREATIONAL AND PARK AREAS

No designated recreational facilities are mapped within the study area. Recreational activities may occur on private properties within the study area, but these properties are not open to the public.

2.2.1 National/State/County/Local Parks

Federal, state, and local databases and local maps were reviewed to identify any recreational or park areas within the Study Area. No state or national parks, national trails, county or local parks are located within the study area. The closest park is the May Valley Park & Sprayground in The Woodlands, located approximately 0.3 miles northeast of the study area. Several county and local parks are located near the city centers of Magnolia, Tomball, and The Woodlands.

2.2.2 Wildlife Viewing Trails

No wildlife viewing trails are located within the study area. The closest wildlife viewing trail is the Spring Creek Nature Trail in Tomball, which is located approximately 1.7 miles east of the study area.

2.3 HISTORICAL AND AESTHETIC VALUES

Section 37.056(c)(4)(A-D) of PURA incorporates historical and aesthetic values as a consideration when evaluating proposed electric transmission facilities. The THC and Texas Archaeological Laboratory maintain the THC Texas Archaeological and Historic Sites Atlas, a database of known cultural resources (Archaeological, architectural, and cemeteries), as well as previous investigations.

2.3.1 Cultural Background

As shown on **Figure 2-1**, Montgomery County is in the Southeastern Planning Archaeological Region as delineated by the THC. The Study Area is in the Interior Coastal Plains region of the Gulf Coastal Plains physiographic province, **Figure 2-2**, characterized by alternating sands and shales that manifest as long ridges (Blair 1950). The county also falls within both the Blackland Prairie and Piney Woods biotic regions. Vegetation includes various pine species and hardwood species with intermittent occurrences of chaparral brush and grasses particularly moving toward Central Texas (Blair 1950; Griffith et al. 2007). There have been 383 previous cultural resource investigations, 373 previously recorded archaeological sites, and 81 previously recorded historic resources documented.

Figure 2.1 Southeast Texas Archaeological Region

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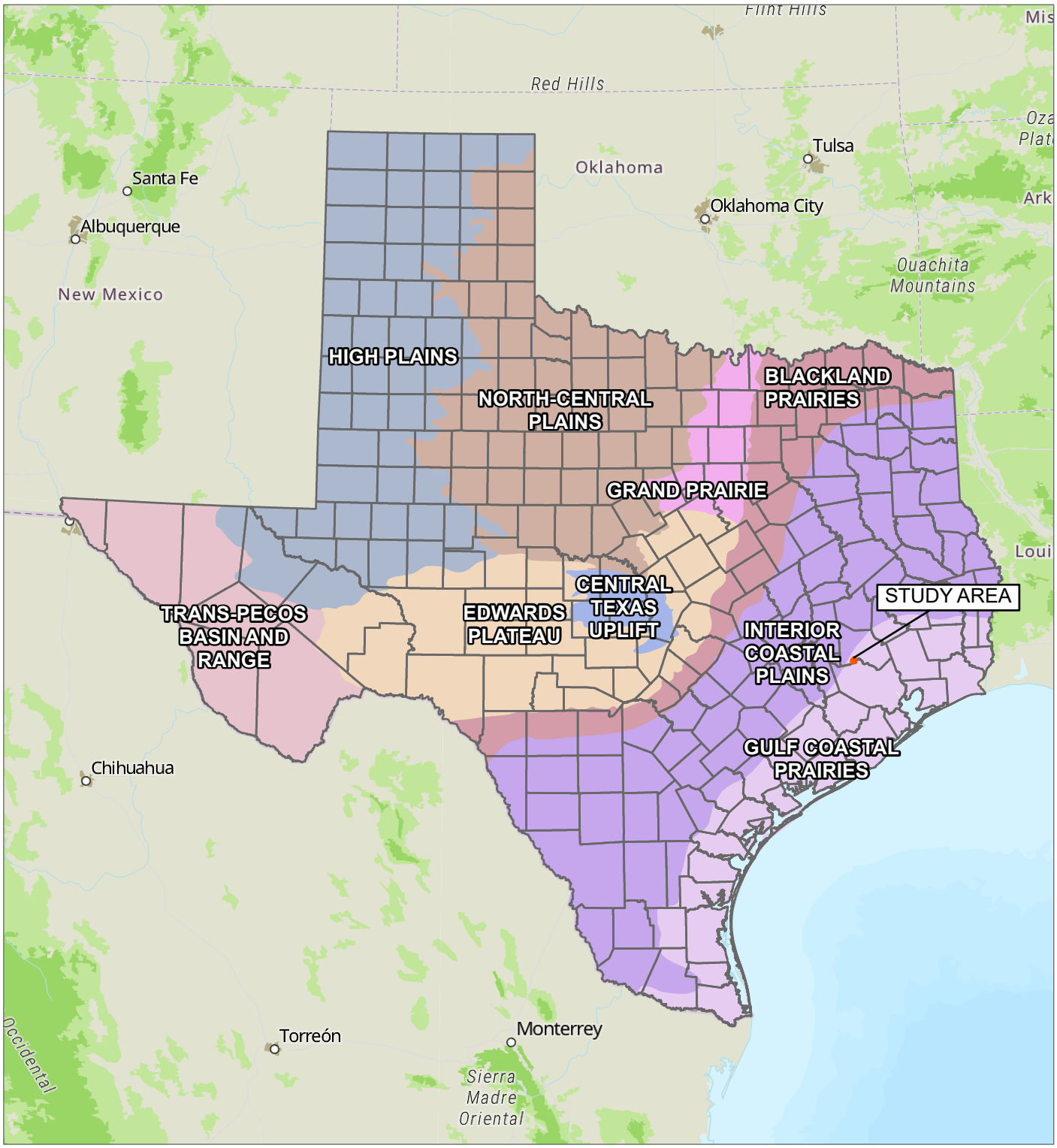

- STUDY AREA
- COUNTIES
- BLACKLAND PRAIRIES
- CENTRAL TEXAS UPLIFT
- EDWARDS PLATEAU
- GRAND PRAIRIE
- GULF COASTAL PRAIRIES
- HIGH PLAINS
- INTERIOR COASTAL PLAINS
- NORTH-CENTRAL PLAINS
- TRANS-PECOS BASIN AND RANGE

BASE MAP: ESRI "WORLD TOPOGRAPHIC MAP"
DATA SOURCES: TRC, ESRI

0 20 40 60 80 100 120 MILES

1:7,500,000 1" = 625,000'

PROJECT: CENTER POINT ENERGY INC
MILL CREEK PHASE 3

TITLE: LOCATION OF THE STUDY AREA IN RELATIONSHIP TO THE PHYSIOGRAPHIC REGIONS OF TEXAS

DRAWN BY:	H. BEST	PROJ. NO.:	507707
CHECKED BY:	R. SPRING		
APPROVED BY:	D. SWEENEY		
DATE:	MAY 2023		

FIGURE 2.2

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_EA_MAPPING

COORDINATE SYSTEM: NAD 1983 TEXAS STATEWIDE MAPPING SYSTEM; MAP ROTATION: 0
-- SAVED BY: JRYOUNG ON 5/30/2023, 15:58:54 PM; FILE PATH: T:\ARCGISPRO\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_EA_MAPPING.APRX; LAYOUT NAME: FIG 1 PHYSIOGRAPHIC MAP 8X11P

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in Montgomery County including State Antiquities Landmarks (SALs), properties listed or eligible for listing on the NRHP, and historical markers.

2.3.1.1 Prehistoric

2.3.1.1.1 Paleoindian Period (ca. 12,000 to 7000 B.P.)

Human occupation in North America is definitively established by at least 12,000 years before present (B.P.) (Bement and Carter 2010; Dincauze 1984; Haynes et al. 1984; Kelly and Todd 1988; Lynch 1990; Meltzer 1989; Stanford and Bradley 2012). Considerable evidence is mounting for human occupation before 12,000 B.P. (pre-Clovis populations) across North and South America (Stanford and Bradley 2012). Discoveries at Monte Verde in Chile provide evidence for human occupation in South America by at least 12,500 years ago (Dillehay 1989, 1997; Meltzer et al. 1997). Many archeologists still discount claims of much earlier human occupation during the Pleistocene glacial period (cf. Butzer 1988). More recent discoveries at the Gault site in Central Texas have yielded pre-Clovis artifacts in good context below the Clovis component (Stanford and Bradley 2012). Although the evidence for pre-Clovis may be sparse in general and not accepted by all researchers at present, compelling evidence exists for pre-Clovis cultures in North and South America.

The earliest generalized evidence for human activities in Southeast Texas is represented by the Paleoindian period (12,000 to 7,000 B.P. [Patterson 1995]). This stage coincided with ameliorating climatic conditions following the close of the Pleistocene epoch that witnessed the extinction of herds of mammoth, horse, camel, and bison. Cultures representing various periods within this stage are characterized by a series of distinctive, relatively large, often fluted, lanceolate projectile points. These points are frequently associated with spurred end scrapers, gravers, and bone foreshafts.

Paleoindian groups are often inferred to have been organized into egalitarian bands consisting of a few dozen individuals that practiced a fully nomadic subsistence and settlement pattern. Due to poor preservation of floral materials, subsistence patterns in Southeast Texas are known primarily through the study of faunal remains. Subsistence focused on the exploitation of plants, small animals, fish, and shellfish. There is little evidence in this region for hunting of extinct megafauna, as has been documented elsewhere in North America.

In southeast Texas, the Paleoindian stage is divided into two periods based on recognizable differences in projectile point styles (Patterson 1995). These include the Early Paleoindian period (12,000 to 10,000 B.P.), which is recognized based on large, fluted projectile points (i.e., Clovis and Folsom), and the Late Paleoindian period (10,000 to 7,000 B.P.), which is characterized by unfluted lanceolate points (i.e., Plainview, Scottsbluff, Meserve, and Angostura).

2.3.1.1.2 Archaic Period (ca. 7000 to 1900 B.P.)

The onset of the Hypsithermal drying trend marks the beginning of the Archaic period (7,000 to 1900 B.P. [Patterson 1995]). This climatic trend marked the beginning of a significant reorientation of lifestyle throughout most of North America, though this change was far less pronounced in Southeast Texas. Elsewhere, the changing climatic conditions and corresponding decrease in the big game populations forced people to rely more heavily on a diversified resource base composed of smaller game and wild plants. In Southeast Texas, however, this hunting and gathering pattern is characteristic of most of prehistory. The appearance of a more diversified tool kit, the development

of an expanded groundstone assemblage, and a general decrease in the size of projectile points are hallmarks of this cultural stage. Material culture shows greater diversity during this cultural period, especially in the application of groundstone technology.

Traditionally, the Archaic period is subdivided into Early, Middle, and Late subperiods. In Southeast Texas, the Early Archaic period (7,000 to 5,000 B.P.) is marked by the presence of Bell, Carrollton, Morrill, Trinity, Wells, and miscellaneous Early Stemmed projectile points (Patterson 1995). The Bell point is the only type in this period that is closely associated with the Southern Plains though it does range into several other areas of Texas (Calame 2002). Many of the latter point types continue into the Middle Archaic period (5,000 to 3,500 B.P.) and several new types appear, including Bulverde, Lange, Pedernales, Williams, Travis, and probably the Gary-Kent series. The Late Archaic period (3500 to 1900 B.P is characterized by Gary, Kent, Darl, Yarbrough, Ensor, Ellis, Fairland, Palmillas, and Marcos points.

In the western part of inland Southeast Texas, a Late Archaic mortuary tradition developed in the lower Brazos and Colorado river valleys and in the intervening area (Hall 1981; Patterson 1995). Organized burial practices began during the Middle Archaic period but reached full development in the Late Archaic with the use of exotic grave goods such as boatstones and bannerstones, stone gorgets, corner-tang knives, stingray spines, shark teeth, and marine shell beads and pendants. Other burial practices included the systematic orientation of burial direction, body position, use of red ochre, and use of locally made grave goods, such as long bone implements and bone pins. Most burials are found in extended supine position, though some extended prone and bundle burials are also known. Burial direction is usually consistent within single sites but varies from site to site. Patterson et al. (1993) report that at least 11 sites are associated with this mortuary tradition in Austin, Fort Bend, and Wharton counties.

2.3.1.1.3 Early Ceramic Period (1900 to 1400 B.P.)

The use of pottery did not start uniformly throughout Southeast Texas. Pottery manufacture appears to have diffused into this region from adjacent regions, primarily from the east along the coastal margin. Aten (1983:297) argues that pottery was being manufactured on the coastal margin of the Texas-Louisiana border by about 2030 B.P., in the Galveston Bay area by about 1900 B.P., in the western part of the coastal margin by about 1700 B.P., and in the Conroe-Livingston inland area by about 1500 B.P. The practice of pottery manufacture appears to have progressed first along the coastal margin and then moved inland (Patterson 1995). Southeastern Texas ceramic chronologies are best known in the Galveston Bay area, where Aten (1983) established a detailed chronological sequence.

The earliest ceramic periods in the Galveston Bay and neighboring Sabine Lake areas appear at roughly the same time of the earliest ceramic periods of the lower Mississippi Valley (Aten 1984). Early assemblages contain substantial quantities of Tchefuncte ceramics. In the Sabine Lake region, grog-tempered varieties of Baytown Plain and Marksville Stamped are common, while grog-tempered ceramics do not occur in the Galveston Bay area until several hundred years later. With the principal exception of a few Tchefuncte ceramic types, other southern Louisiana ceramics are not found on the Gulf coast west of the Sabine Lake area.

Goose Creek sandy-paste pottery was used throughout southeast Texas and somewhat farther north in the Early Ceramic, Late Prehistoric, and the early part of the Historic periods (Aten 1984; Patterson

1995; Pertulla et al. 1995, Pertulla 2005). The Goose Creek series is the primary utility ware throughout the prehistoric sequence in Southeast Texas, though it gives way to Baytown Plain for about 200 years during the transition between the Late Prehistoric and Historic periods before once again becoming predominant into the Historic period (Aten 1984). Goose Creek Stamped, occurs only in the Early Ceramic period (Aten 1983). Three other minor pottery types—Tchefuncte (Plain and Stamped), Mandeville, and O'Neal Plain (Aten 1983)—were used only during the Early Ceramic period. The Mandeville and Tchefuncte types are characterized by contorted paste and poor coil wedging. Mandeville has sandy paste (like Goose Creek), while Tchefuncte paste has relatively little sand. Given their technological similarities, Mandeville and Tchefuncte may represent different clay sources rather than distinct pottery types (Patterson 1995). The bone-tempered pottery that characterizes ceramic assemblages elsewhere in Texas is not common in Southeast Texas.

2.3.1.1.4 Late Prehistoric Period (ca. 1400 to 500 B.P.)

The onset of the Late Prehistoric period (1400 to 500 B.P. [Patterson 1995]) is defined by the appearance of the bow and arrow. Elsewhere in Texas, pottery also appears during the Late Prehistoric period, but as already discussed, ceramics appear earlier in Southeast Texas. Along the coastal margin of Southeast Texas, use of the atlatl and spear was phased out during the Late Prehistoric period, though they continued to be used in the inland subregion along with the bow and arrow through the Late Prehistoric period (Keller and Weir 1979; Ensor and Carlson 1991; Patterson 1980, 1995; Wheat 1972). In fact, Patterson (1995:254) proposes that use of the bow and arrow started in Southeast Texas as early as the end of the Middle Archaic period, using unifacial arrow points that consisted of marginally retouched flakes. In contrast, Prewitt (1981) argues for a generalized date of adoption of the bow-and-arrow hunting system at about the same time (ca. 1400 B.P.) in Central and Southeast Texas. In Southeast Texas, unifacial arrow points appear to be associated with a small prismatic blade technology. Bifacial arrow point types include Alba, Catahoula, Perdiz, and Scallorn.

Grog-tempered pottery (i.e., crushed fired pottery as temper) was used in the Late Prehistoric and Protohistoric periods in Southeast Texas. The grog-tempered varieties include San Jacinto Plain and Baytown Plain. San Jacinto pottery contains a relatively small proportion of small-sized temper, while Baytown Plain has larger amounts of sherd pieces that are often visible on vessel surfaces. Goose Creek pottery remained in use through the Late Prehistoric period. Rockport Plain and Asphalt Coated pottery from the Central Texas Coast (Ricklis 1995) are found at a few sites in Southeast Texas during the Late Prehistoric and Protohistoric periods.

2.3.1.2 Protohistoric and Historic Period (ca. 500 B.P. to 300 B.P. and 300 B.P. to 50 B.P.)

For the most part, Protohistoric and early Historic Indian sites in Southeast Texas have not been articulated with the ethnographic record (Story 1990:258). Similarly, reconciling the ethnographic record to prehistoric Indian groups in this region is problematic. Late Prehistoric and historic population movements further complicate this issue. Aten (1983) has reconstructed the territories of native groups present in this region in the early eighteenth century, including the Akokisa, Atakapa, Bidai, Karankawa, Coco, and Tonkawa. The presence of the Tonkawa in Southeast Texas may be due to their rapid expansion from central Texas in the seventeenth and eighteenth centuries

(Newcomb 1993:27). The Karankawa Indians are thought to have occupied the coastal margin of this region as far east as Galveston Island and the corresponding mainland (Aten 1983). Judging by the scarcity of Rockport pottery on sites east of the San Bernard River, the ethnic association of the Karankawa Indians with the Coco tribe may be in doubt.

Protohistoric and Historic Indian sites may not be systematically recognized as such because few aboriginal artifact types changed from the Late Prehistoric to the Historic period (Patterson 1993; 1995). Only a few non-European artifact types are useful in identifying Historic Indian sites, including Bulbar Stemmed and Guerrero arrow points and possibly Fresno and Cuney points after 500 B.P. (Hudgins 1986). Historic period Indian sites are usually identified by the presence of glass and metal artifacts, gunflints, and European types of pottery.

The first European incursion into what is now known as Texas was in 1519, when Álvarez de Pineda explored the northern shores of the Gulf of Mexico. In 1528, Cabeza de Vaca crossed South Texas after being shipwrecked along the Texas Coast near Galveston Bay. However, European settlement did not seriously disrupt native ways of life until after 1700. The first half of the eighteenth century was the period in which the fur trade and mission system, as well as the first effects of epidemic diseases, began to seriously disrupt the native culture and social systems. This process is clearly discernable at the Mitchell Ridge site, where the burial data suggest population declines and group mergers (Ricklis 1994), as well as increased participation on the part of the Native American population in the fur trade. By the time that heavy settlement of Texas began in the early 1800s by Anglo-Americans, the Indigenous Indian population was greatly diminished. The Alabama/Coushatta Indians who currently reside in southeast Texas are migrants who were displaced from the east in the late eighteenth to early nineteenth centuries (Newcomb 1961).

Before the Texas Revolution, in 1835, William W. Shepperd established the first trading post in the Lake Creek Settlement in what would become Montgomery County. Two years later, Shepperd and his business associate John Moody founded the town of Montgomery, with Montgomery County being established shortly after in the same year. The original borders of Montgomery County stretched from the Brazos River to the west to the Trinity River on the east. Montgomery County aligned with other counties in the region in siding with the Confederacy during the Civil War. Approximately 80 percent of voters voted for succession, and large numbers of men from the county volunteered for service. Most of these volunteers saw combat, and three-fourths of these volunteers were injured or killed during the war.

The loss of the Civil War caused the white populations within Montgomery County to suffer heavy economic losses, as almost half of all taxable property in the county had been slaves. The county's economy began to recover with the expansion of railroads in the 1870s and 1880s. The railroads brought a boom in lumber. By 1882, 45 sawmills were in operation, and new communities developed around this new industry. The county was heavily deforested over the next few decades, creating an environment for livestock grazing and agriculture. Despite this, lumber remained the primary industry until the Great Depression. Oil was discovered in 1932 after George William Strake began drilling near Conroe, Texas, starting a massive oil boom lasting well into the 1940s. The outbreak of World War Two saw an increased need for oil, and Montgomery County saw immense economic benefit. Though oil had become the main industry for the county, cattle and horse ranching had begun to

take hold, and deforested areas had been regrown. Lumbering again became a major industry in the county (Long 2022).

2.3.2 Previous Investigations

TRC archeologists conducted a desktop literature and archives review for the proposed Project to assess whether previously recorded cultural resources are within or adjacent to the Project or within one kilometer (0.62 miles) of the Project. This included a review of the THC's Archaeological and Historic Sites Atlas (THC-Atlas) which provides information related to the location of previously conducted Archaeological surveys, recorded Archaeological sites, cemeteries, properties currently listed or eligible for listing on the NRHP, Recorded Texas Historic Landmarks, and SALs that may be impacted by the proposed Project. The results of the file search are summarized below.

2.3.3 Records Reviews and Recorded Sites

According to the THC-Atlas, 13 previous Archaeological surveys were conducted within one kilometer of the study area, and four surveys were performed within or directly adjacent to the study area (**Table 2.7**). Fourteen previously recorded Archaeological sites are located one kilometer of the study area; five of these sites are within or directly adjacent to the study area and have not been assessed for listing on the NRHP or for designation as a SAL (**Table 2.8**). A total of five cemeteries are located within or within one kilometer of the study area. Three of these cemeteries are within the study area (**Table 2.9**) (THC 2023).

Table 2.7 Previously Conducted Archaeological Surveys Within the Study Area and Within One Kilometer of the Study Area

Archaeological Survey Atlas No.	Location Relative to Study Area	Archaeological Survey Description	TAC Permit No
8500081211	East of study area, within one kilometer	Survey conducted in 2016 by Deep East Texas Archaeological Consultants of the Spring Creek Hike/Bike Trail	7599
8500025273	Directly adjacent to east side of study area	Road expansion survey conducted in 2012 by HRA Gray & Pape on behalf of TxDOT	6053
8500053862	Directly adjacent to east side of study area	Road expansion survey conducted in 2012 by HRA Gray & Pape on behalf of TxDOT	6053
8500012996	East of study area, within one kilometer	Survey conducted in 2003 by Horizon Environmental Services on behalf of the Army Corps of Engineers	3055
8500013522	East of study area, within one kilometer	Survey conducted in 2003 by Horizon Environmental Services on behalf of the Army Corps of Engineers	3055
8500081083	East of study area, within one kilometer	Survey conducted in 2016 by Horizon Environmental Services on behalf of the Montgomery County Municipal Utility District	N/A
8500081084	360-meter east of study area	Survey conducted in 2017 by Horizon Environmental Services on behalf of the Montgomery County Municipal Utility District	Per Atlas, permit number not assigned.

Table 2.7 Previously Conducted Archaeological Surveys Within the Study Area and Within One Kilometer of the Study Area

Archaeological Survey Atlas No.	Location Relative to Study Area	Archaeological Survey Description	TAC Permit No
8500081082	200 meter east of study area	Area survey conducted in 2018 by Horizon Environmental Services on behalf of the Montgomery County Municipal Utility District	8261
8500060984	Directly east of the study area	Survey conducted in 2014 by Horizon Environmental Services on behalf of TxDOT	6973
8500051809	East of study area, within one kilometer	Survey conducted in 2013 by HRA Gray & Pape on behalf of the Army Corps of Engineers; site 41HR981 was recorded during this survey.	N/A; work performed under Section 106
8500080659	Below southeast corner of study area	Road expansion survey conducted in 2017 by SWCA on behalf of TxDOT	7965
8500057789	Within the study area	Survey of USACE jurisdictional areas conducted in 2014 by Horizon Environmental Services on behalf of the USACE; Site 41MQ308 was recorded during the investigation.	N/A; work performed under Section 106
8500042961	Intersects with northwest border of study area	Survey of USACE jurisdictional areas conducted in 2013 by Horizon Environmental Services on behalf of the USACE	6480

Table 2.8 Previously Recorded Archaeological Sites Within the Study Area and Within One kilometer of the Study Area

Resource Type	Name	Within the Study Area	Comments	NRHP Eligibility
Prehistoric Site	41MQ186	No	Prehistoric camp or village site on top of hill	Undetermined
Historic Site	41MQ301	No	Historic farmstead	Not Eligible
Historic Site	41MQ302	No	Historic farmstead	Undetermined
Prehistoric Site	41HR1140	No	Lithic scatter containing multiple projectile points	No Atlas Information Available
Historic Site	41HR1139	No	Historic farmstead containing 59 glass fragments	Not Eligible
Prehistoric Site	41HR981	Directly adjacent to the study area	Lithic scatter comprising debitage and one biface fragment	No Atlas Information Available/ Undetermined Eligibility
Prehistoric Site	41MQ44	Within the study area	Lithic scatter, potentially associated with site 41MQ48	Undetermined
Prehistoric Site	41MQ48	Within the study area	Prehistoric ceramics and debitage present, potentially associated with site 41MQ44	Undetermined
Prehistoric Site	41MQ308	Within the study area	Low density lithic scatter	Undetermined
Unknown	41MQ61	Within the study area	N/A	No Atlas Information Available/ Undetermined Eligibility
Prehistoric Site	41MQ341	No	Lithic scatter containing debitage, one Perdiz projectile point, and one ceramic sherd	Not Eligible
Prehistoric Site	41MQ342	No	Lithic scatter	Not Eligible
Prehistoric Site	41MQ343	No	Lithic scatter	Not Eligible
Prehistoric Site	41MQ344	No	Lithic scatter containing debitage and one Perdiz projectile point	Not Eligible

The Oklahoma Cemetery, Pate Cemetery, John English Cemetery are within the study area. The Bogs-Hufsmith Cemetery and Martens Cemetery are within one kilometer of the study area. Avoidance is recommended for cemeteries within the study area, and no impact to Bogs-Hufsmith Cemetery and Martens Cemetery is anticipated given they are located within one kilometer of the study area (**Table 2.9**) (THC-Atlas 2023, findagrave.com 2023).

Table 2.9 Cemeteries Within the Study Area and Within One Kilometer of the Study Area

	Cemetery Name	Within the Study Area	Comments
1	Oklahoma Cemetery	Within the study area	Cemetery ID (THC Atlas): MQ-C002, Age: 1894–present, 409 memorials (findagrave.com)
2	Pate Cemetery	Within the study area	Cemetery ID (THC Atlas): MQ-C032, Age: 1902–present, 165 memorials (findagrave.com)
3	John English Cemetery	Within the study area	Cemetery ID (THC Atlas): MQ-C074, Age: 1910–present, 171 memorials (findagrave.com)
4	Bogs-Hufsmith Cemetery	Within one kilometer of the study area	Cemetery ID (THC Atlas): HR-C043, Age: 1911–present, 229 memorials (findagrave.com)
5	Martens Cemetery	Within one kilometer of the study area	Cemetery ID (THC Atlas): HR-C015, Age: 1893–present, 36 memorials (findagrave.com)

The results of the desktop review revealed no previously recorded NRHP properties or SALs present within the study area; however, five Archaeological sites have not been assessed for NRHP eligibility or SAL designation (see **Table 2.8**). Moreover, the bulk of the study area has not been previously surveyed for cultural resources. Avoidance is recommended for the Oklahoma Cemetery, Pate Cemetery, and John English Cemetery located within study area (THC 2023).

Although the geology and soils data do not indicate a high potential for deeply buried sites with integrity, and deep impacts are anticipated to be localized to transmission line pole locations, the number of historic structures and previously recorded sites in the area suggest a reasonable likelihood of shallowly buried and surficial Archaeological sites.

2.3.4 Aesthetic Values

Aesthetics is included as a factor for consideration in the evaluation of transmission facilities in PURA § 37.056(c)(4). The term aesthetics refers to the subjective perception of natural beauty in the landscape, and this section of the document attempts to define and measure the study area's scenic qualities. Consideration of the visual environment includes a determination of aesthetic values where the major potential effect of the Project on the resource is considered aesthetic or where the location of a transmission line could affect the scenic enjoyment of a recreation area.

The aesthetic analysis considers potential visual impacts to the public. Areas visible from major roads and highways, or publicly owned or accessible lands (e.g., parks or privately-owned recreation areas open to the public) were analyzed. Several factors are taken into consideration when attempting to define the potential impact to a scenic resource that would result from the construction of the proposed transmission line. Among these are:

- Topographical variation (hills, valleys, etc.)
- Prominence of water in the landscape
- Vegetation variety (forests, pasture, etc.)
- Diversity of scenic elements

- Degree of human development or alteration
- Overall uniqueness of the scenic environment compared to the larger region.

The THC operates the Texas Heritage Trails Program, a statewide heritage tourism program based on 10 scenic driving trails originally created by TxDOT. This program operates throughout 10 regions of Texas and enables people to learn about, and be surrounded by, local customs, traditions, history, and culture of the different regions. The study area is located within the Plains Trail Region, which contains 52 counties and covers approximately 50,000 square miles consisting of short grass prairie and canyon vistas. There are 106 historical sites in Montgomery County, of which 11 have historical markers. Eight of the markers are within or near Childress, Texas. None of the markers are located within the study area (THC 2023).

2.4 ENVIRONMENTAL INTEGRITY

Readily available online resources including but not limited to databases, online maps, literature, and aerial photographs were reviewed to collect information on physiography, geology, soils, surface waters, wetlands, and ecological resources which may occur within the study area. When applicable each resource was mapped within the study area using GIS.

2.4.1 Physiography and Geology

Montgomery County, Texas is split between the Interior Coastal Plains and Gulf Coastal Prairies physiographic province however, the study area is located within the Gulf Coastal Plains physiographic province of the Atlantic Plain Region. The Gulf Coastal Prairies province is characterized by grasslands over gentle hills with silt, sand, clay, and saline soils and extends inland from the Texas Gulf Coast (**Figure 2.3**). Trees are historically uncommon throughout the region except along streams and depressional areas. (BEG 1996).

2.4.1.1 Geological Formations

The geological units within the study area include the following.

- Willis Formation (Pow), formed during the Pliocene Epoch, covers 11% of the surface area, and is comprised of clay, silt, sand, gravel, and some petrified wood. The formation is noncalcareous, deeply weathered, and cemented by iron oxide in localized zones. Alluvial silt and clay are intermixed and interbedded.
- Lissie Formation (Ql), formed during the Quaternary Period and Middle Pleistocene Epoch covers 87% of the surface area. Lissie Formation deposits comprise sandy, silt, clay, and Small amounts of gravel with iron oxide and iron-manganese nodules in zones of weathering. The surface is fairly flat and featureless with the exception of pimple mounds and some shallow depressions.
- Alluvium (Qal) formed during the Holocene Epoch is characterized by sand, silt, clay, and gravel and is generally located in terrace deposits along streams. Qal covers 2% of the surface area.

2.4.1.2 Geological Hazards

Several geologic hazards potentially affecting construction and operation of the transmission line

were reviewed within the Study Area. Potential geological hazards reviewed include karst topography. A review of United States Geological Survey (USGS) maps and database did not indicate any karst geology within the Study Area.

2.4.2 Soils

The study area occurs within southcentral Montgomery County. The U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey application (USDA – NRCS, 2022), was referenced for the following descriptions of the general soil map units within the study area (**Table 2.10**).

2.4.2.1 Mapped Soil Units

The soil resources within the study area are within the Western Coastal Plain and Flatwoods and soils formed on nearly level to steep, coastal-plain uplands that are intricately dissected by streams (USDA NRCS, 2008). Parent materials are alluvial and marine sediments of Tertiary age. More specifically the study area is within the Woodtell-Pinetucky-Conroe soil association in Montgomery County, Texas which are highly weathered and acidic, and support pine-hardwood vegetation characterized by loblolly pine. Woodtell and Pinetucky are deep soils that occur on interstream divides and low ridges. Conroe soils have sandy surface layers more than 20 inches thick. The following table depicts specific soil map units located within the study area.

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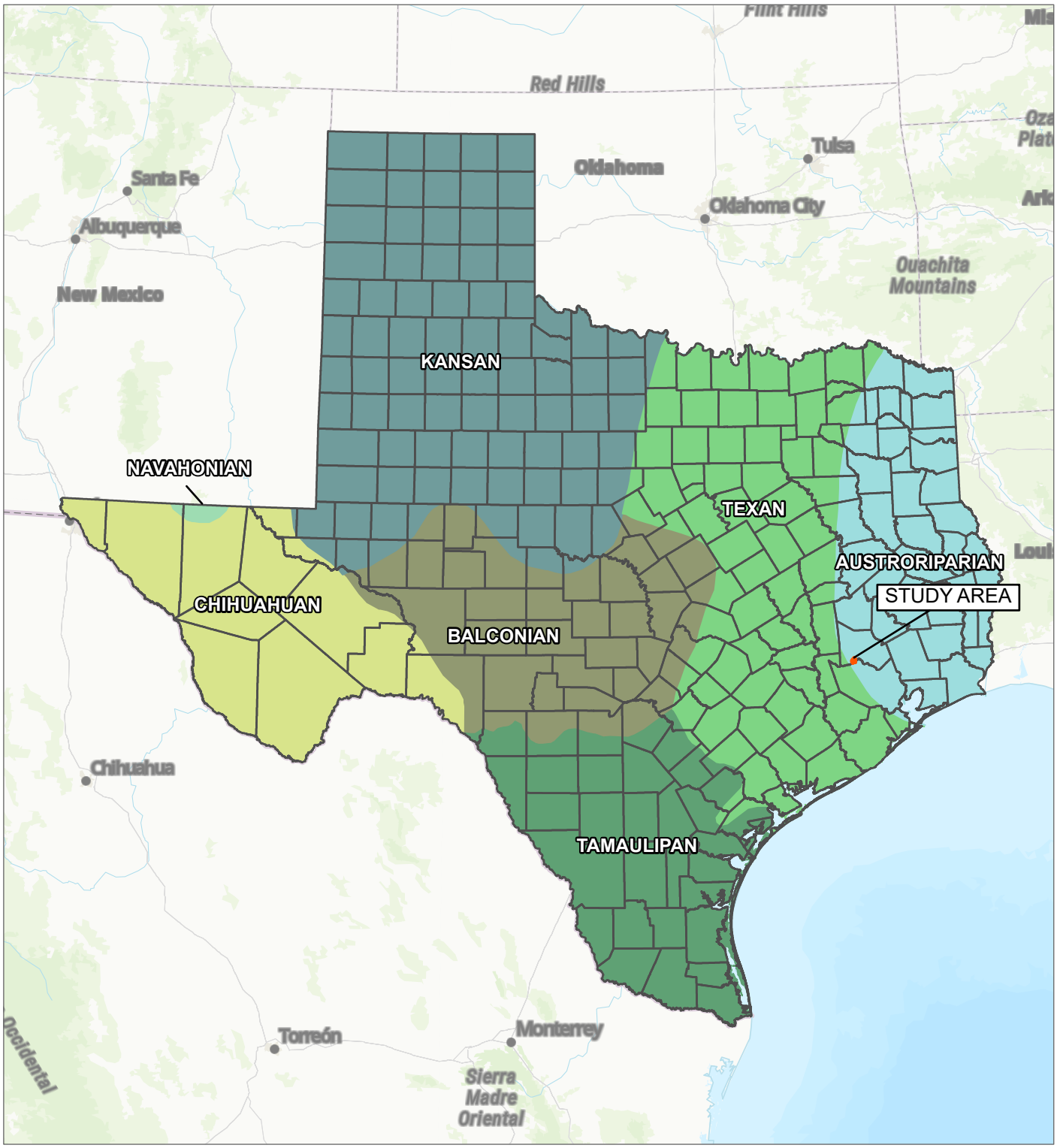

STUDY AREA
COUNTIES
TEXAN
AUSTRORIPARIAN
BALCONIAN
CHIHUAHUAN
KANSAN
NAVAHONIAN
TAMAULIPAN

BASE MAP: ESRI "WORLD TOPOGRAPHIC MAP"
DATA SOURCES: TRC, ESRI

0 20 40 60 80 100 120 MILES

1:7,500,000 1" = 625,000'

PROJECT: CENTER POINT ENERGY INC
MILL CREEK PHASE 3

TITLE: LOCATION OF THE STUDY AREA IN RELATIONSHIP TO THE BIOTIC PROVINCES OF TEXAS

DRAWN BY:	H. BEST	PROJ. NO.:	507707
CHECKED BY:	R. SPRING		
APPROVED BY:	D. SWEENEY		
DATE:	JANUARY 2023		

FIGURE 2.3

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_HALEY_B

COORDINATE SYSTEM: NAD 1983 TEXAS STATEWIDE MAPPING SYSTEM: MAP ROTATION: 0
-- SAVED BY: HBEST ON 1/24/2023, 14:33:34 PM: FILE PATH: T:\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_HALEY_B.APRX: LAYOUT NAME: BIOTIC

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Table 2.10 Mapped Soil Unit Types Within the Study Area

Soil Map Unit	Soil Map Type	Description	Percentage of Study Area	Hydric Soil	Prime Farmland
Landman fine sand	Ab	Moderately well drained and moderately permeable soils	3.3	N	Y
Bibb soils, frequently flooded	Bb	Poorly drained and moderately high to high permeable soils	1.6	Y	N
Bissonnet loam, 0 to 1 percent slopes	BisA	Poorly drained and moderately low to high permeable soils	1.0	Y	N
Boy loamy fine sand, 1 to 5 percent slopes	BoyC	Moderately well drained and very low to moderately low permeable soils	39.5	N	N
Conroe loamy fine sand, 0 to 5 percent slopes	CoC	Moderately well drained and moderately low to moderately high permeable soils	6.7	N	N
Betis loamy fine sand	Eu	Somewhat excessively drained and high to very high permeable soils	2.9	N	N
Lilbert loamy fine sand	Fs	Well drained and moderately high permeable soils	14.3	N	N
Lilbert loamy fine sand, terrace	Ft	Well drained and high permeable soils	0.8	N	N
Hatliff-Pluck-Kian complex, 0 to 1 percent slopes, frequently flooded	HatA	Well drained and high permeable soils	5.6	N	N
Lelavale silt loam, 0 to 1 percent slopes, frequently ponded	LelA	Very poorly drained and very low to moderately high permeable soils	0.7	Y	N
Briley loamy fine sand	Lu	Well drained and high to very high permeable soils	0.9	N	Y
Sorter silt loam, 0 to 1 percent slopes	SolA	Poorly drained and very low to moderately low permeable soils	5.6	Y	N
Splendora fine sandy loam, 0 to 2 percent slopes	SplB	Somewhat poorly drained and very low to moderately low permeable soils	4.0	N	N
Water	W	N/A	1.8	N/A	N/A
Waller silt loam, 0 to 1 percent slopes	WalA	Poorly drained and very low to moderately low permeable soils	2.5	N	Y
Fetzer loamy fine sand, 1 to 5 percent slopes	Wkc	Somewhat poorly drained and moderately low to moderately high permeable soils	8.8	N	N

2.4.2.2 Hydric Soils

According to the NRCS Web Soil Survey (NRCS, 2022a), Bb, BisA, LelA, and SolA soils, which account for approximately 8.9 percent (376 acres) of the study area, are considered hydric soils. The remaining approximately 91.1 percent (3,855 acres) of the study area is comprised of soils which are not hydric soils.

2.4.2.3 Prime Farmland Soils

The USDA defines prime farmland as land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. Prime farmland could be cultivated land, pastureland, forestland, or other land, but it is not urban or built-up land or water areas. The soil quality, growing season, and moisture supply are those needed for the soil to produce economically sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied. In general, prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, an acceptable salt and sodium content, and few or no rocks. The water supply is dependable and of adequate quality. Prime farmland is permeable to water and air. It is not excessively erodible or saturated with water for long periods, and it either is not frequently flooded during the growing season or is protected from flooding. Slope ranges mainly from 0 to 6 percent. More detailed information about the criteria for prime farmland is available at the local office of the NRCS (NRCS, 2022a).

According to the NRCS Web Soil Survey (NRCS, 2022a), Ab, Lu, and WalA soils, which account for approximately 6.7 percent (283 acres) of the study area, are considered prime farmland. The remaining approximately 93.3 percent (3,949 acres) of the study area is comprised of soils which are not considered prime farmland.

TRC sent a request for information letter to the NRCS regarding the Project on November 3, 2022, and received a response on November 21, 2022, stating no USDA-NRCS easements are located within the study area and the USDA-NRCS also provided a soil report for the study area (**Appendix A**).

2.4.3 Water Resources

Readily available online resources were used to evaluate water resources within the study area including surface water and groundwater.

2.4.3.1 Surface Waters

The study area is located within Montgomery County which is located entirely in the San Jacinto River Basin. Major waterbodies include the San Jacinto River, Lake Conroe, Lake Houston, and Spring Creek. Spring Creek, Mill Creek, and Decker Branch are the named perennial waterways within the study area. Numerous smaller perennial, intermittent, and/or ephemeral named and unnamed tributaries to these waterways are also found throughout study area and eventually flow east to San Jacinto River or Lake Houston. Numerous ponds, cattle stock tanks, and retention ponds are scattered throughout the study area. In addition, the USFWS National Wetland Inventory (NWI) mapper was reviewed which identified potential wetland features within the study area.

Section 404 of the CWA (33 U.S.C. 1251 et seq.), as amended, provides for the protection of waters of the U.S. through regulation of the discharge of dredged or fill material. All surface waters and their associated wetlands within the study area are protected under this regulation and any potential impacts would need to be coordinated with the USACE – Galveston District.

2.4.3.2 Ground Water

A major aquifer is defined as an aquifer that supplies large quantities of water over a large area of the state. A minor aquifer supplies a large quantity of water over a small area, or small quantities over a large area (Ashworth and Hopkins 1995). The Texas Water Development Board (TWDB) identifies the Northern Portion of the Gulf Coast Aquifer System as a major aquifer within the study area with no minor aquifers identified. (TWDB 2019a, 2019b). The Gulf Coast Aquifer extends along the Texas Gulf of Mexico from Louisiana to Mexico and was deposited in a way that generated sand and clay layers. No minor aquifers are identified within the study area.

The TWDB Water Data Interactive Online Viewer indicated that both public and private water wells were located within the study area. All wells within the study area must be permitted through the Lone Star Groundwater Conservation District (LSGCD). The LSGCD was created by the 77th Texas Legislature in 2001, with the purpose of preserving, conserving, and protecting Montgomery County's groundwater supplies. Its creation was confirmed by local voters, with nearly 75% approval by those casting ballots in the November elections that year. Land subsidence is the sinking of the land surface, caused by compressing the many layers of clay beneath the surface and subsidence is known to have occurred in southern Montgomery (LSGCD, 2022). The LSGCD has subsidence monitoring sites east and west of the study area which have subsidence rates of - 1.13 centimeters/year and - 0.99 centimeters/year, respectively. It is presumed the study area has a similar subsidence rate.

2.4.3.3 Special Status Waters

The TPWD designates Ecologically Significant Stream Segments (ESSS) for waters that display unique ecological value based on biological function, hydrologic function, riparian conservation areas, water quality, aquatic life, aesthetics, or habitat for threatened or endangered species. Review of the TPWD ESSS data indicated that no designated ESSS are located within the study area.

TCEQ identifies surface waters in Texas that do not meet Total Maximum Daily Load (TMDL) in accordance with Section 303(d) of the CWA. The TCEQ's 2022 303(d) List was reviewed, and no stream segments were listed within the study area; therefore, all streams currently meet TCEQ water quality standards.

2.4.3.4 Floodplains

Montgomery County participates in the FEMA program; therefore, floodplain and floodway data were available for the study area. Review of the FEMA Flood Insurance Rate Maps (FIRM) indicate that the limits of the 100-year floodplain occur along Spring Creek, Mill Creek, Decker Branch, and other tributaries or drainageways within the study area (TWDB, 2021).

TRC sent a request for information letter to FEMA, Montgomery County Floodplain Administrator, and Montgomery County/TECQ FEMA Director regarding the Project on November 3, 2022, and no response has been received as of May 30, 2023.

2.4.3.5 Future Surface Water Developments

The TWDB has developed a regional approach for the development, conservation, and management of the state's water resources. The state is divided into sixteen planning regions and the study area is located within Region H. Region H encompasses all or part of fifteen counties in southeast Texas and includes the majority of the San Jacinto River Basin and the lower reaches of the Brazos and Trinity River Basins. The Region H Water Planning Group (RHWPG) consists of 26 voting and 10 non-voting members that represent a diverse range of backgrounds and interests. In their 2021 Regional Water Plan, the RHWPG selected the Allens Creek Reservoir, located approximately 1 mile north of the City of Wallis, for designation a site of unique value for use as a surface water supply reservoir. This designation limits the construction of major infrastructure (such as major highways) within the Allens Creek Reservoir limits. RHWPG did not nominate any new river or stream segments of unique ecological value. No future surface water developments are planned within the study area.

2.4.4 Ecological Resources

2.4.4.1 Ecological Region

The study area is in the South-Central Great Plains ecoregion, defined by the U.S. Environmental Protection Agency as Ecoregion 35, a Level III ecoregion. The study area is in the sub-region of the Southern Tertiary Uplands (35e) Level IV ecoregion throughout most of the site, with the southeastern portion of the study area located within the Flatwoods (35f) Level IV ecoregion. The South-Central Great Plains ecoregion is characterized by mostly irregular plains of the western edge of the southern coniferous forest belt. Previously covered by a mix of pine and hardwood forests, most of the region is now in loblolly and shortleaf pine plantations, with only one sixth of the region utilized for cropland. Soils are mostly acidic sands and sandy loams (Griffith et al. 2007). Characteristic faunal species are discussed below. Wildlife species that occur include species that have historically occurred in the area, as well as others that are particularly adapted to this forested environment.

The Southern Tertiary Uplands (35e) ecoregion generally covers the remainder of the longleaf pine range north of the Flatwoods (35f). The region is hillier and more dissected than the Flatwoods (35f) to the south, and soils are generally better drained over the more permeable sediments, consisting primarily of alfisols and utisols. The Pliocene-age to Eocene-age geology contains a variety of sandstones, siltstones, and calcareous and acidic clays. Large parts of the region are public National Forest Land. The Flatwoods (35f) ecoregion consists of mostly flat to gently sloping topography comprising flat and irregular plains with low gradient streams, small, undrained depression, and the occasional surface mound from salt domes. Much like the Southern Tertiary Uplands (35e) land cover within the Flatwoods (35f) mostly forested with some areas in timber production, a small percentage of agricultural activities, and some public land (Griffith et al. 2007).

2.4.4.2 Vegetation Types

Within the Southern Tertiary Uplands (35e) ecoregion, predominant vegetation cover was once dominated by longleaf pine-bluestem wood lands as shown on **Figure 2.4** (*Pinus palustris-Schizachyrium* spp. and *Andropogon* spp.), accompanied by a variety of other forest types, including pine-hardwood forests (*Pinus echinata-Quercus* spp.), mixed hardwood-loblolly pine (*Pinus taeda*)

forests, and hardwood-dominated forests along streams. Currently, the ecoregion has more pine forest than the oak-pine pastureland more typical of ecoregions to the north. On more mesic sites, some American beech (*Fragus grandifolia*) or magnolia-beech-loblolly pine forests occurred. Some sandstone outcrops of the Catahoula Formation have distinctive barrens or glades that contain several rare species. Forested seeps in sand hills support acid bog species including southern sweetbay (*Magnolia virginiana*), hollies or gallberry (*Ilex* spp.), wax-myrtles (*Morella* spp.), insectivorous plants, orhcids, and wild azalea (*Rhodendron* spp.). This vegetation becomes more extensive in the Flatwoods (35f) ecoregion located in the southeastern portion of the study area, where longleaf pine flatwoods and savannas were historically typical. These wetland savannas are one of the rarest habitat types in Texas, with many having been greatly modified or have become overgrown and less diverse. In the Flatwoods (35f), there is less beech and more swamp chestnut oak (*Quercus michauxii*) and laurel oak (*Quercus laurifolia*) compared to the northern Souther Tertiary Uplands (35e). On steeper slopes, along streams and other areas where fire was less frequent, forest contain loblolly pine, sweetgum (*Liquidambar styraciflua*), white oak (*Quercus alba*), southern red oak (*Quercus falcata*), willow oak (*Quercus phellos*), blackgum (*Nyssa sylvatica*), and hollies (Griffith et al. 2007).

2.4.4.3 Wetlands

The USFWS NWI dataset was reviewed to determine the presence of potential wetlands within the study area. It was determined that wetlands and open waters comprise of 12 percent of the study area. Three types of wetlands have potential to occur in the study area would be palustrine wetlands that are typically less than 20 acres in size, have a maximum water depth of 6.6 feet, and have a salinity of less than 0.5 percent (Federal Geographic Data Committee, 2013).

Palustrine Forested (PFO) Wetlands: Are wetlands dominated by woody vegetation that are 20 feet or taller but may include an understory of younger trees and shrubs and an herbaceous layer.

Palustrine Scrub-Shrub (PSS) Wetlands: Are wetlands dominated by woody vegetation that are less than 20. Vegetation may include shrubs, young or stunted growth trees, and an herbaceous layer.

Palustrine Emergent (PEM) Wetlands: Are wetlands dominated by rooted herbaceous or grass like plants and are present for most of the growing season. Shrubs and saplings may grow in PEM wetlands but are not a dominant species.

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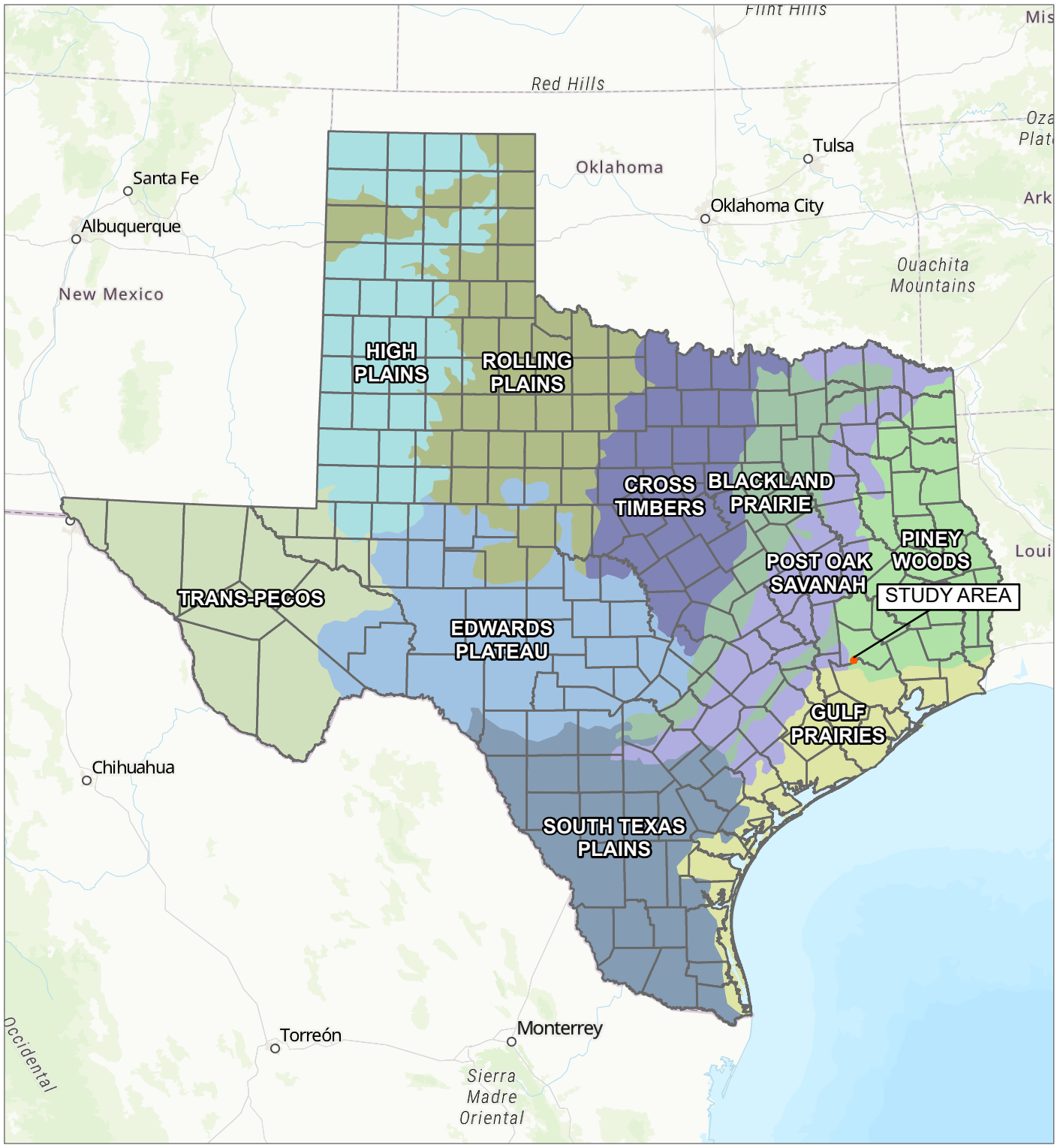

- STUDY AREA
- COUNTIES
- BLACKLAND PRAIRIE
- CROSS TIMBERS
- EDWARDS PLATEAU
- GULF PRAIRIES
- HIGH PLAINS
- PINEY WOODS
- POST OAK SAVANAH
- ROLLING PLAINS
- SOUTH TEXAS PLAINS
- TRANS-PECOS

BASE MAP: ESRI "WORLD TOPOGRAPHIC MAP"
DATA SOURCES: TRC, ESRI

0 20 40 60 80 100 120 MILES

1:7,500,000 1" = 625,000'

PROJECT: CENTER POINT ENERGY INC
MILL CREEK PHASE 3

TITLE: LOCATION OF THE STUDY AREA IN RELATIONSHIP TO THE VEGETATIONAL AREAS OF TEXAS

DRAWN BY:	H. BEST	PROJ. NO.:	507707
CHECKED BY:	R. SPRING		
APPROVED BY:	D. SWEENEY		
DATE:	MAY 2023		

FIGURE 2.4

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_EA_MAPPING

COORDINATE SYSTEM: NAD 1983 TEXAS STATEWIDE MAPPING SYSTEM; MAP ROTATION: 0
-- SAVED BY: JRYOUNG ON 5/30/2023, 15:58:54 PM -- FILE PATH: T:\ARCGISPRO\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_EA_MAPPING.APRX; -- LAYOUT NAME: FIG 2 VEGETATION MAP 8X11P

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2.4.4.4 Wildlife and Fisheries

As shown on **Figure 2.2**, the study area is in Montgomery County within the Austroriparian Biotic Province. The Austroriparian Biotic Province in Texas extends into eastern Texas and occupies a strip of coastal plain from the Gulf of Mexico to the Ouachita Mountains of Oklahoma. Characterized by south temperate forests and occasional swampland, the plants and animals of this province are mostly species that extend eastward on the coastal plain to the Atlantic (Blair, 1950). The Austroriparian Biotic Province supports 17 anurans, 18 urodeles, 29 snake species, 10 lizards, two land turtles, and at least 47 species of mammals (Blair 1950).

2.4.4.5 Amphibians and Reptiles

Amphibian species (frogs, toads, salamanders, and newts) that typically occur within the study area are listed in **Table 2.11**. Frogs and toads may occur in vegetation types and salamanders and newts are typically restricted to moist habitats. Reptiles, such as turtles, lizards, and snakes, that typically occur in the study area are also listed in **Table 2.11**. These include species that are more commonly observed near water (i.e., aquatic turtles and some snakes) and those that are more common in terrestrial habitats. (Conant and Collins 1991; Tennant 2006; TCWC 2009).

Table 2.8 Representative List of Amphibian Species of Potential Occurrence in the Study Area

Common Name[a]	Scientific Name[b]
Salamander/Newt	
Dwarf salamander	*Eurycea quadridigitata*
Lesser siren	*Siren intermedia*
Marbled salamander	*Ambystoma opacum*
Red-spotted newt	*Notophthalmus viridescens*
Small-mouthed salamander	*Ambystoma texanum*
Three-toed amphiuma	*Amphiuma tridactylum*
Gulf Coast waterdog	*Necturus beyeri*
Frogs and Toads	
American bullfrog	*Rana catesbeiana*
Bronze frog	*Lithobates clamitans clamitans*
Crawfish frog	*Lithobates areolatus*
Cricket frog	*Acris crepitans*
Gray treefrog	*Hyla versicolor*
Great plains narrow-mouthed toad	*Gastrophryne olivacea*
Green treefrog	*Hyla cinerea*
Hurter's spadefoot toad	*Scaphiopus hurterii*
Pickerel frog	*Lithobates palustris*
Southern leopard frog	*Lithobates sphenocephalus*
Spotted chorus frog	*Pseudacris clarkii*
Spring peeper	*Pseudacris crucifer*
Squirrel treefrog	*Hyla squirella*

Table 2.8 Representative List of Amphibian Species of Potential Occurrence in the Study Area

Common Name[a]	Scientific Name[b]
Strecker's chorus frog	*Pseudacris streckeri*
Western chorus frog	*Pseudacris triseriata*
Woodhouse's toad	*Anaxyrus woodhousii*
Lizards	
Broad-headed skink	*Plestiodon laticeps*
Eastern fence lizard	*Sceloporus undulatus*
Five-lined skink	*Eumeces fasciatus*
Green anole	*Anolis carolinensis*
Ground skink	*Scincella lateralis*
Six-lined race runner	*Cnemidophorus sexlineatus*
Slender grass lizard	*Ophisaurus attenuatus*
Texas horned lizard	*Phrynosoma cornutum*
Snakes	
Coachwhip	*Masticophis flagellum*
Common kingsnake	*Lampropeltis getula*
Copperhead	*Agkistrodon contortrix*
Corn snake	*Pantherophis guttatus*
Cottonmouth	*Agkistrodon piscivorus*
Diamond-backed water snake	*Nerodia rhombifer*
Eastern gartersnake	*Thamnophis sirtalis*
Eastern hog-nosed snake	*Heterodon platirhinos*
Eastern racer	*Coluber constrictor*
Flat-headed snake	*Tantilla gracilis*
Glossy crawfish snake	*Regina rigida*
Graham's crayfish snake	*Regina grahamii*
Ground snake	*Sonora semiannulata*
Gulf Coast ribbonsnake	*Thamnophis Proximus*
Lined snake	*Tropidoclonion lineatum*
Louisiana pine snake	*Pituophis ruthveni*
Milk snake	*Lampropeltis Triangulum*
Mississippi green water snake	*Nerodia cyclopion*
Plain-bellied watersnake	*Nerodia erythrogaster*
Prairie kingsnake	*Lampropeltis calligaster*
Pygmy rattlesnake	*Sistrurus miliarius*
Red-bellied mudsnake	*Farancia abacura*
Ring-necked snake	*Diadophis punctatus*
Rough green snake	*Opheodrys aestivus*

Table 2.8 Representative List of Amphibian Species of Potential Occurrence in the Study Area

Common Name[a]	Scientific Name[b]
Southern watersnake	*Nerodia fasciata*
Texas brown snake	*Storeria dekayi texana*
Texas coral snake	*Micrutus fulvius*
Texas rat snake	*Elaphe obsolete lindheimeri*
Timber rattlesnake	*Crotalus horridus*
Western diamond-backed rattlesnake	*Crotalus atrox*
Western pygmy rattlesnake	*Sistrurus miliarius*
Western thread (blind) snake	*Leptotyphlops dulcis*
Turtles	
Alligator snapping turtle	*Macrochelys temminckii*
Chicken turtle	*Deirochelys reticularia*
Common musk turtle	*Sternotherus odoratus*
Common snapping turtle	*Chelydra serpentina*
Diamond-backed terrapin	*Malaclemys terrapin*
Eastern box turtle	*Terrapene carolina*
Mississippi mud turtle	*Kinosternon subrubrum*
Ornate box turtle	*Terrapene ornate*
Razorback musk turtle	*Sternotherus carinatus*
Red-eared slider	*Trachemys scripta*
River cooter	*Pseudemys concinna*
Smooth softshell	*Apalone mutica*
Spiny softshell	*Apalone spinifera*
Three-toed box turtle	*Terrapene carolina triunguis*
Western box turtle	*Terrapene ornata*
Western chicken turtle	*Deirochelys reticularia miaria*

(a) According to Werler and Dixon (2000) and Dixon (2013)

(b) Nomenclature follows Crother et al. (2012)

2.4.4.6 Birds

Avian species of potential occurrence in the study area include many year-round residents, migrants/summer residents, and migrants/winter residents. A representative list of bird species of potential occurrence in the study area is included as **Table 2.12**.

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Acadian flycatcher	*Empidonax virescens*	SR
American bittern	*Botaurus lentiginosus*	WR
American woodcock	*Fulica americana*	R
American coot	*Scolopax minor*	R, WR
American crow	*Corvus brachyrhynchos*	R
American goldfinch	*Carduelis tristis*	WR
American kestrel	*Falco sparverius*	WR
American pipit	*Anthus rubescens*	WR
American robin	*Turdus migratorius*	R
American white pelican	*Pelecanus erythrorhynchos*	WR
American wigeon	*Anas americana*	WR
Anhinga	*Anhinga anhinga*	R
Bald eagle	*Haliaeetus leucocephalus*	M
Barn owl	*Tyto alba*	R
Barn swallow	*Hirundo rustica*	SR
Barred owl	*Strix varia*	R
Belted kingfisher	*Ceryle alcyon*	WR
Black rail	*Laterallus jamicensis*	M
Black vulture	*Coragyps atratus*	R
Black-and-white warbler	*Mniotilta varia*	SR
Black-bellied whistling duck	*Dendrocygna autumnalis*	R
Black-crowned night-heron	*Nycticorax nycticorax*	R
Black-legged kittiwake	*Rissa tridactyla*	WR
Black-necked stilt	*Himantopus mexicanus*	R
Blue grosbeak	*Passerina caerulea*	SR
Blue-gray gnatcatcher	*Polioptila caerulea*	R
Blue-headed vireo	*Vireo solitarius*	R
Bonaparte's gull	*Larus philadelphia*	WR
Brewer's blackbird	*Euphagus cyanocephalus*	WR
Broad-winged hawk	*Buteo platypterus*	SR
Bronzed cowbird	*Molothrus aeneus*	WR
Brown creeper	*Certhia americana*	WR
Brown thrasher	*Toxostoma rufum*	WR

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Brown-headed cowbird	*Molothrus ater*	R
Bufflehead	*Bucephala albeola*	WR
Burrowing owl	*Athene cunicularia*	WR
Canada goose	*Branta canadensis*	WR
Canvasback	*Aythya valisineria*	WR
Carolina chickadee	*Pecile carolinensis*	R
Carolina wren	*Thryothorus ludovicianus*	R
Cattle egret	*Bubulcus ibis*	SR
Cave swallow	*Petrochelidon fulva*	SR
Cedar waxwing	*Bombycilla cedrorum*	WR
Chimney swift	*Chaetura pelagica*	SR
Chipping sparrow	*Spizella passerina*	WR
Chuck-will's-widow	*Caprimulgus carolinensis*	SR
Cinnamon teal	*Anas cyanoptera*	WR
Cliff swallow	*Petrochelidon pyrrhonota*	SR
Common goldeneye	*Bucephala clangula*	WR
Common grackle	*Quiscula quiscula*	R
Common ground-dove	*Columbina passerina*	R
Common loon	*Gavia immer*	WR
Common moorhen	*Gallinula chloropus*	R
Common nighthawk	*Chordeiles minor*	SR
Common yellowthroat	*Geothlypis trichas*	WR
Cooper's hawk	*Accipiter cooperii*	WR
Dark-eyed junco	*Junco hyemalis*	WR
Dickcissel	*Spiza americana*	SR
Double-crested cormorant	*Phalacrocorax auritus*	R
Downy woodpecker	*Picoides pubescens*	R
Eared grebe	*Podiceps nigricollis*	WR
Eastern bluebird	*Sialia sialis*	R
Eastern kingbird	*Tyrannus tyrannus*	SR
Eastern meadowlark	*Sturnella magna*	R
Eastern phoebe	*Sayornis phoebe*	WR
Eastern screech owl	*Megascops asio*	R

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Eastern towhee	*Pipilo erythrophthalmus*	WR
Eastern wood-pewee	*Contopus virens*	SR
Eurasian collared-dove	*Streptopelia decaocto*	R
European starling	*Sturnus vulgaris*	R
Field sparrow	*Spizella pusilla*	WR
Forster's tern	*Sterna forsteri*	WR
Fox sparrow	*Passerella iliaca*	WR
Franklin's gull	*Leucophaeus pipixcan*	M
Fulvous whistling duck	*Dendrocygna bicolor*	SR
Gadwall	*Anas strepera*	WR
Golden-crowned kinglet	*Regulus satrapa*	WR
Grasshopper sparrow	*Ammadramus savannarum*	R
Great blue heron	*Ardea herodias*	R
Great crested flycatcher	*Myiarchus crinitus*	SR
Great egret	*Ardea alba*	R
Great horned owl	*Bubo virginianus*	R
Greater roadrunner	*Geococcyx californianus*	R
Greater scaup	*Aythya marila*	WR
Greater white-fronted goose	*Answer albifrons*	WR
Greater yellowlegs	*Tringa melanoleuca*	WR
Great-tailed grackle	*Quiscalus mexicanus*	R
Green heron	*Butorides virescens*	R
Green-winged teal	*Anas crecca*	WR
Hermit thrush	*Catharus guttatus*	WR
Herring gull	*Larus argentatus*	WR
Hooded Merganser	*Lophodytes cucullatus*	WR
Horned grebe	*Podiceps auritus*	WR
Horned lark	*Eremophila alpestris*	R
House finch	*Carpodacus mexicanus*	R
House sparrow	*Passer domesticus*	R
House wren	*Tryoglodytes aedon*	WR
Inca dove	*Columbina inca*	R
Indigo bunting	*Passerina cyanea*	SR

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Kentucky warbler	*Oporornis formosus*	SR
Killdeer	*Charadrius vociferus*	R
King rail	*Rallus elegans*	R
Lark sparrow	*Chondestes grammacus*	R
Least bittern	*Ixobrychus exilis*	SR
Least sandpiper	*Calidris minutilla*	WR
LeConte's sparrow	*Ammodramus leconteii*	WR
Lesser scaup	*Aythya affinis*	WR
Lincoln's sparrow	*Melospica lincolnii*	WR
Little blue heron	*Egretta caerulea*	SR
Loggerhead shrike	*Lanius ludovicianus*	R
Long-billed dowitcher	*Limnodromus scolopaceus*	WR
Louisiana waterthrush	*Seiurus motacilla*	SR
Mallard	*Anas platyrhynchos*	WR
Marsh wren	*Cistothorus palustris*	WR
Merlin	*Falco columbarius*	WR
Mottled duck	*Anas fulvigula*	R
Mourning dove	*Zenaida macroura*	R
Neotropic cormorant	*Phalacrocorax brasilianus*	R
Northern bobwhite	*Colinus virginianus*	R
Northern cardinal	*Cardinalis cardinalis*	R
Northern flicker	*Colaptes auratus*	WR
Northern harrier	*Circus hudsonius*	WR
Northern mockingbird	*Mimus polyglottos*	R
Northern parula	*Setophaga americana*	SR
Northern pintail	*Anas acuta*	WR
Northern rough-winged swallow	*Stelgidopteryx serripennis*	SR
Northern shoveler	*Anas clypeata*	WR
Orange-crowned warbler	*Vermivora celata*	WR
Orchard oriole	*Icterus spurius*	SR
Osprey	*Pandion haliaetus*	WR
Painted bunting	*Passerina ciris*	SR
Pied-billed grebe	*Podilymbus podiceps*	R

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Pileated woodpecker	*Dryocopus pileatus*	R
Pine siskin	*Carduelis pinus*	WR
Pine warbler	*Dendroica pinus*	WR
Piping plover	*Charadrius melodus*	M
Prothonotary warbler	*Protonotaria citrea*	SR
Purple gallinule	*Porphyrio martinica*	SR
Purple martin	*Progne subis*	SR
Red-bellied woodpecker	*Melanerpes carolinus*	R
Red-breasted merganser	*Mergus serrator*	WR
Red-breasted nuthatch	*Sitta canadensis*	WR
Red-cockaded woodpecker	*Dryobates borealis*	R
Redhead	*Aythya americana*	WR
Red-shouldered hawk	*Buteo lineautus*	R
Red-tailed hawk	*Buteo jamaicensis*	R
Red-winged blackbird	*Agelaius phoeniceus*	R
Ring-billed gull	*Larus delawarensis*	WR
Ring-necked duck	*Aythya collaris*	WR
Rock pigeon	*Columba livia*	R
Roseate spoonbill	*Platalea ajaja*	R
Ross's goose	*Chen rossii*	WR
Ruby-crowned kinglet	*Regulus calendula*	WR
Ruby-throated hummingbird	*Archilochus colubris*	SR
Ruddy duck	*Oxyura jamaicensis*	WR
Rufa red knot	*Calidris canutus rufa*	M
Rufous hummingbird	*Selasphorus rufus*	SR
Rusty blackbird	*Euphagus carolinus*	WR
Savannah sparrow	*Passerculus sandwichensis*	WR
Scissor-tailed flycatcher	*Tyrannus forficatus*	SR
Sedge wren	*Cistothorus stellaris*	WR
Sharp-shinned hawk	*Accipter striatus*	WR
Short-eared owl	*Asio flammeus*	WR
Snow goose	*Chen caerulescens*	WR
Snowy egret	*Egretta thula*	R

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Solitary sandpiper	*Tringa solitaria*	WR
Song sparrow	*Melospiza melodia*	WR
Sora	*Porzana carolina*	WR
Spotted sandpiper	*Actitis macularia*	WR
Spotted towhee	*Pipilo maculatus*	WR
Sprague's pipit	*Anthus spragueii*	M
Summer tanager	*Piranga rubra*	SR
Swainson's warbler	*Limnothlypis swainsonii*	SR
Swallow-tailed kite	*Elanoides forficatus*	M
Swamp sparrow	*Melospiza georgiana*	WR
Tree swallow	*Tachycineta bicolor*	WR
Tricolored heron	*Egretta tricolor*	SR
Tufted titmouse	*Baeolophus bicolor*	R
Turkey vulture	*Cathartes aura*	R
Vesper sparrow	*Pooecetes gramineus*	WR
Virginia rail	*Rallus limicola*	WR
Western burrowing owl	*Athene cunicularia hypugaea*	R
Western kingbird	*Tyrannus verticalis*	SR
Western meadowlark	*Sturnella neglecta*	WR
Western sandpiper	*Calidris mauri*	WR
White ibis	*Eudocimus albus*	R
White-breasted nuthatch	*Sitta carolinensis*	WR
White-crowned sparrow	*Zonotrichia leucophrys*	WR
White-eyed vireo	*Vireo griseus*	R
White-faced ibis	*Plegadis chihi*	M
White-tailed kite	*Elanus leucurus*	R
White-throated sparrow	*Zonotrichia albicollis*	WR
White-winged dove	*Zenaida asiatica*	R
Wilson's snipe	*Gallinago delicata*	WR
Winter wren	*Troglodytes troglodytes*	WR
Wood duck	*Aix sponsa*	R
Wood stork	*Mycteria americana*	M
Yellow-bellied sapsucker	*Sphyrapicus varius*	WR

Table 2.9 Representative List of Avian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name[b]	Likely Seasonal Occurrence[a, c]
Yellow-billed cuckoo	*Coccyzus americanus*	SR
Yellow-breasted chat	*Icteria virens*	SR
Yellow-crowned night-heron	*Nyctanassa violacea*	R
Yellow-rumped warbler	*Dendroica coronata*	WR

(a) According to Lockwood and Freeman (2014).
(b) Nomenclature follows Chesser et al. (2018)
(c) R – Resident: Occurring regularly in the same general area throughout the year – implies breeding
SR – Summer Resident: Implies breeding but may include nonbreeders.
WR – Winter Resident: Occurring during winter season
M – Migrant: Occurs as a transient passing through the area either in spring or fall or both

The MBTA, originally passed in 1918, implements the U.S. commitment to four bilateral treaties, or conventions, for the protection of a shared migratory bird resource, protecting more than 800 species of birds. The protection of migratory birds is regulated by the MBTA and BGEPA. Based on recent interpretation (issued December 2017; revised April 2018) of the MBTA by the U.S. Department of the Interior, the take provision for migratory birds is restricted to intentional actions. The USFWS field offices in Texas are now applying this interpretation with respect to project-related activities such as clearing of vegetation within the breeding season. Since these activities are not designed to specifically take migratory birds, the USFWS has not imposed seasonal timing restrictions or required compensatory mitigation. TPWD recommends excluding vegetation clearing during the general bird nesting season, March through August, to avoid adverse impacts to nesting migratory birds. If this is not feasible, TPWD recommends a nest survey be conducted and any vegetation where occupied nests are located should not be disturbed until the eggs have hatched and the young have fledged. TPWD also referred to Avian Power Line Interaction Committee guidance documents for reducing bird collision with power lines (APLIC 1994).

According to the IPaC consultation, there are no migratory birds of conservation concern expected to occur in the study area; however, the official IPaC lists a total of two T&E bird species that are also migratory species that may be present in the study area if habitat is present (**Table 2.12**). **Figure 2.5** shows the migration path for the Whooping crane, which just skirts the study area and would only be considered a migrant or transient within the study area. The breeding season for migratory birds is generally between April 1 through August 31.

2.4.4.7 Fisheries

The aquatic habitats located within the study area are associated with perennial and intermittent streams and ponds, and the larger surface waters, including retention ponds, lakes, Spring Creek, and the San Jacinto River.

The intermittent streams support aquatic species primarily adapted to ephemeral pool habitats. Because they consist of small headwater drainages, persistent flow is unlikely to be sufficient to support any substantial lotic assemblage. Aquatic species in this habitat are typically adapted to rapid dispersal and completion of life cycles in pool habitats having fine-grained substrates. In stream reaches dominated by scoured, sandy-clay bottoms, accumulations of woody debris of leaf pack

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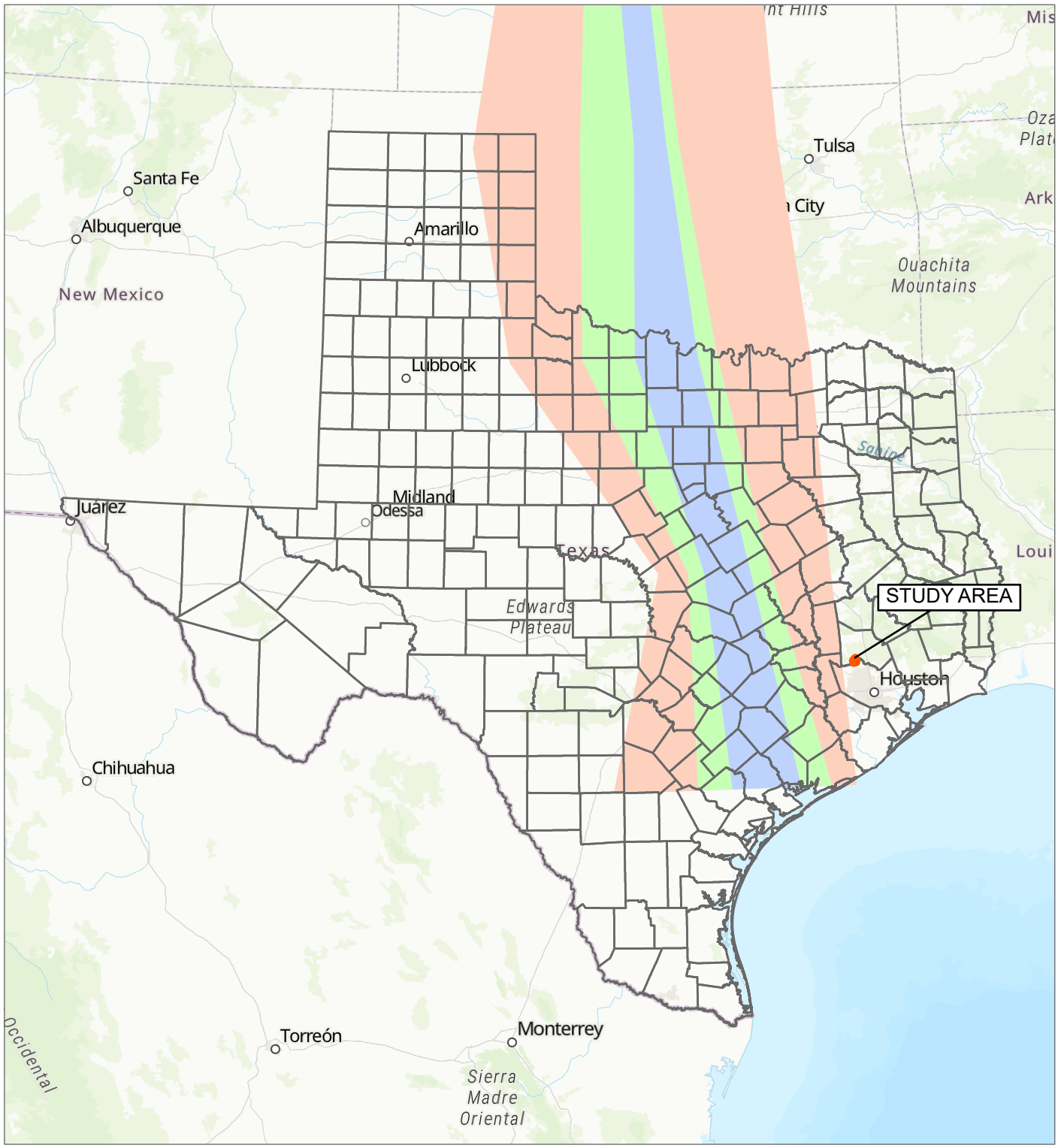

STUDY AREA

COUNTIES

WHOOPING CRANE MIGRATION CORRIDORS

50TH PERCENTILE

75TH PERCENTILE

95TH PERCENTILE

BASE MAP: ESRI "WORLD TOPOGRAPHIC MAP"
DATA SOURCES: TRC, ESRI, USGS

0 20 40 60 80 100 120 MILES

1:7,500,000 1" = 625,000'

PROJECT: CENTER POINT ENERGY INC
MILL CREEK PHASE 3

TITLE: LOCATION OF THE STUDY AREA IN RELATIONSHIP TO USGS WHOOPING CRANE MIGRATION CORRIDORS

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. GEYER		
APPROVED BY:	H. EFFLER		
DATE:	MARCH 2023		

FIGURE 2.5

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_HALEY_B

COORDINATE SYSTEM: NAD 1983 TEXAS STATEWIDE MAPPING SYSTEM; MAP ROTATION: 0
-- SAVED BY: DSWEENEY ON 3/28/2023, 09:38:56 AM; FILE PATH: T:\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_HALEY_B.APRX; LAYOUT NAME: WHCR FLYWAYS

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provide the most important feeding and refuge for invertebrates and forage fish. The softer, muddy bottoms generally harbor populations of burrowing invertebrates (e.g., larval diptera and oligchaetes), which can be an important food source to higher tropic levels.

The perennial streams and larger retention lakes provide consistent aquatic habitat for all trophic levels, with fish being prominent. The relatively stable water levels of the reservoirs, and the constant pool and flow of the streams facilitate stable population growth. Species with flowing water of pooled area habitat requirements will utilize the perennial streams, and those adapted for deeper waters will utilize the lake environments. Several fish species have an upstream spawning event during the spring and utilize both habitat types. The larger populations of fish also attract many fish-eating bird species.

Small ponds located in the study area exhibit variability in terms of age, drainage, use by cattle, past fish stocking and fertilization history. These aquatic habitats are almost always exposed to full sunlight and do not typically experience the variations in flow as do streams after heavy rainfall events. Typically, fluctuations in water level are experienced during the summer months due to high evaporations rates, and repeated heavy rainfall events are required to fill the ponds completely. Periods of extended drought in the region may reduce these seasonal water level fluctuations of dry the pond completely. Bottom sediments in these ponds are typically silt-sized particles, either naturally occurring or added as a liner to prevent leakage.

Approximately 100 species of fish are known to occur in this region of Texas. Based on the size and characteristics of the various surface waters, not all these species would occur in the habitats represented in the study area. The headwater segments of the tributaries host minnows (*Notropis* spp.), mosquitofish (*Gambusia affinis*), topminnows (*Fundulus* spp.), and darters (*Etheostoma* spp.), with some juvenile members of larger species. Downstream, particularly in pooled areas, the fish community tends to be heavily dominated by widely distributed sunfish (*Lepomis* spp.) when sufficient water is present (Hubbs et al 1991). An increased number of significant fish assemblages would be present in within Spring Creek, as it is perennial and discharges into the San Jacinto River, which empties into Lake Houston. Fish species that may be present in the study area are presented within **Table 2.13**.

Several species of turtles, snakes, and amphibians are also dependent on perennial surface waters for their habitat requirements. Several of these species will infrequently use terrestrial habitats to migrate between surface waters, but they primarily utilize impounded and perennial surface waters.

Table 2.13 Representative List of Fish Species of Potential Occurrence Within the Study Area

Common Name	Scientific Name
Bantam sunfish	*Lepomis symmetricus*
Banded pygmy sunfish	Elassoma zonatum
Blackspotted topminnow	Fundulus olivaceus
Blackspot shiner	Notropis atrocaudalis
Blackstripe topminnow	Fundulus notatus
Blacktail redhorse	Moxostoma poecilurum

Table 2.13 Representative List of Fish Species of Potential Occurrence Within the Study Area

Common Name	Scientific Name
Bluegill	Lepomis macrochirus speciosus
Chub shiner	Notropis potteri
Creek chubsucker	Erimyzon oblongus
Cypress darter	Etheostoma proeliare
Eastern redfin darter	Etheostoma whipplei
Golden topminnow	Fundulus chrysotus
Green sunfish	Lepomis cyanellus
Host minnow	Notropis spp.
Mississippi Silvery Minnow	Hybognathus nuchalis
Mosquitofish	Gambusia affinis
Mud darter	Etheostoma asprigene
Redear sunfish	Lepomis microlophus
Rudd	Scardinius
Sabine shiner	Notropis sabinae
Scaly sand darter	Ammocrypta yivax
Spotted sunfish	Lepomis punctatus
Warmouth	Lepomis gulosus
Western Creek Chubsucker	Erimyzon claviformis

2.4.4.8 Mammals

A representative list of mammals that may occur in the study area is included as **Table 2.14**.

Table 2.14 Representative List of Mammalian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name
American beaver	*Castor canadensis*
Attwater's pocket gopher	*Geomys attwateri*
Baird's pocket gopher	*Geomys breviceps*
Big brown bat	*Eptesicus fuscus*
Big free-tailed bat	*Nyctinomops macrotis*
Black-tailed jackrabbit	*Lepus californicus*
Black-tailed prairie dog	*Cynomys ludovicianus*
Bobcat	*Lynx rufus*
Brazilian free-tailed bat	*Tadarida brasiliensis*
Common gray fox	*Urocyon cinereoargenteus*
Common muskrat	*Ondatra zibethicus*
Common raccoon	*Procyon lotor*
Cotton mouse	*Peromyscus gossypinus*
Coyote	*Canis latrans*
Deer mouse	*Peromyscus maniculatus*
Eastern cottontail	*Sylvilagus floridanus*
Eastern flying squirrel	*Glaucomys volans*
Eastern fox squirrel	*Sciurus niger*
Eastern gray squirrel	*Sciurus carolinensis*
Eastern harvest mouse	*Reithrodontomys humulis*
Eastern mole	*Scalopus aquaticus*
Eastern pipistrelle	*Pipistrellus subflavus*
Eastern red bat	*Lasiurus borealis*
Eastern spotted skunk	*Spilogale putorius*
Eastern woodrat	*Neotoma floridana*
Elliot's short-tailed shrew	*Blarina hylophaga*
Evening bat	*Nycticeius humeralis*
Fulvous harvest mouse	*Reithrodontomys fulvescens*
Hispid cotton rat	*Sigmodon hispidus*
Hispid pocket mouse	*Chaetodipus hispidus*
Hoary bat	*Lasiurus cinereus*
House mouse	*Mus musculus*
Least shrew	*Cryptotis parva*
Long-tailed weasel	*Mustela frenata*

Table 2.14 Representative List of Mammalian Species of Potential Occurrence in the Study Area

Common Name	Scientific Name
Louisiana black bear	*Ursus americanus luteolus*
Marsh rice rat	*Oryzomys palustris*
Mexican ground squirrel	*Spermophilus mexicanus*
Mink	*Mustela vison*
Mountain lion	*Puma concolor*
Nine-banded armadillo	*Dasypus novernicinctus*
Northern pygmy mouse	*Baiomys taylori*
Northern yellow bat	*Lasiurus intermedius*
Nutria	*Myocastor coypus*
Plains harvest mouse	*Reithrodontomys montanus*
Prairie vole	*Microtus ochrogaster*
Rafinesque's big-eared bat	*Corynorhinus rafinesquii*
Red fox	*Vulpes vulpes*
Ringtail	*Bassariscus astutus*
River otter	*Lutra canadensis*
Seminole bat	*Lasiurus seminolus*
Silver-haired bat	*Lasionycteris noctivagans*
Southeastern myotis bat	*Myotis austroriparius*
Southern short-tailed shrew	*Blarina carolinensis*
Striped skunk	*Mephitis mephitis*
Swamp rabbit	*Sylvilagus aquaticus*
Tricolored bat	*Perimyotis subflavus*
Virginia opossum	*Didelphis virginiana*
Western hog-nosed skunk	*Conepatus leuconotus*
White-footed mouse	*Peromyscus leucopus*
White-tailed deer	*Odocoileus virginianus*
Woodland vole	*Microtus pinetorum*

Davis and Schmidly, 1994

2.4.4.9 Recreationally and Commercially Important Species

A species is considered important if one or more of the following criteria applies:

- The species is recreationally or commercially valuable
- The species is endangered or threatened
- The species affects the well-being of some important species within criterion (a) or (b)
- The species is critical to the structure and function of the ecological system

- The species is a biological indicator

Wildlife resources can generally be categorized as consumptive (fishing, hunting, trapping, etc.) and non-consumptive (photography, bird watching, etc.). Several species of mammals, fish, and birds in the study area have consumptive value, while all may be considered to hold non-consumptive value. Primary consumptive value species in the general vicinity include white-tailed deer, mourning dove, scaled quail, white-winged dove, wild turkey, and several migratory duck species. The white-tailed deer is generally considered the most economically important mammal in Texas (Schmidly, 2004), due to the popularity of big game hunting. Additionally, several species are considered recreationally or commercially valuable for wildlife viewing opportunities, including many of the species listed in this section.

Recreational fishing opportunities are present in the study area; however, due to the lack of perennial waterways, no commercial fishing opportunities are present within the study area. Common recreational fish species in the region include largemouth bass, white crappie, channel catfish, flathead catfish, and sunfish species.

2.4.4.10 Threatened and Endangered Species

This section assesses the potential for the proposed Project to adversely affect any of the listed threatened and endangered (T&E) species considered by USFWS and TPWD as having the potential to occur in Montgomery County. The analysis for this section includes a review of TPWD's TXNDD, including a review of maps and Element Occurrence Records (EOR). The potential for the presence of special status species is described in the following sections.

Available information from the USFWS (2023a), TPWD (2023), and TPWD's NDD (TPWD, 2023d) was reviewed to identify endangered or threatened species of potential occurrence within the study area. Currently, 59 species are listed by the USFWS and TPWD as threatened, endangered, or Species of Greatest Conservation Need (SGCN) in Montgomery County. Of the 59 listed species, there are two federally endangered, four federally threatened, two state endangered, 15 state threatened, and 44 state SGCN. State and federally listed species are further described in **Table 2.15** below.

Table 2.15 Federally and State-Listed Threatened, Endangered, and Special Status Species that Potentially Occur in Montgomery County, Texas

Common Name	Scientific Name[b]	Federal Status (USFWS)	State Status (TPWD)[c]	Potential for Occurrence in Study Area
Amphibians				
Spotted Dusky Salamander	*Desmognathus conanti*	---	SGCN	No
Gulf Coast Waterdog	*Necturus beyeri*	---	SGCN	No
Woodhouse's Toad	*Anaxyrus woodhousii*	---	SGCN	Yes
Strecker's Chorus Frog	*Pseudacris streckeri*	---	SGCN	Yes
Southern Crawfish Frog	*Lithobates areolatus areolatus*	---	SGCN	Yes
Birds				
White-Faced Ibis	*Plegadis chihi*	---	Threatened	No
Wood Stork	*Mycteria americana*	---	Threatened	No
Swallow-Tailed Kite	*Elanoides forficatus*	---	Threatened	No
Bald Eagle	*Haliaeetus leucocephalus*	---	SGCN	Yes
Black Rail	*Laterallus jamaicensis*	Threatened	Threatened	No
Whooping Crane	*Grus americana*	---	Endangered	No
Piping Plover	*Charadrius melodus*	Threatened	Threatened	No
Rufa Red Knot	*Calidris canutus rufa*	Threatened	Threatened	No
Franklin's Gull	*Leucophaeus pipixcan*	---	SGCN	No
Western Burrowing Owl	*Athene cunicularia hypugaea*	---	SGCN	No
Red-Cockaded Woodpecker	*Dryobates borealis*	Endangered	Endangered	No
Sprague's Pipit	*Anthus spragueii*		SGCN	No
Fish				
Mississippi Silvery Minnow	*Hybognathus nuchalis*	---	SGCN	No
Blackspot Shiner	*Notropis atrocaudalis*	---	SGCN	No

Table 2.15 Federally and State-Listed Threatened, Endangered, and Special Status Species that Potentially Occur in Montgomery County, Texas

Common Name	Scientific Name[b]	Federal Status (USFWS)	State Status (TPWD)[c]	Potential for Occurrence in Study Area
Chub Shiner	*Notropis potteri*	---	Threatened	Yes
Sabine Shiner	*Notropis sabinae*	---	SGCN	Yes
Western Creek Chubsucker	*Erimyzon claviformis*	---	Threatened	Yes
Mammals				
Southeastern Myotis Bat	*Myotis austroriparius*	---	SGCN	Maybe
Tricolored Bat	*Perimyotis subflavus*	---	SGCN	Yes
Big Brown Bat	*Eptesicus fuscus*	---	SGCN	Yes
Eastern Red Bat	*Lasiurus borealis*	---	SGCN	Yes
Hoary Bat	*Lasiurus cinereus*	---	SGCN	Yes
Northern Yellow Bat	*Lasiurus intermedius*	---	SGCN	No
Rafinesque's Big-Eared Bat	*Corynorhinus rafinesquii*	---	Threatened	Yes
Big Free-Tailed Bat	*Nyctinomops macrotis*	---	SGCN	No
Swamp Rabbit	*Sylvilagus aquaticus*	---	SGCN	Yes
Muskrat	*Ondatra zibethicus*	---	SGCN	Yes
Louisiana Black Bear	*Ursus americanus luteolus*	---	Threatened	No
Long-Tailed Weasel	*Mustela frenata*	---	SGCN	Yes
Eastern Spotted Skunk	*Spilogale putorius*	---	SGCN	Yes
Western Hog-Nosed Skunk	*Conepatus leuconotus*	---	SGCN	No
Mountain Lion	*Puma concolor*	---	SGCN	No
Reptiles				
Alligator Snapping Turtle	*Macrochelys temminckii*	Proposed Threatened	Threatened	Yes
Western Chicken Turtle	*Deirochelys reticularia miaria*	---	SGCN	Yes

Table 2.15 Federally and State-Listed Threatened, Endangered, and Special Status Species that Potentially Occur in Montgomery County, Texas

Common Name	Scientific Name[b]	Federal Status (USFWS)	State Status (TPWD)[c]	Potential for Occurrence in Study Area
Eastern Box Turtle	*Terrapene carolina*	---	SGCN	Yes
Western Box Turtle	*Terrapene ornata*	---	SGCN	Yes
Smooth Softshell	*Apalone mutica*	---	SGCN	No
Slender Glass Lizard	*Ophisaurus attenuatus*	---	SGCN	Yes
Texas Horned Lizard	*Phrynosoma cornutum*	---	Threatened	No
Louisiana Pine Snake	*Pituophis ruthveni*	---	Threatened	No
Timber (Canebrake) Rattlesnake	*Crotalus horridus*	---	SGCN	Yes
Pygmy Rattlesnake	*Sistrurus miliarius*	---	SGCN	Yes
Crustaceans				
Houston Burrowing Crayfish	*Fallicambarus houstonensis*	---	SGCN	Yes
Insects				
No Accepted Common Name	*Tricorythodes curvatus*	---	SGCN	Yes
American Bumblebee	*Bombus pensylvanicus*	---	SGCN	Yes
Texas Emerald Dragonfly	*Somatochlora margarita*	---	SGCN	No
Mollusks				
Sandbank Pocketbook	*Lampsilis satura*	---	Threatened	Yes
Louisiana Pigtoe	*Pleurobema riddellii*	---	Threatened	No
Plants				
Heller's Marbleseed	*Onosmodium helleri*	---	SGCN	No
Bristle Nailwort	*Paronychia setacea*	---	SGCN	No
Panicled Indigobush	*Amorpha paniculata*	---	SGCN	No
Wright's Milkvetch	*Astragalus wrightii*	---	SGCN	No

Table 2.15 Federally and State-Listed Threatened, Endangered, and Special Status Species that Potentially Occur in Montgomery County, Texas

Common Name	Scientific Name[b]	Federal Status (USFWS)	State Status (TPWD)[c]	Potential for Occurrence in Study Area
Correll's False Dragon-Head	*Physostegia correllii*	---	SGCN	No
Texas Sandmint	*Rhododon ciliatus*	---	SGCN	No

(a) According to USFWS (2023a) and TPWD (2023c, 2023d)

(b) Nomenclature follows Manning et al. (2008), Crother et al. (2012), Chesser et al. (2018), USFWS (2018a), and TPWD (2018c)

(c) SGCN = Species of Greatest Conservation Need (TPWD, 2023a)

(d) Only expected to occur as a migrant, transient, or rare vagrant within the study area.

Federally Listed Threatened and Endangered Species

According to the IPaC Official Species List (USFWS, 2023a) there are four federally listed threatened and endangered species, one proposed threatened species, and one candidate species with potential to occur in the study area, including the federally listed Piping Plover, Red Knot, Black Rail, and Red-cockaded Woodpecker. Based on the existing conditions, suitable habitat is not present for any of the federally listed T&E species within the study area (USFWS, 2023; TPWD, 2023). Potential habitat is present within the study area for the proposed threatened alligator snapping turtle and candidate species monarch butterfly. Proposed threatened and candidate species are not awarded federal protection under the Endangered Species Act. The TXNDD review did not identify EORs for any of the federally listed T&E species within 10 miles of the study area.

Piping Plover and Red Knot

Piping plovers are found along beaches, sandflats, and dunes along the Gulf Coast and adjacent offshore islands and spoil islands in the Intracoastal Waterway. Sand flats and algal flats are preferred, but beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Optimal habitat characteristics include large areas, sparse vegetation, continuously available habitat or near secondary habitats, and limited human disturbance. Red knots are located primarily along seacoasts with sandy beaches, herbaceous wetlands, tidal flat/shore. They are also known to occur on outer coastal and barrier beaches, tidal mudflats, and salt marshes of the Gulf Coast (TPWD, 2023). These two species only need to be considered for wind energy projects.

Black Rail

Black rail is an elusive species that require dense vegetation cover typically less than one meter and height and has saturated or very shallow water (1 to 6 centimeters). They generally live in salt or brackish marshes or within freshwater habitats of cattails (*Typha spp.*) or soft-stemmed bulrush (*Schoenoplectus tabernaemontani)*. Black rails feed on aquatic insects, snails, crustaceans, and aquatic plants. In Texas, breeding and nesting begins in March and nests are found along dense clumps of vegetation along salt marshes. Potential habitat is not located within the study area (USFWS, 2020a).

Red-cockaded Woodpecker

Red-cockaded woodpeckers are cavity nesting woodpeckers that excavate their cavities from living pine trees that are typically 60 plus years old with open or low understories. They prefer longleaf, shortleaf, and loblolly pine stands and forage in younger pine stands (approximately 30 years old). Suitable habitat is a minimum of 10-60 continuous acres of the pine stands listed above, but territories for a group of woodpeckers range from 125 to 200 acres. Potential habitat is not located within the study area (USFWS, 2020a).

Alligator Snapping Turtle

Alligator snapping turtles are highly aquatic and are rarely found out of water, except for females during nesting. They are generally associated with deeper waters including large rivers, major tributaries, small streams, bayous, canals, swamps, lakes, reservoirs, ponds, and oxbows.

Alligator snapping turtles occupy shallower waters in early summer and move to deeper depths in late summer and mid-winter. Hatchling and juveniles also tend to occupy shallower waters. Alligator snapping turtles tend to be associated with structures such as tree root masses, stumps, submerged trees, and may occupy areas with a high percentage of canopy cover or undercut stream banks. Alligator snapping turtles do not appear to be particularly selective about nest sites but may avoid low forested areas with dense leaf litter and root mats, and open sand bars. Nests have been found as far as 656 feet (200 meters) away from the nearest water. (USFWS, 2021). Potential habitat is located within the study area.

Monarch butterfly

Monarch butterflies are a migratory species that utilize a variety of habitat types. Except for a non-migratory population in Florida, monarch butterflies in eastern North America (i.e., east of the Rocky Mountains) travel north in the spring from overwintering areas in Mexico to summer breeding areas as far north as Canada, typically over two to three successive generations, breeding along the way. In the fall, monarch butterflies migrate back to southern overwintering grounds. Depending on environmental conditions, eastern North American monarchs may require up to five generations to complete their annual migration cycle. During migration and breeding, adults depend on a diversity of blooming nectar resources (e.g., wildflowers) for feeding. Native milkweeds (primarily *Asclepias spp*.) are obligate host plants for egg-laying and feeding during the larval life stage. In the southwestern states, migrating monarchs tend to occur more frequently near water sources such as rivers, creeks, roadside ditches, and irrigated canals. Critical habitat has not been proposed or designated for monarch butterflies. (USFWS, 2020b). Potential habitat is located within the study area.

Critical Habitat

The USFWS, in Section 3(5)(A) of the ESA, defines critical habitat as: "(i) the specific areas within the geographical area occupied by the species, at the time that it is listed in accordance with the ESA, on which are found those physical or biological features (I) essential to the conservation of the species and (II) which may require special management considerations or protection; and (ii) specific areas outside the geographical area occupied by a species at the time it is listed in accordance with the ESA, upon a determination by the Secretary of the Interior that such areas are essential for the conservation of the species." (USFWS, 1973)

The IPaC provided by USFWS constitutes the official coordination documentation with the USFWS. The IPaC revealed that no critical habitat has been designated in the study area for any species included under the ESA.

State-Listed Threatened and Endangered Species

Seventeen state-listed T&E species are listed that have the potential to occur within the proposed study area. The TPWD TXNDD data was reviewed and did not indicate any known occurrences of threatened, endangered, or species of concern within the study area. It should be noted that the TPWD TXNDD data lists is not substituted as presence/absence survey data, but it is used during this study as an indication of whether the listed species has previously occurred within the study area. Within 10 miles of the proposed study area, the TXNDD review identified EORs for the Sabine shiner *(Notropis sabinae),* blackspot shiner *(Notropis atrocaudalis),* bald eagle

(Haliaeetus leucocephalus), eastern spotted skunk *(Spilogale putorius),* and the southern crawfish frog *(Lithobates areolatus*). Potential habitat for the Sabine shiner consists of small streams and large rivers from the San Jacinto drainage northward along the Gulf Coast with shallow, moving water and fine, silt free sand substate. Blackspot shiners occur in small to moderate size tributary streams in runs and pools associated with the lower Brazos River to the Sabine River drainage. Bald eagles occur primarily near rivers and large lakes, choosing to nest in tall trees or on cliffs near water. The eastern spotted skunk prefers wooded brushy areas and tallgrass prairies, but has the potential to occur in open fields, croplands, fence rows, roadsides, farmyards, and forest edges. All the listed species of special concern have the potential to occur with the study area if suitable habitat is present.

Sensitive Plant Communities

The Montgomery County listings for federal and state listed species were obtained from the USFWS and TPWD (USFWS 2023; TPWD 2022). Additionally, the TPWD also lists plants that are rare, but not afforded any regulatory protection. The TPWD also maintains the TPWD TXNDD database that contains federal and state listed species occurrences for each county within the state. The TPWD TXNDD data is not substituted for presence absence of survey data but provides an indication of whether the species of concern has occurred within the study area.

A review of these data lists indicated five plant species whose communities are considered valuable or at risk due to habitat alteration. Within 10 miles of the proposed study area, the TXNDD review identified EORs for the Panicled indigobush *(Amorpha paniculata),* Heller's marbleseed (*Onosmodium helleri*), Houston daisy (*Rayjacksonia aurea*), Texas prairie dawn (*Hymenoxys texana*), and the Texas windmill grass (*Chloris texensis*). None of these species are considered threatened or endangered at the state or federal level for Montgomery County. Houston daisy, Texas prairie dawn, and Texas windmill grass have similar habitat which occurs in prairies with clay or sandy loam soils and sometimes on barren land or pimple mounds. Both the Houston daisy and Texas windmill grass may also occur along roadsides. The Heller's marbleseed and panicled indigobush are both woodland species, where the Heller's marbleseed occurs in loamy calcareous soils in oak woodlands on rocky limestone slopes and the panicled indigobush prefers acid seep forests, peat bogs, and wet floodplain forests. Forested habitat near the study area may be considered suitable habitat for both of these species.

3.0 PROPOSED ALTERNATIVE ROUTE IDENTIFICATION

3.1 ROUTING STUDY METHODOLOGY

This section describes the methods and assumptions that were used to conduct the routing study for the Project. The siting process identifies economical and technically feasible transmission line routes that aim to reduce the overall impacts on land use, ecological communities, and cultural features. To do this, the siting process uses current, available data gathered from various public sources and commercial providers. This is supplemented through field evaluations by the Routing Team. Once relevant data is gathered and once relevant criteria are established, the study area is focused into a series of corridors, refined into routes, and then those routes are compared to select the best technically feasible routes with the least overall impacts on known land use, cultural and ecological features, based on a qualitative and quantitative review. The result of this process is a comprehensive assessment of the Project Area and preliminary transmission line routes.

3.1.1 Base Map Development

A Project base map was prepared at a scale of 1:6,000. The base map is a single sheet covering the area between the study area boundaries and was used to initially display resource data for the study area. Resource data categories and factors were determined appropriate within the study area were selected and mapped.

Data displayed on the base map include:

- Major land jurisdictions and use
- Major roads (including county roads and state highways)
- Existing transmission lines and pipelines
- Major political subdivision boundaries
- Lakes, reservoirs, and ponds
- 100-Year Floodplains and Regulatory Floodways
- Communication Towers
- Schools, Fire/EMS Stations, and Cemeteries
- Tax Parcels

The base map provides a broad overview of various resource locations indicating obvious routing constraints and areas of potential routing opportunities.

3.1.2 Study Area Delineation

The study area for the Project was developed through review of the geography and physiography of the area, and the multiple proposed Project end points. The review identified the large-scale opportunities and limitations (or constraints) throughout the area. The review included physiographic, land use, vegetative, and ecological characteristics, transportation, and public

utilities. The following summary describes how the relevant routing data was constituted as an opportunity or a constraint, and how important that data was compared to the other data used.

3.1.3 Evaluation Criteria

Evaluation criteria were developed and based on the initial study area characteristics review, likely permitting/regulatory needs, and technical requirements. Emphasis was placed on acquiring information identified in Section 37.056(c)(4)(A)-(D) of PURA, the PUC CCN application, and PUC Substantive Rule 25.101. Evaluation criteria were further refined based on data collection, reconnaissance surveys and agency and public input. The routing activities were conducted with consideration and incorporation of the evaluation criteria. Routing activities included data collection, reconnaissance surveys, resource analysis, identification of routing opportunities and constraints and identification of the preliminary transmission line segments. Evaluation criteria data were collected, mapped, tabulated, and analyzed (Section 4.0) for each resulting proposed alternative route and ultimately used as a basis for the comparison of the proposed alternative routes and the selection of the proposed alternative routes that best meet the requirements under PURA and PUC rules (Section 5.0).

Table 3.1 Land Use and Environmental Evaluation Criteria

LAND USE
Length of route (feet)
Length of route (miles)
Number of directly affected habitable structures within 300 feet of route centerline
Number of directly affected habitable structures also within 300 feet of an existing transmission line
Length of route using existing transmission line easement
Length of route parallel to existing transmission line ROW
Length of route not utilizing/paralleling existing transmission line ROW
Length of new ROW required for route
Length of route paralleling apparent property lines (or other natural or cultural features)[2]
Length of route parallel to other existing ROW (roadways, railways, canals, etc.)
Length of route not parallel to railroad ROW, apparent property lines, or other existing ROW (roadways, railways, canals, etc.)
Percent of route parallel with apparent features (existing ROWs or property lines)
Length of route across parks/recreational areas

Table 3.1 Land Use and Environmental Evaluation Criteria

Number of additional parks/recreational areas within 1,000 feet of route centerline
Length of route across agricultural land/cropland
Length of route across pastureland
Length of route across mobile irrigated cropland or pastureland
Length of route parallel to existing pipeline ROW
Number of pipeline crossings
Number of transmission line crossings
Number of US and state highway crossings
Number of FM road crossings
Number of local road crossings
Number of heliports within 5,000 feet of route centerline
Number of private airstrips within 10,000 feet of route centerline
Number of FAA-listed airports within 10,000 feet of route centerline having no runway more than 3,200 feet
Number of FAA-listed airports[within 20,000 feet of route centerline having at least one runway more than 3,200 feet
Number of commercial AM radio transmitters within 10,000 feet of route centerline
Number of FM radio transmitters, microwave relay stations, and other electronic installations etc. within 2,000 feet of route centerline
Number of water wells within the ROW
Number of oil and gas wells within the ROW
AESTHETICS
Estimated length of route within foreground visual zone of US and state highways
Estimated length of route within foreground visual zone of FM and county roads
Estimated length of route within foreground visual zone of park and recreational areas

Table 3.1 Land Use and Environmental Evaluation Criteria

ECOLOGY
Length of route across upland woodlands
Length of route across bottomland/riparian woodlands
Length of route across National Wetland Inventory mapped wetlands
Length of route across critical habitat of federal threatened or endangered species of plants or animals
Length of route across open water (lakes or ponds)
Number of stream and canal crossings
Length of route parallel to streams within 100 feet of route centerline
Length of route across 100-year floodplains
CULTURAL RESOURCES
Number of cemeteries within 1,000 feet of the route centerline
Number of recorded historical or archeological sites crossed within ROW
Number of additional recorded historical or archeological sites within 1,000 feet of route centerline
Number of National Register of Historic Places listed or determined-eligible properties within ROW
Number of additional National of Register Historic Places listed or determined-eligible properties within 1,000 feet of route centerline
Length of route across areas of high archeological/historic site potential

3.2 DATA COLLECTION AND CONSTRAINTS MAPPING

After study area boundaries were identified, data collection and constraint mapping were complete. Available GIS data was collected on the opportunity and constraints discussed above and mapped to identify existing conditions of the area and to determine any potential conflicts.

Additionally, project scoping letters were sent via email and USPS mail to potentially interested regulatory agencies, elected officials, and organizations to provide an opportunity to provide information regarding sensitive resources and potential issues within the study area. Copies of project scoping letters are included in **Appendix A**.

Federal, state, and local agencies and officials contacted include:

- Department of Defense (DoD)
- USACE Galveston District
- US EPA, Region 6
- US Geological Survey
- US Fish and Wildlife Service (USFWS)
- Federal Aviation Administration
- NRCS Texas State Office
- US Federal Government
- FEMA
- TCEQ
- TxDOT Eliza Paul, P.E., District Engineer
- TxDOT Mr. Carlos Swonke, P.G., Dir. of Environmental Affairs Division
- THC
- Texas Land Trust Council
- TX General Land Office
- TPWD
- NRCS
- TX Water Development Board
- Railroad Commission of Texas
- TxDOT, Transportation Planning and Programming
- TxDOT, Aviation Division
- TX State Rep; The Honorable Brandon Creighton
- TX State Rep; Rep. Steve Toth, District 15
- TX State Rep; Rep. Cecil Bell, District 3
- City of Tomball – Lori Klein Quinn – Mayor
- City of Tomball - Planning and Zoning Commission Jared Smith – City Planner
- City of Magnolia, Don Doering – City Administrator
- City of Magnolia Todd Kana – Mayor
- The Woodlands Township
- Montgomery County Judge Mark J. Keough,
- Montgomery County Commissioner Charlie Riley
- Montgomery County Commissioner James Noack

- San Jacinto River Authority Montgomery County Floodplain Administrator Montgomery County – County Engineer
- Montgomery County/TCEQ FEMA
- Conroe Independent School District
- Magnolia Independent School District
- Houston-Galveston Area Council
- Tomball Independent School District
- Piney Woods Wildlife Society
- Bayou Land Conservancy
- Friends of Texas Wildlife
- Montgomery County Historical Commission

3.2.1 Land Use

Land use was reviewed during the criteria analysis to determine impacts preliminary transmission line routes may have on resources. The study area is largely urban and residential, therefore, likely habitable structures were significant constraints that were weighted highly and relative to the distance from the preliminary transmission line routes. Likely habitable structures within 40 feet were weighted 10, and within 100 feet weighted 7. The number of likely habitable structures within 40 feet ranged from 0 to 2. The number of parcels was similarly weighted at 7.

Existing utilities and transportation were evaluated in the land use category. Crossings and paralleling of transmission lines, pipelines, highways, and local roads were evaluated. Paralleling existing transmission lines is a highly desirable opportunity (weighted 9) as they provide existing pathways through terrain, reduce habitat fragmentation, have less visual impact, and are often preferred by landowners. No opportunities for paralleling pipelines (gathering, distribution, or transmission) or highways were identified within the study area. Paralleling local roads was a medium-high weighted opportunity (6). Crossings of existing utilities and transportation are constraints and weighted 6-8.

No heliports within 5,000 feet, no private airstrips within 10,000 feet, no FAA-listed airports within 10,000 feet of route centerline having no runway more than 3,200 feet, nor FAA-listed airports within 20,000 feet of route centerline having at least one runway more than 3,200 feet were identified in the study area.

Forested land was identified as a major land use/land cover in the study area. Tree clearing required for the Project is discussed below. Agricultural land was also evaluated at a weight of 5.

3.2.2 Recreational and Park Areas

No recreational or park areas are mapped within the study area; therefore, no specific sensitivity rating was developed for recreational and park areas.

3.2.3 Historical and Aesthetic Values

No previously recorded NRHP properties or SALs are present within the study area; therefore, no direct impacts resulting from the construction of the proposed Project on historic structures 50 years or older is expected. Historic topographic maps show over 50 historic structures within the study area; however, given that the study area is within an urban setting that has already been compromised by previous transmission and utility line construction, adverse, indirect effects on existing historic structures are not likely to cause an adverse effect on historic resources. For these reasons, existing historic structures within or adjacent to the study area are considered a low constraint and rated as a 3.

The results of the desktop review did not show any previously recorded NRHP properties or SALs present within the study area; although, five archaeological sites within the study area have not been assessed for listing in the NRHP or SAL designation. Existing sites within and adjacent to the study area have not been assessed for NRHP eligibility and are considered a medium constraint and rated as a 4.

Avoidance is recommended for the Oklahoma Cemetery, Pate Cemetery, and John English Cemetery located within the study area. Existing cemeteries within and directly adjacent to the study area are considered a highly important constraint and rated as 9.

As noted above, the study area is located within an urban setting that has already been compromised by human development. No known high quality aesthetic resources have been identified to be in the visual foreground zone.

3.2.4 Physiography, Geology and Soils

No significant or unique physiographic, geologic, or soil resources were identified within the study area; therefore, no specific sensitivity rating were developed for these resources. Such resources were reviewed to determine if specific ecological resources or habitats were located within the study area.

3.2.5 Water Resources

The following water resources were reviewed during the constraints analysis to determine the amount of impacts a specific alignment alternative may have on each resource.

Stream Crossings: Each stream crossing should be assessed individually; however, streams/waterways in the study area are typically smaller perennial waterways and/or intermittent or ephemeral waterways. Transmission lines can typically be designed to span these waterways with minimal impacts, and routes were avoided that closely paralleled streams. For that reason, streams were weighted as a 3 as a low importance constraint.

National Wetland Inventory:

PFO Wetlands: These are forested wetlands that would be permanently impacted if trees are removed for the construction of a transmission line. Trees would be removed for safety and reliability reasons within the Project ROW. A USACE permit would be required for impacts to PFO wetlands. For these reasons, PFO wetlands were weighted a 9 as a highly important constraint.

***PSS Wetlands*:** PSS wetlands are scrub/shrub wetlands that may require a USACE permit if permanent impacts are required for the construction of a transmission line. If impacts are deemed temporary, a USACE permit may not be required for impacts to PSS wetlands. Unless a footing is required impacts to PSS wetlands for transmission line construction may be considered temporary. For these reasons, PSS wetlands were weighted a 6 as a medium important constraint.

PEM Wetlands: PEM wetlands are emergent wetlands that may require a USACE permit if permanent impacts are required for the construction of a transmission line. If impacts are deemed temporary, a USACE permit may not be required for impacts to PEM wetlands. Unless a footing is required impacts to PEM wetlands for transmission line construction are typically temporary. For these reasons, PEM wetlands were weighted a 5 as a medium importance constraint.

Hydric Soils: Hydric soils are one of the three required characteristics for an area to meet the criteria of a wetland; therefore, areas mapped as predominantly hydric soils are considered in conjunction with NWI wetlands as an indicator of the potential for a wetland to be present. Hydric soils were therefore considered a medium constraint and weighted as a 4.

FEMA 100-year Floodplain*:* Construction of transmission lines would typically have no adverse effect on the 100-year floodplain as they can be designed to avoid or span the 100-year floodplain. In some instances, the 100-year floodplain cannot be avoided and spanned, and fill may be required for footings which would require additional county level permitting. For that reason, the 100-year floodplain is weighted a 5 as a medium constraint.

3.2.6 Ecological Resources

The following ecological resources were reviewed during the constraints analysis to determine the amount of impacts a specific alignment alternative may have on each resource.

Water Resources: The water resources discussed in Section 5.4.5 were also used as constraints for ecological resources as many of these same areas provide species habitat including streams, wetlands, floodplains, and the riparian buffers associated with these areas. Such water resources constraints range from low to high importance and have weighted criteria from 3-9.

Tree Clearing: Tree clearing is necessary for the construction of transmission lines; however, whenever tree clearing occurs there is potential wildlife and T&E species habitat loss. For this reason, tree clearing is considered a medium importance constraint and weighted as a 6.

***Critical Habitat*:** No critical habitat for federally listed species was determined along any of the proposed alignment alternatives; therefore, critical habitat has no impact on the decision-making process.

3.3 RECONNAISSANCE SURVEYS

TRC personnel conducted a windshield review of the Study Area on December 7, 2022 to confirm the findings of the desktop research and data collection activities and to identify potential unknown constraints that may not have been previously noted. The review was limited to visual observations conducted from public roads and existing public ROWs located within the Study Area. The reconnaissance noted progression in the development of several residential subdivisions and identified a cell tower previously not identified from aerial imagery.

3.4 RESOURCE ANALYIS

The study area was reviewed to identify relevant resources and representative criteria and how each resource might be affected (i.e. each resources' sensitivity) by the Project. Once the relevant resources were identified, each resource was assigned a designation of either constraint (resources to be avoided or minimized) or opportunity (resources or land uses to be favored) and a weight reflecting the importance or sensitivity of that criteria. A weighting factor of 1 (least important) to 10 (most important) was used . The following sections (3.5.1 through 3.5.6) describe how sensitivity criteria were developed, and what score each criterion was assigned.

3.5 OPPORTUNITIES AND CONSTRAINTS EVALUATION

3.5.1 Existing Linear Corridors

TRC identified existing linear corridor features as potential paralleling opportunities in accordance with the provisions of PUC Substantive Rule 25.101. Apparent property boundaries, roadways, existing transmission lines, and existing pipeline ROWs were evaluated for potential paralleling opportunities.

3.5.1.1 Apparent Property Boundaries

Apparent property boundaries and fence lines were initially identified on existing aerial imagery. These potential paralleling opportunities were refined by reviewing by county parcel data.

3.5.1.2 Roadway ROWs

Local roads including, Hardin Store Road and Dobbin-Huffsmith Road, were evaluated for paralleling opportunities. However, multiple occurrences of development and habitable structures are also located or planned along local roads.

3.5.1.3 Existing Transmission Line ROWs

Two operational electric transmission lines (138kV and 345kV) owned by CenterPoint Energy and operated by CenterPoint Houston Electric, LLC are located within the southwestern part of the study area. Nodes A, A1, B, and C begin at different points along the 138kV transmission line and the 345kV transmission line crosses preliminary transmission line route segments A2, B, C, and XX.

3.5.1.4 Existing Pipeline ROWs

Several existing oil and gas facilities are present in the southwestern portion of the study area near the proposed Mill Creek Substation. The oil pipelines include four operational crude oil pipelines, which are owned and operated by different companies (Enterprise Products Partners, LP/Energy Transfer, LP, BP Pipelines (North America), Inc., Omers Energy Inc. (50)/Magellan Midstream Partners LP (30)/Plains All American Pipeline, LP (20), and Energy Transfer, LP), two of which intersect line segments P, I, and F2 and the others which cross line segments C, B, A2, and XX, each approaching from the northeast. One non-operational, near potential Substation locations A and C, and one refined petroleum pipeline, which passes through line segments W, PP, and U from the northeast.

Natural gas pipelines mapped within the study area include one distributional natural gas pipeline near Burlington Northern Santa Fe Street, an operational transmission natural gas pipeline found

on the edge of the northeast boundary. An abandoned natural gas well and one dry well were mapped in the study area.

3.5.2 Transportation/Aviation/Utilities

Transportation: A state highway and local roadways surround the study area. Texas State Highway 249 is a north-south highway in Southeast Texas that runs west of the study area. Two operational railroads that pass over the study area on the southwestern section are owned and operated by Burlington Northern and Union Pacific Railroad Company.

Aviation: No airports are present within the study area. The closest airport to the study area is the David Wayne Hooks Memorial Airport which is a regional airport that is approximately 5.7 miles southeast of the study area.

3.6 PROPOSED ALTERNATIVE ROUTE IDENTIFICATION

CenterPoint Energy and TRC identified three alternate Substation sites (A, B, and C) with 51 segments connecting the proposed Substation sites to three project tie-in locations (Nodes A, B, and C). After the public meeting on December 15, 2022 (discussed further in section 3.6.2), an additional tie-in location was added (Node A1), bringing the total tie-in locations to four. The Nodes A, B, and C tie into the existing CenterPoint Energy 138kV transmission line.

3.6.1 Preliminary Transmission Line Segments

Preliminary route segments were placed based on a combination of review of aerial photography, topographic maps, and the mapped opportunity and constraint data. The intent when placing these routes was to follow parcel boundaries without resulting in excessive sharp turns and, where practical, to follow existing developed corridors such as roads and existing transmission/distribution lines while avoiding identified constraints, including residences, wetlands, and forested areas. Additionally, it was TRC's intent to provide reasonable and geographically diverse route segments.

The following general siting preferences were used when selecting preliminary transmission line routes/segments.

- The segments must connect to one of the four proposed western endpoints (Nodes A, A1, B, or C), and one of the three proposed eastern endpoints (Sub A, B, or C).
- In built-up areas favor commercial and industrial land use over residential land use.
- Generally, try to avoid/minimize identified constraints and maximize opportunities.
- Opportunities include roads, railroads, existing transmission, property lines, pipeline ROW and vacant land.
- Avoid/minimize crossing over existing HV Transmission Lines.
- Avoid/minimize making excessive turns that require more expensive angle structures. Angles must be under 90 degrees while maintaining forward progression.
- Avoid/minimize environmentally sensitive areas including floodplains and wetlands.

The dominant siting constraint in the Project Area was the built-up, dense residential area of the Project. Each segment was evaluated according to the criteria table developed by the Routing Team, and discussed to identify potential problems from a constructability, environmental, and real estate perspective, among other key considerations. In many cases, a series of segments was compared to an alternative series that provided alternate pathways to connect the same points. These were compared and the series with the least impact was retained. This operation was performed for all the initial segments until a refined segment group was developed that avoided duplication and maximized opportunities. These refined segments were combined to develop preliminary transmission line routes.

Segments were retired if:

- They passed through constraints that were considered high impact and there were alternatives that offered a less impactful path.
- There were shorter alternatives.
- There were alternatives with fewer turns or other technical challenges.
- Generally, segments that did not follow property boundary lines or existing infrastructure were dropped as they presented few advantages while crossing more private property and more wooded areas.

The preliminary transmission line segments were mapped with land use, constructability, and environmental constraint data and were presented at the public meeting (**Figure 3.1**) and are described in **Table 3.2**.

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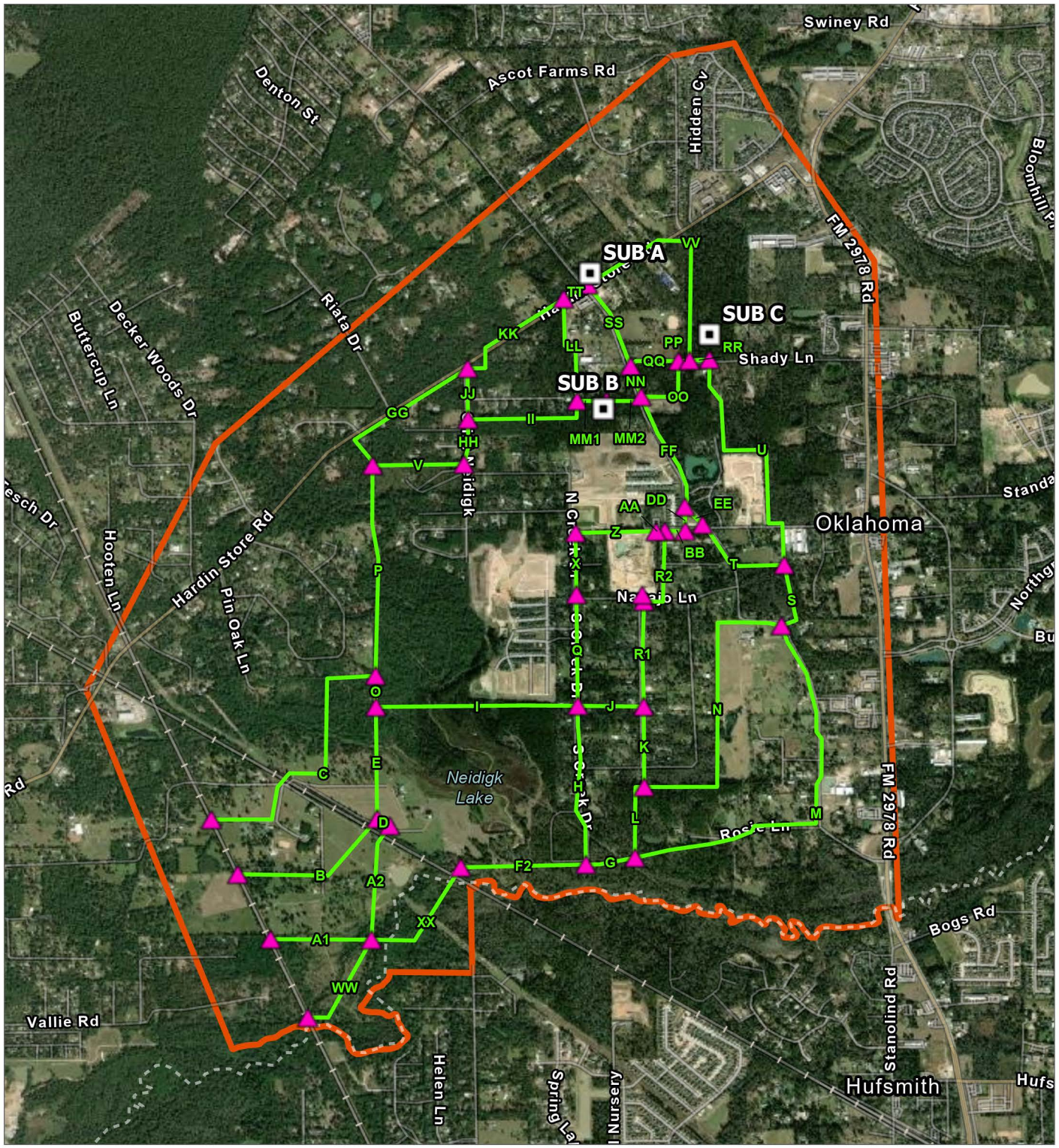

POTENTIAL SUBSTATION LOCATIONS
SEGMENT NODE
ROUTE SEGMENTS
STUDY AREA
COUNTY BOUNDARY

BASE MAP: ESRI IMAGERY HYBRID
DATA SOURCES: TRC, ESRI

0 1,000 2,000
FEET
1:35,000

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE:
PRELIMINARY TRANSMISSION LINE SEGMENTS

DRAWN BY:	J. YOUNG	PROJ. NO.:	507707.0000
CHECKED BY:	D. SWEENEY		
APPROVED BY:	H. EFFLER		FIGURE 3.1
DATE:	APRIL 2023		

TRC
14701 ST. MARY'S LANE
SUITE 500
HOUSTON, TX 77079
PHONE: 713.244.1000

FILE: MILL_CREEK_EA_MAPPING

COORDINATE SYSTEM: GCS WGS 1984; MAP ROTATION: 0
...SAVED BY: JRYOUNG ON 4/4/2023, 10:40:00 AM; FILE PATH: T:\ARCGISPRO\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL_CREEK_EA_MAPPING.APRX; LAYOUT NAME: PRELIM_TRANSMISSION

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Table 3.2 Descriptions of Preliminary Transmission Line Segments

Segment ID	Description
A1	Segment A1 begins at Segment Node A, at an operational 138kV transmission line and runs east along property lines. Segment A1 then terminates where Segments Node A2, where Segments A1, A2, WW, and XX intersect.
A2	Segment A2 begins at Segment Node A2 which is the intersection of Segments A1, A2, WW, and XX and runs north along property lines crossing perpendicular to two operational Crude Oil transmission lines (one owned by Energy Transfer, LP and the other is owned by Omers Energy Inc. (50)/Magellan Midstream Partners LP (30)/Plains All American Pipeline, LP (20)), and one 345kV operational transmission lines owned by CenterPoint Energy. After approximately 0.37 miles, Segment A2 then takes an angle to the northeast to run perpendicular with the Union Pacific Railroad before terminating at Segment Node E.
AA	Segment AA begins at Segment Node T where Segments AA, Z, and Y2 intersect and runs east along property lines crossing over a NWI Emergent Wetland before terminating at Segment Node S where Segments AA, BB, and RS intersect.
B	Segment B begins at Segment Node B, at an operational 138kV transmission line and runs east along property lines crossing one NWI riverine. After approximately 0.3 miles, Segment B takes a northeast angle where it then crosses two operational Crude Oil transmission lines (one owned by Energy Transfer, LP and the other is owned by Omers Energy Inc. (50)/Magellan Midstream Partners LP (30)/Plains All American Pipeline, LP (20)), and one 345kV operational transmission lines owned by CenterPoint Energy. Segment B runs perpendicular to the Union Pacific Railroad before terminating at Segment Node D where Segments B, D, and E intersect.
BB	Segment BB begins at Segment Node S where Segments AA, BB, and RS intersect and runs east along property lines crossing over a NWI Freshwater Emergent Wetland before terminating at Segment Node R where Segments BB, CC, and DD intersect.
C	Segment C begins at the operational 138kV transmission line and runs east, crossing the NWI riverine. After approximately 0.2 miles, Segment C takes a slight northeast angle where it runs perpendicular to the operational Energy Transfer, LP crude oil transmission line. After approximately 0.12 miles, Segment C takes a sharp northeast angle where it crosses the Omers Energy Inc. (50)/Magellan Midstream Partners LP (30)/Plains All American Pipeline, LP (20) crude oil transmission line, the 345kV operational transmission lines owned by CenterPoint Energy, and the Union Pacific Railroad. After approximately 0.7 miles, Segment C changes direction to the east for approximately 0.13 miles before making a right angle and changing directions to the north where Segment C crosses a NWI Freshwater Emergent wetland. After approximately 0.36 miles, Segment C takes an eastern angle crossing an operational refined petroleum pipeline before terminating at Segment Node L where Segments C, O and P intersect.
D	Segment D begins at Segment Node D which is the intersection of Segments B, D, and E and runs southeast to Segment Node E, which is the intersection of Segments A2, D, and F1.
DD	Segment DD beings at Segment Node R, which is the intersection of Segments BB, CC, and DD. It runs north from Segment Node R crossing Carraway Lane before terminating at Segment Node Q, which is the intersection of Segments DD, EE, and FF.
E	Segment E begins at Segment Node D which is the intersection of Segments B, D, and E. It then runs north along property lines to Segment Node K, which is the intersection of Segments E, I, and O. Segment E crosses Virgie Community Road and two NWI wetlands (one emergent wetland and one a freshwater pond), and one operational refined petroleum pipeline.
EE	Segment EE is a short span connection from Segment Node P, which is the intersection of Segments T, CC, and EE to Segment Node Q, which is the intersection of Segments DD, EE, and FF. Segment EE runs parallel to Dobbin Huffsmith Road.

Table 3.2 Descriptions of Preliminary Transmission Line Segments

Segment ID	Description
F2	Segment F2 begins at Segment Node E1 which is the intersection of Segments F1, F2, and XX and runs east. Segment F2 crosses one NWI Freshwater Forested/Shrub wetland and one NWI Riverine before running perpendicular to two operational transmission crude oil pipelines (one owned by BP and the other owned by Enterprise Products Partners, LP). Segment F2 then terminates at Segment Node F, which is the intersection of Segments G, H, and F2.
FF	Segment FF begins at Segment Node Q which is the intersection of Segments DD, EE, and FF and crosses Dobbin Huffsmith Road before running north parallel to Dobbin Huffsmith Road and along property lines. Segment FF does cross one NWI freshwater emergent wetland before terminating at Segment Node X, which is the intersection for Segments FF, MM, NN, and OO.
G	Segment G begins at Segment Node F where Segments F2, H, and G intersect. It runs east for approximately 0.05 miles before taking a slight angle to the northeast where Segment G crosses a refined petroleum operational transmission line which is owned by Phillips 66(22)/Marathon Petroleum Corporation (26)/Sunoco, Inc. (Energy Transfer Partners, LP) (14)/Shell (38). Segment G then terminates at Segment Node G, which is the intersection of Segments G, L, and M.
GG	Segment GG begins at Segment Node AA which is the intersection of Segments GG, JJ, and KK. It runs southwest along property lines and parallel to Hardin Store Road and crosses one NWI riverine feature. After approximately 0.46 miles, Segment GG takes a southeast angle for approximately 0.1 miles before it runs south and terminates at Segment Node W, which is the intersection of P, V, and GG.
H	Segment H begins at Segment Node F, which is the intersection of Segments H, G, and F2 and runs north, crossing the refined petroleum operational transmission line which is owned by Phillips 66(22)/Marathon Petroleum Corporation (26)/Sunoco, Inc. (Energy Transfer Partners, LP) (14)/Shell 8). Segment H runs along property lines and parallel to South Creek Drive for approximately 0.46 miles before terminating at Segment Node J, which is the intersection of Segments H, I, J, and Q.
HH	Segment HH begins at Segment Node Z, which is the intersection of Segments HH, II, and JJ and runs south along property lines and parallel to the Clint Neidigk roadway. After approximately 0.16 miles, Segment H crosses the Clint Neidigk roadway where it then crosses the Seneca Trail roadway before terminating at Segment Node V, which is the intersection of Segments HH, V, and W.
I	Segment I begins at Segment Node K, which is the intersection of Segments E, I, and O and runs to the east. Segment I runs perpendicular to two operational transmission crude oil pipelines (one owned by BP and the other owned by Enterprise Products Partners, LP). Segment I crosses over three NWI features: one lake, one Freshwater Forested/Shrub Wetland, and one Freshwater Pond before crossing South Creek Drive and terminating at Segment Node J, which is the intersection of Segments H, I, J, and Q.
II	Segment II begins at Segment Node Y, which is the intersection of Segments II, LL, and MM and runs south along property lines for approximately 0.07 miles before turning to the west and terminating at Segment Node Z, which is the intersection of Segments HH, JJ, and II.
J	Segment J begins at Segment Node J, which is the intersection of Segments H, I, J, and Q and runs east along property lines. Segment J then crosses Cherokee Lane and terminates at Segment Node I, which is the intersection of Segments J, K, and R1.
JJ	Segment JJ begins at Segment Node Z, which is the intersection of Segments HH, JJ, and II and runs north along property lines and parallel to Clint Neidigk roadway. Segment JJ then terminates at Segment Node AA, which is at the intersections of Segments GG, KK, and JJ.

Table 3.2 Descriptions of Preliminary Transmission Line Segments

Segment ID	Description
K	Segment K begins at Segment Node I, which is the intersection of Segments J, K and R1 and runs south along property lines and parallel to Cherokee Lane. Segment K crosses two NWI Freshwater Forested/Shrub Wetlands before terminating at Segment Node H, which is the intersection of Segments K, L, and N.
KK	Segment KK begins at Segment Node AA, which is the intersections of Segments GG, KK, and JJ, and runs east for approximately 0.06 miles before turning to the north for approximately 0.08 miles and crossing Hardin Store Road. After crossing Hardin Store Road, Segment KK runs along the edge of property boundaries and Hardin Store Road before terminating at Segment Node GG, which is the intersection of Segments GG, LL, and VV.
L	Segment L begins at Segment Node H, which is the intersection of Segments K, L, and N, and runs along property lines to the west. After approximately 0.03 miles, Segment L takes a right angle to the south and runs along property lines before terminating at Segment Node G, which is the intersections of Segments G, L, and M.
LL	Segment LL begins at Segment Node GG, which is the intersection of Segments KK, LL, and VV. Segment LL crosses Hardin Store Road and runs south along property lines for approximately 0.18 miles before making a right angle and going east for approximately 0.03 miles. Segment LL then makes a second right angle and runs south for approximately 0.2 miles and terminates at Segment Node Y, which is the intersection of Segments II, LL, and MM.
M	Segment M begins at Segment Node G, which is the intersection of Segments G, L, and M and runs east along property lines and parallel to Rosie Lane. After approximately 0.42 miles, Segment M takes a northeast angle and crosses Rosie Lane before running parallel to Rosie Lane for approximately 0.2 miles before taking a right angle to the north where Segment M runs along property lines and parallel to Dobbin-Huffsmith Road. Segment M runs north along Dobbin-Huffsmith Road for approximately 0.15 miles before crossing over Dobbin-Huffsmith Road. After approximately 0.15 miles, Segment M then crosses over Dobbin-Huffsmith Road again and runs for another 0.35 miles north before terminating at Segment Node M, which is the intersection of Segments M, N, and S.
MM1	Segment MM1 begins at Segment Node Y which is the intersection of Segments II, LL, and MM. It runs east along property lines for approximately 0.11 miles before terminating at Segment Node Y1.
MM2	Segment MM2 begins at Segment Node Y1. It then runs east along property lines for approximately 0.11 miles before taking a northeast angle to cross Dobbin Huffsmith Road and terminating at Segment Node X, which is the intersection of Segments FF, MM, and NN.
N	Segment N begins at Segment Node M, which is the intersection of Segments M, N, and S and runs west along property lines and parallel to Dobbin-Huffsmith Road. After approximately 0.21 miles, Segment N takes a right angle turn south following the property lines for approximately 0.63 miles and crosses over one NWI freshwater emergent wetland and one NWI Freshwater Forested/Shrub Wetland before taking a right turn angle west for approximately 0.24 miles. Segment N then terminates at the Segment Node H, which is the intersection of Segments K, L, and N.
NN	Segment NN begins at Segment Node FF, which is the intersection of Segments SS,QQ, and NN. Segment NN runs south along the edge of property lines and parallel to Dobbin-Huffsmith Road for approximately 0.44 miles before terminating at Segment Node X, which is the intersection of Segments FF, MM, NN, and OO.
O	Segment O beings at Segment Node K, which is the intersection of Segments E, I, and O. It then runs north along property lines before terminating at Segment Node L, which is the intersection of Segments C, O and P.

Table 3.2 Descriptions of Preliminary Transmission Line Segments

Segment ID	Description
OO	Segment OO begins at Segment Node EE, which is the intersection of Segments OO, PP and QQ and travels south along the property lines for approximately 0.14 miles before taking a right angle to the west for approximately 0.13 miles. Segment OO then terminates at Segment Node X, which is the intersection of Segments FF, MM, and NN.
P	Segment P begins at Segment Node W where Segments P, V, and GG intersect. Segment P runs south along property lines, crossing one NWI freshwater emergent wetland, NWI freshwater riverine in four different spots, one operational transmission crude oil pipeline owned by Enterprise Products Partners, LP, and one operational transmission crude oil pipeline owned by BP. Segment P then terminates at Segment Node L, which is the intersection of Segments C, P, and O.
PP	Segment PP begins at Segment Node EE, which is the intersection of Segments PP, QQ, and OO and runs east along the edge of property lines before terminating at Segment Node DD, which is the intersection of Segments PP, VV, and RR.
Q	Segment Q begins at Segment Node N, which is the intersection of Segments Q, X, Y1 and runs south along property lines and parallel to South Creek Drive before terminating at Segment Node J, which is the intersection of Segments H, I, J, and Q.
QQ	Segment QQ begins at Segment Node FF, which is the intersection of Segments SS, NN, and QQ, and runs east along property lines. Segment QQ then terminates at Segment Node EE, which is the intersection of Segments of PP, OO, and QQ.
R1	Segment R1 begins at Segment Node I1, which is the intersection of Segments R1, R2, and R3. Segment R1 runs south along property lines and parallel to Cherokee Lane, crossing one NWI Freshwater Emergent Wetland, before terminating at Segment Node I, which is the intersection of Segments R1, J, and K.
R2	Segment R2 begins at Segment Node I1, which is the intersection of Segments R1, R2, and R3 and runs east along property lines and parallel to Navajo Lane before making a right angle to go north, crossing Navajo Lane. Segment R2 then runs along property lines and parallel to Longbow Street, crossing Longbow Circle and a NWI Freshwater Emergent Wetland before terminating at Segment Node S, which is the intersection of Segments AA, BB, and R2. Segment Node S is adjacent to Carraway Lane.
R3	Segment R3 begins at Segment Node I1, which is the intersection of Segments R1, R2, and R3. Segment R3 runs north across Navajo Lane before terminating at Segment Node I2, which is the intersection of Segments Y1, Y2, and R3.
RR	Segment RR begins at Segment Node DD which is the intersection of Segments RR, PP, and VV. Segment RR runs east along property lines before terminating at Segment Node CC, which is the intersection of Segments U, UU, and RR.
S	Segment S begins at Segment Node M, which is the intersection of Segments M, N, and S and runs east crossing Dobbin-Huffsmith Road before running along property lines. After approximately 0.06 miles, Segment S turns north for approximately 0.22 miles before terminating at Segment Node O, which is the intersection of Segments S, T, and U.
SS	Segment SS begins at Segment Node HH which is adjacent to one of the proposed substation locations and the intersection of Segments TT, SS, and VV, and runs south crossing Hardin Store Road. Segment SS then runs parallel to Dobbin-Huffsmith Road and along property lines before terminating at Segment Node FF, which is the intersection of Segments NN, SS, and QQ.
T	Segment T begins at Segment Node O, which is the intersection of Segments S, T, and U. Segment T runs west along the edge of property lines for approximately 0.16 miles before crossing Dobbin-Huffsmith Road. Segment T then runs north along the edge of property lines and parallel to Dobbin-Huffsmith Road for approximately 0.15 miles. Segment T then crosses Carraway Lane before terminating at Segment Node P, which is the intersection of Segments T, CC, and EE.

Table 3.2 Descriptions of Preliminary Transmission Line Segments

Segment ID	Description
TT	Segment TT beings at Segment Node GG which is the intersection of Segments KK, LL, and TT. Segment TT then runs northeast along property lines and parallel to Hardin Store Road before crossing Dobbin-Huffsmith Road and terminating at Segment Node HH, which is adjacent to one of the proposed substations and the intersection of Segments SS, TT, and VV.
U	Segment U begins at Segment Node CC, which is the intersection of Segments U, UU, and RR. Segment U runs south, crossing Shady Lane and following property lines for approximately 0.1 miles before taking a southeast angle. Segment U then runs for approximately 0.07 miles before taking an angle to the south. Segment U then runs along the edge of property boundaries for approximately 0.2 miles before taking an angle to the east. Segment U then runs along the edge of property boundaries for approximately 0.14 miles before taking an angle to the south. Segment U then runs along property lines for approximately 0.3 miles before reaching Carraway Lane. Segment U then takes an angle to the east and runs parallel to Carraway Lane for approximately 0.05 miles. Segment U then takes an angle to the south to cross Carraway Lane, runs along property lines and terminates at Segment Node O, which is the intersection of Segments S, T, and U.
UU	Segment UU begins at one of the proposed substation locations, which is Segment Node BB. Segment UU then runs south for approximately 0.1 miles before terminating at Segment Node CC, which is the intersection of Segments RR, UU, and U.
V	Segment V begins at Segment Node W which is the intersection of Segments P, V, and GG. Segment V then runs east along property lines and crosses one NWI riverine feature before terminating at Segment Node V.
VV	Segment VV begins at Segment Node DD, which is the intersection of Segments VV, PP, and RR. Segment VV then runs north for approximately 0.45 miles before taking a right angle west for approximately 0.11 miles. Segment VV then crosses Hardin Store Road and takes a southwestern angle to follow property lines and run parallel to Hardin Store Road. Segment VV then terminates at Segment Node HH, which is adjacent to one of the proposed substations and the intersection of Segments SS, TT, and VV.
WW	Segment WW begins at Segment Node A1, at the operational 138kV transmission line and runs east for approximately 0.07 miles before taking a northwest angle. Segment WW then terminates at Segment Node A2, which is the intersection of Segments A1, A2, WW, and XX.
X	Segment X begins at Segment Node U which is the intersection of Segments W, X, and Z and runs south along property lines and parallel to North Creek Drive. Segment X then terminates at Segment Node N, which is the intersection of Segments X, Q, and Y1.
XX	Segment XX begins at Segment Node A2 which is the intersection of Segments A1, A2, WW, and XX. Segment XX runs east crossing two NWI features: a Freshwater Forested/Shrub Wetland and a riverine. After approximately 0.12 miles, Segment XX takes a northeast angle crossing perpendicular to two operational Crude Oil transmission lines (one owned by Energy Transfer, LP and the other is owned by Omers Energy Inc. (50)/Magellan Midstream Partners LP (30)/Plains All American Pipeline, LP (20)), and one 345kV operational transmission lines owned by CenterPoint Energy. Segment XX then crosses the same NWI riverine in a different location before crossing perpendicular to the Union Pacific Railroad. Segment XX then crosses another NWI Freshwater Forested/Shrub Wetland before terminating at Segment Node E1, which is the intersection of Segments F1, F2, and XX.
Z	Segment Z begins at Segment Node U which is the intersection of Segments X, W, and Z. Segment Z then runs east along property lines and crosses a NWI Freshwater Emergent Wetland before terminating at Segment Node T, which is the intersection of Segments Z, AA, and Y2.

3.6.2 Public Involvement Program

After developing the four tie-in locations (Nodes A, A1, B, and C) and the preliminary transmission line route segments, a public meeting occurred to solicit input from residents, landowners, public officials, and interested parties about the proposed project. Additionally, the public meeting served to provide the public with a better understanding of the proposed Project, including its purpose and need, benefits and impacts, schedule, and decision-making process. Additionally, CenterPoint Energy established a Project website to provide information to the public.

https://www.centerpointenergy.com/en-us/corporate/about-us/mill-creek-substation-project

The public meeting was held on December 15, 2022, from 5:00-8:00 pm at the Tomball Community Center in Tomball, Texas. Letters notifying landowners and public officials of the public meeting were sent two weeks beforehand on December 1, 2022. CenterPoint mailed a total of 331 landowner letters and 40 public official letters. The Notice of Public Meeting Letters are provided in **Appendix A**.

Personnel from CenterPoint Energy and TRC staffed information stations including: Registration and Information, Project Need, Right-Of-Way/Construction, EMF Information, Routing/Environmental, GIS Computer Stations, and Questionnaire Drop-off. Stations provided maps, photographs, and text pertaining to those aspects of the Project and allowed for interested citizens and landowners to discuss with CenterPoint Energy and TRC staff. A PowerPoint presentation was also presented to attendees.

As attendees entered the public meeting, they were requested to sign in and were given a welcome sheet with information and a questionnaire to gather feedback and comments on the Project (**Appendix A**). Based on the sign in sheet, a total of 97 people were in attendance, approximately one-third of the notified landowners. A total of 43 questionnaire responses were collected at the public meeting and after the public meeting via email submission. The questionnaire requested respondents to provide feedback regarding Project understanding and purpose, and whether the information presented during the public meeting met their needs. Participants were also asked if they had visited the Project website.

Additionally, the questionnaire solicited feedback on Project-specific concerns such as what attendees greatest land use concern was, linear features best for the transmission route to follow, any additional factors or features that should be concerned in determining the routing, features on constraint map, concern with any particular route segments shown, preference on the type of structures being proposed, and if preliminary routes segments are near home/business/land. A short summary of responses is provided below.

In terms of Project need and understanding, 18 of the 43 respondents felt that the need for the Project had not been adequately explained. Of those 18 respondents, 11 elaborated on their answer. Reasons for inadequate explanation varied; four respondents cited vagueness and disorganization of information, four felt the need for construction in a developed neighborhood wasn't sufficient, and three felt that power needs and area growth were not helpful rationales.

Respondents were asked to rank land uses by what should be the greatest concern in routing (avoid if possible). Residential land was the overwhelming primary concern as more than half of the respondents ranked it first. Following residential, the average ranking of land use concerns

from most to least was schools, wildlife, recreational, agricultural, floodplains, churches, commercial, historic sites, and finally cemeteries. Respondents were also given the option to write in other concerns and include a score. Eight respondents used this 'other' category to highlight decline in property values, and all these respondents had the 'other' scored as their primary concern, with residential land checked off as their secondary concern. When respondents were asked what linear facilities should be followed by the transmission line route, the average ranking from most important to least was railroads, electrical lines, roads/highways, telephone lines, property lines, cultural features, and finally, natural features.

3.6.3 Modifications to Preliminary Transmission Line Segments

CenterPoint Energy and TRC reviewed and considered all the comments received from the public and agencies regarding the preliminary line segments and substation sites. Based on this input, an additional western tie-in location (Node A1) and an associated segment (WW) were added to the route network. No segments or nodes were deleted. The discussion below describes the modifications that were made to preliminary transmission line segments.

Connection Point A1: Based on comments from landowners, Connection Point A1 was added to the study. A1 is located approximately one-third mile further south than Connection Point A and provides additional geographic diversity of route options.

Segment WW: Segment WW was added to connect the preliminary line segments to Connection Point A1.

Following refinement of the line segments, the Routing Team resolved the segments into primary transmission line routes. This process involved stringing segments together that did not reverse direction or otherwise form longer or more circuitous routes than necessary. Where there are multiple segments, it is possible to form an enormous number of possible route combinations if this type of rationalization is not performed. Additional modifications were micro-adjustments on angles and node placement based on Routing Team discussions. A total of 23 primary transmission line routes were selected that provide forward progression and geographic diversity of route alternatives.

3.6.4 Proposed Alternative Routes

The 23 primary transmission line routes are listed in **Table 3.3** below and shown on **Figure 3.2**. Figure 3.3 shows the primary transmission line routes with environmental and land use constraints (a larger, more detailed version of this map is provided on Figure 3.3 in **Appendix C**). The primary transmission line routes are listed by alternate substation site and then further divided into eastern, central, and western route options. These primary transmission line routes are further evaluated, discussed, and compared in the following sections. Within each alternate substation grouping of routes, the evaluation criteria for each of the primary transmission line routes were tabulated for comparative purposes.

Table 3.3 Proposed Alternative Route Segments with Route Identifier

Route	Segment IDs
1-A	TT,LL.II,HH,V,P,V
2-A	TT,KK,GG,P,C
3-A	TT,KK,JJ,HH,V,P,C
4-A	TT,KK,GG,P,O,E,B
5-A	TT,KK,GG,P,O,E,D,A2,A1
6-A	TT,KK,GG,P,O,E,D,A2,WW
7-A	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
8-A	SS,NN,MM2,MM1,II,HH,V,P,C
9-B	MM1,II,HH,V,P,C
10-B	MM1,II,HH,V,P,O,E,B
11-B	MM1,II,HH,V,P,O,E,D,A2,A1
12-B	FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
23-C	VV,TT,KK,GG,P,O,E,B

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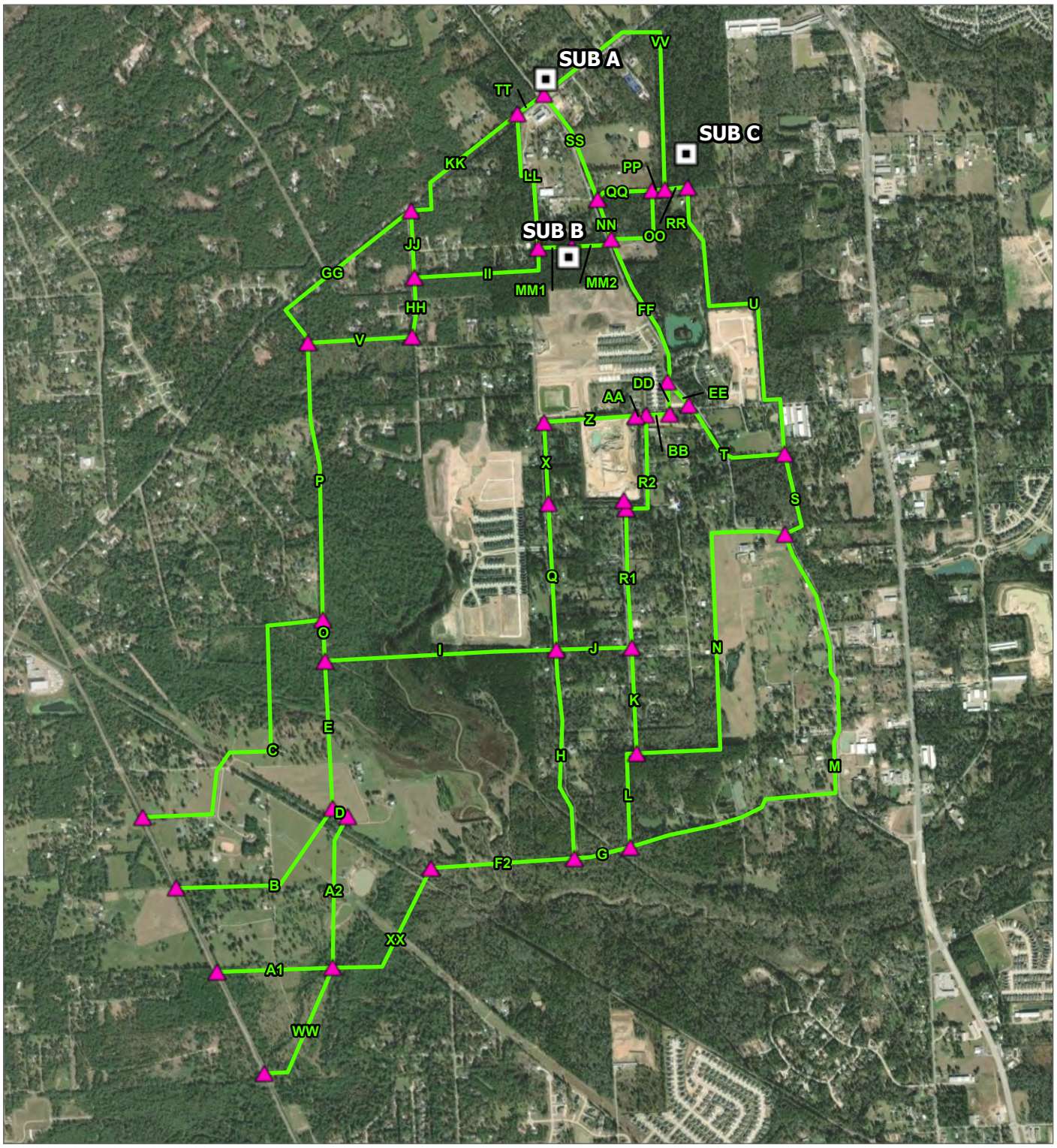

POTENTIAL SUBSTATION LOCATIONS

SEGMENT NODE

ROUTE SEGMENTS

PROJECT:	CENTERPOINT ENERGY INC MILL CREEK PHASE 3
TITLE:	PROPOSED ALTERNATIVE ROUTES MAP
DRAWN BY: D. SWEENEY	PROJ. NO.: 507707
CHECKED BY: J. STONE-LORD	FIGURE 3.2
APPROVED BY: J. NICHOLAS	
DATE: SEPTEMBER 2023	

BASE MAP: ESRI "WORLD IMAGERY" MAP SERVICE
DATA SOURCES: TRC, CENTERPOINT

0 1,100 2,200 FEET

1:26,400

TRC
1526 COLE BOULEVARD
BUILDING 3, SUITE 150
LAKEWOOD, CO 80401
PHONE: 303.792.5555

FILE: MILLCREEK_SITING_DSS

COORDINATE SYSTEM: NAD 1983 2011 STATEPLANE TEXAS CENTRAL FIPS 4203 FT US; MAP ROTATION: 0
-- SAVED BY: DSWEENEY ON 9/13/2023, 08:35:03 AM; FILE PATH: T:\1-PROJECTS\CENTERPOINT_ENERGY_INC\507707_MILL_CREEK_CCN\2-APRX\MILL CREEK_SITING_DSS.APRX; LAYOUT NAME: FIG_3_2_MILL_CREEK_ROUTE_SEGMENTS_8.5X11P

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ROUTE	SEGMENT STRING	ROUTE	SEGMENT STRING
1-A	TT,LL,II,HH,V,P,C	13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
2-A	TT,KK,GG,P,C	14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
3-A	TT,KK,JJ,HH,V,P,C	15-B	FF,EE,T,S,M,G,F2,XX,A1
4-A	TT,KK,GG,P,O,E,B	16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
5-A	TT,KK,GG,P,O,E,D,A2,A1	17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
6-A	TT,KK,GG,P,O,E,D,A2,WW	18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
7-A	SS,NN,FF,DD,BB,Z,X,Q,H,F2,XX,A1	19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
8-A	SS,NN,MM2,MM1,II,HH,V,P,C	20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
9-B	MM1,II,HH,V,P,C	21-C	U,S,N,L,G,F2,XX,WW
10-B	MM1,II,HH,V,P,O,E,B	22-C	U,S,M,G,F2,XX,WW
11-B	MM1,II,HH,V,P,O,E,D,A2,A1	23-C	VV,TT,KK,GG,P,O,E,B
12-B	FF,DD,BB,AA,Z,X,Q,H,F2,X,A1		

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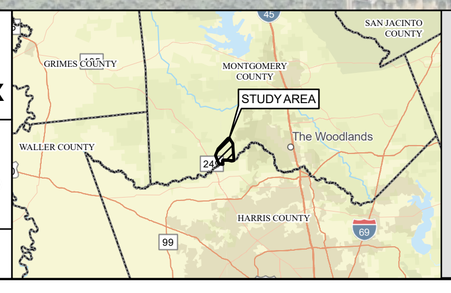
HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES

FIGURE 3-3



- STUDY AREA
- PROPOSED ROUTE SEGMENTS
- SEGMENT NODE
- COUNTY BOUNDARY
- MONTGOMERY COUNTY LAND PARCELS
- POTENTIAL SUBSTATION LOCATIONS
- 345 KV TRANSMISSION LINE
- 138 KV TRANSMISSION LINE
- RAILROAD
- MICROWAVE SERVICE TOWERS
- CELLULAR TOWER
- SCHOOL/EDUCATION
- FIRE STAION / EMS STATION
- CEMETERY
- REFINED PRODUCTS PIPELINES
- CRUDE OIL PIPELINES
- STREAMS
- NWI WETLANDS
- WATERBODY
- 100-YEAR FLOODPLAIN
- FLOODWAY
- LIKELY HABITABLE STRUCTURE

N

0 700 1,400

FEET

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4.0 IMPACT OF THE ALTERNATIVE ROUTES

4.1 COMMUNITY VALUES

4.1.1 Land Use

Land-use impacts from transmission line construction are determined by the amount of land (of varying use) displaced by the actual ROW and by the compatibility of electric transmission line ROW with adjacent land uses. During construction, temporary impacts to land uses within the ROW could occur due to the movement of workers and materials through the area. Construction noise and dust, as well as temporary disruption of traffic flow, may also temporarily affect residents and businesses in the area near the ROW. Coordination among CenterPoint Energy, its contractors, and landowners regarding access to the ROW and construction scheduling should minimize these disruptions.

The evaluation criteria considered land use impacts such as overall route length, number of parcels crossed, habitable structures within certain distances from the route centerline, and length across various land uses. The data associated with the criteria for each primary transmission line route is detailed in **Appendix B** and **Tables 5.2, 5.3, and 5.4.**

4.1.2 Proposed Alternative Route Length

Route lengths vary, with Primary Transmission Line 9-B extending for 14,995 feet (approximately 2.84 miles) and Primary Transmission Line 22-C extending for 21,701 feet (approximately 4.11 miles). The ten shortest Primary Transmission Line route lengths (listed in ascending order) include:

- Primary Transmission Line 9-B at 14,995 feet or approximately 2.84 miles
- Primary Transmission Line 10-B at 15,418 feet or approximately 2.92 miles
- Primary Transmission Line 2-A at 15,734 feet or approximately 2.98 miles
- Primary Transmission Line 4-A at 16,104 feet or approximately 3.05 miles
- Primary Transmission Line 3-A at 16,210 feet or approximately 3.07 miles
- Primary Transmission Line 11-B at 16,790 feet or approximately 3.18 miles
- Primary Transmission Line 1-A at 17,213 feet or approximately 3.26 miles
- Primary Transmission Line 5-A at 17,477 feet or approximately 3.31 miles
- Primary Transmission Line 14-B at 17,582 feet or approximately 3.33 miles
- Primary Transmission Line 6-A at 17,794 feet or approximately 3.37 miles

4.1.3 Compatible ROW

PUC Substantive Rule 25.101(b)(3)(B) requires that the PUC consider whether new transmission line routes are within existing compatible ROWs or are parallel to existing compatible ROWs, property lines, or other natural or cultural features. Criteria used to evaluate potential land use impacts include the route length within existing transmission line easements, length parallel to existing transmission line ROW, length paralleling apparent property lines, length of route parallel to other existing ROWs, and the length of new ROW required. None of the primary transmission line routes utilize existing electric transmission line ROW because no lines were available in the study area for use.

Routes that parallel property lines or fence lines, which are considered apparent property boundaries, may minimize the potential for disruption. The ten Primary Transmission Line Routes with the greatest length parallel to apparent property lines are listed in descending order:

- Primary Transmission Line Route 8-A at 20,265 feet or approximately 3.84 miles
- Primary Transmission Line Route 16-C at 19,279 feet or approximately 3.65 miles
- Primary Transmission Line Route 23-C at 17,063 feet or approximately 3.23 miles
- Primary Transmission Line Route 18-C at 16,786 feet or approximately 3.18 miles
- Primary Transmission Line Route 20-C at 16,703 feet or approximately 3.16 miles
- Primary Transmission Line Route 11-B at 16,699 feet or approximately 3.16 miles
- Primary Transmission Line Route 17-C at 16,678 feet or approximately 3.16 miles
- Primary Transmission Line Route 5-A at 16,461 feet or approximately 3.12 miles
- Primary Transmission Line Route 15-B at 16,209 feet or approximately 3.07 miles
- Primary Transmission Line Route 7-A at 16,142 feet or approximately 3.06 miles

Paralleling other existing compatible ROW, such as highways, pipelines, canals, is also generally considered to be favorable for routing. It is a consideration that usually results in fewer impacts compared to establishing new ROW. The ten Primary Transmission Line Routes with the longest lengths parallel to other existing ROWs are listed in descending order:

- Primary Transmission Line Route 7-A at 16,242 feet or approximately 3.08 miles
- Primary Transmission Line Route 18-C at 14,888 feet or approximately 2.82 miles
- Primary Transmission Line Route 12-B at 13,781 feet or approximately 2.61 miles
- Primary Transmission Line Route 20-C at 12,506 feet or approximately 2.37 miles

- Primary Transmission Line Route 13-B at 11,400 feet or approximately 2.16 miles
- Primary Transmission Line Route 15-B at 10,123 feet or approximately 1.92 miles
- Primary Transmission Line Route 14-B at 7,232 feet or approximately 1.37 miles
- Primary Transmission Line Route 19-C at 7,122 feet or approximately 1.35 miles
- Primary Transmission Line Route 23-C at 6,680 feet or approximately 1.27 miles
- Primary Transmission Line Route 22-C at 6,502 feet or approximately 1.23 miles

None of the Primary Transmission Line Routes are located within existing electric transmission line ROW; therefore, the Primary Transmission Line Route length requiring new ROW reflects the total length of each route. The ten Primary Transmission Line Route lengths requiring the least new ROW (the shortest in length) are reflected in the list in Section 4.1.2.

4.1.4 Urban and Residential Areas

The potential impacts to the urban and residential areas within the study area could include an increase in traffic, noise, and construction activities around the urban and residential areas during the construction of the Project. The number of habitable structures located within 300 feet of the centerline of each Primary Transmission Line Route was determined through the interpretation of aerial imagery. The ten Primary Transmission Line Routes with the fewest number of habitable structures within 300 feet are listed below in ascending order:

- Primary Transmission Line Route 4-A with 16
- Primary Transmission Line Route 5-A with 16
- Primary Transmission Line Route 6-A with 16
- Primary Transmission Line Route 2-A with 20
- Primary Transmission Line Route 10-B with 21
- Primary Transmission Line Route 11-B with 21
- Primary Transmission Line Route 23-C with 22
- Primary Transmission Line Route 3-A with 24
- Primary Transmission Line Route 9-B with 25
- Primary Transmission Line Route 16-C with 26

4.1.5 Land Use Categories

Land use categories within the study area include residential and agricultural. Primary Transmission Line Routes with the greatest number of habitable structures within 300 feet of their centerlines typically have the greatest length across residential areas. The ten Primary Transmission Line Routes with the fewest number of habitable structures within 300 feet are listed above in Section 4.1.4. The ten Primary Transmission Line Routes with the largest number of habitable structures within 300 feet are listed below in descending order:

- Primary Transmission Line Route 22-C with 107
- Primary Transmission Line Route 7-A with 86
- Primary Transmission Line Route 20-C with 86
- Primary Transmission Line Route 19-C with 84
- Primary Transmission Line Route 13-B with 83
- Primary Transmission Line Route 21-C with 83
- Primary Transmission Line Route 15-B with 82
- Primary Transmission Line Route 18-C with 82
- Primary Transmission Line Route 12-B with 79
- Primary Transmission Line Route 14-B with 77

No Primary Transmission Line Route has length across agricultural land/cropland or mobile irrigated cropland. All the Primary Transmission Line Routes cross pastureland areas. Primary Transmission Line Route 8-A crosses the most pastureland at 4,118 feet or approximately 0.78 miles. The Primary Transmission Line Routes that cross less than 0.5 miles of pastureland are listed below in ascending order:

- Primary Transmission Line Route 14-B at 370 feet or approximately 0.07 miles
- Primary Transmission Line Route 13-B at 475 feet or approximately 0.09 miles
- Primary Transmission Line Route 20-C at 475 feet or approximately 0.09 miles
- Primary Transmission Line Route 12-B at 1,742 feet or approximately 0.33 miles
- Primary Transmission Line Route 18-C at 1,742 feet or approximately 0.33 miles
- Primary Transmission Line Route 7-A at 2,112 feet or approximately 0.4 miles

4.1.6 Transportation, Aviation, and Utilities

Potential impacts to transportation could include temporary disruption of traffic and conflicts with proposed roadway or utility improvements and may include increased traffic during construction of the proposed Project. However, the Project would generate only minor construction traffic at any given time or location. This traffic would consist of construction employees' personal vehicles, truck traffic for material deliveries, trucks for structure foundation work, and mobile cranes for structure erection. Such impacts, however, are usually temporary and short-term. CenterPoint Energy will obtain road crossing and access permits from Montgomery County as the primary transmission line routes will cross local county roadways.

The proposed transmission line should have no significant effect on aviation operations within the study area. No FAA-registered airports are located within 20,000 feet, no private landing strips are located within 10,000 feet, and no helipads are located within 5,000 feet of the proposed transmission line. The proposed Project would have no effect on aviation operations in the study area.

Existing utilities within the study area include electric transmission lines, crude oil pipelines, refined petroleum pipelines, and a natural gas pipeline. Based on available data and field reconnaissance, existing utilities will be avoided or spanned. Because the Project will not be utilizing any existing transmission lines, no impacts are expected to other existing utilities within the study area.

4.1.7 Communication Towers

Seven communication towers were observed in the study area, as previously discussed in Section 2.2.1. Project construction is not anticipated to impact the communication towers within the study area.

4.1.8 Socioeconomics

The Project’s construction will create well-paying jobs in the region. The number of onsite jobs will vary throughout the construction period. Spending by out-of-region construction workers will have a positive, short-term effect on local businesses as workers make purchases of food, fuel, and lodging. A review of short-term housing options indicates that the region can accommodate workers from outside the area. Impacts to schools and social services are not anticipated to arise from the construction labor force, as temporary construction workers typically do not relocate their families during construction.

The operation of the Project will serve new demand in Northwest Houston and Southwest Montgomery associated with the addition of new residents, schools, subdivisions, retail and commercial centers, and healthcare centers. In addition to increasing reliability in the Magnolia, Tomball, and The Woodlands areas, the Project will support future load growth which may be associated with an increase in population. While the Project’s operation will not result in direct impacts to population, continued growth in the region’s commercial and residential development are anticipated to be indirect results.

4.2 RECREATIONAL AND PARK AREAS

Potential impacts to recreational land and park areas, which includes the disruption of recreational activities, would not occur from the proposed Project as no parks or recreation areas are crossed by the Project or located within 1,000 feet of the Project.

4.3 HISTORICAL AND AESTHETIC VALUES

4.3.1 Archeological and Historical Values

No previously recorded NRHP properties or SALs are present within the study area. No direct impacts from transmission and utility line construction on historic structures 50 years or older is expected.

4.3.1.1 Archaeological and Historic Resources

The results of the desktop review did not show any previously recorded NRHP properties or SALs present within the study area; however, five archaeological sites within the Study Area have not been assessed for listing in the NRHP or SAL designation. Based on this review, one prehistoric site, 41MQ44, is crossed by the primary transmission line routes. Archaeological site 41MQ44, located approximately 1,000 feet from primary transmission line routes, consists of a lithic scatter with unassessed NRHP eligibility status. The bulk of the study area has not been previously surveyed for cultural resources. There are no NRHP-listed properties located within 1,000 feet of the primary transmission line routes ROW centerlines.

Although the geology and soils data do not indicate a high potential for deeply buried sites with integrity, and deep impacts are anticipated to be localized to transmission line pole locations, the number of historic structures and previously recorded sites in the area suggest a reasonable likelihood of shallowly buried and surficial archaeological sites. The THC reviewed the desktop study and is requiring an archaeological survey of the Final Route prior to construction to ensure compliance under Section 106 of the NHPA and/or under the Antiquities Code, if applicable.

4.3.1.2 Cemeteries

Based on data from the THC-Atlas and topographic maps, two cemeteries, the Pate Cemetery and John English Cemetery are located within 1,000 feet of the primary transmission line routes. None of these cemeteries is crossed by the primary transmission line routes. Avoidance is recommended for the Oklahoma Cemetery, Pate Cemetery, and John English Cemetery located within the study area.

4.3.1.3 Architectural Sites

Historic topographic maps show over 50 historic structures within the study area. Given the Project is within an urban setting, adverse, indirect effects to existing historic structures are not likely to cause an adverse effect on historic resources given the viewshed has been compromised by previous transmission and utility line construction. No direct effects or impacts to existing historic structures are anticipated.

4.3.1.4 Summary

None of the Primary Transmission Line Routes have been surveyed for cultural resources; therefore, the potential for undiscovered cultural resources exists. None of the Primary Transmission Line Routes are anticipated to have an adverse physical or visual impact on any known cultural resources. CenterPoint Energy will complete additional coordination with the THC if the CCN is approved.

4.3.2 Aesthetic Values

Aesthetic impacts, or impacts upon visual resources, exist when the ROW, lines, or structures of a transmission line system create an intrusion into, or substantially alter the character of, an existing scenic view. The significance of the impact is directly related to the quality of the view, in the case of natural scenic areas, or to the importance of the existing setting in the use or enjoyment of an area, in the case of valued community resources and recreational areas. The Project is within a developed, urban setting and no adverse effect (indirect or direct) to scenic views is anticipated given the viewshed has been compromised by previous transmission and utility line construction, as well as overall residential development.

4.4 ENVIRONMENTAL INTEGRITY

4.4.1 Physiography/Geology

Construction of the proposed transmission line will have no significant effect on the physiographic or geologic features and resources of the area. Erection of the structures would require the removal and minor disturbance of small amounts of near-surface materials but would have no measurable impact on the geologic resources or features along the primary transmission line routes. The project is anticipated to have no significant impact on physiographic or geological sources in the study area.

4.4.2 Soils

The construction and operation of transmission lines normally create very few long-term adverse impacts on soils. Transmission lines are not normally considered to cause a conversion of farmland because the site can still be used in this capacity after construction. The major potential impact upon soils from any transmission line construction would be erosion and soil compaction. The potential for soil erosion is generally greatest during the initial clearing of the ROW; however, erosion control measures during the clearing and construction process would be incorporated. Where existing land cover includes woody vegetation within the ROW, much of this vegetation will be removed to provide adequate space for construction activities and to minimize corridor maintenance and operational concerns. In these areas, only the leaf litter and a small amount of herbaceous vegetation would remain following land clearing and both would be disturbed by the necessary movement of heavy equipment.

Construction of the transmission line would require minimal amounts of clearing in areas that have already been cleared for crops, pastures, and existing road, transmission line, and pipeline ROW. The most important factor in controlling soil erosion associated with construction activity is to revegetate areas that have potential erosion problems immediately following construction. Natural succession would revegetate most of the ROW. Impacts from soil erosion caused by construction

activity would be minimized due to the implementation of BMPs designed in the SWPPP. Areas where construction activity has occurred will be restored and revegetated in accordance with the SWPPP and the PUC final order.

Prime farmland soils, as defined by the NRCS, are soils that are best suited for producing food, feed, forage, or fiber crops. The USDA recognizes the importance and vulnerability of prime farmlands throughout the nation and encourages the wise use and conservation of these soils where possible. According to the NRCS mapping tool, approximately 6.7 percent (283.4 acres) of the soils mapped within the study area are considered prime farmland. As described above, the extent of soils impacted would be negligible.

4.4.3 Water Resources

4.4.3.1 Surface Water

A desktop review of surface waters determined numerous smaller perennial, intermittent, and/or ephemeral named and unnamed tributaries to these waterways are found throughout study area. Additionally, ponds, cattle stock tanks, retention ponds, and NWI mapped wetlands are scattered throughout the study area. A field delineation of waters of the U.S. would be completed for the Project on the Final Route to verify the presence/absence of surface water and quantity.

Once a field delineation is completed, the primary objective concerning surface waters would be to avoid permanent impacts. This can be accommodated during detailed design of the transmission line by placing footings outside of surface waters and to cross surface waters at a perpendicular angle requiring the shortest crossing possible, to the greatest extent practicable. The team will attempt to have no fill material from the project discharge into waters of the U.S. subject to Section 404 of the CWA. If impacts to surface waters are unavoidable, the team will attempt to keep impacts as temporary which would not require a Section 404 permit.

No vehicle washing would be permitted on the ROW. Other wastes which typically derive from the operation of heavy machinery would be prevented from entering flowing streams or dry water courses, lakes, and underground water sources. Erosion control BMPs outlined in the SWPPP would be utilized during construction and post-construction activities to minimize sediment deposition in the receiving surface waters in the vicinity. All disturbed areas would be restored to pre-construction contours. Additionally, erosion control measures would remain in place until natural vegetation communities are restored. Based on the current design plans to avoid or temporary impact surface waters and implementation of erosion control measures utilized during construction and post-construction activities; the proposed Project action is not anticipated to require a Section 404 permit from the USACE.

4.4.3.2 Groundwater

No significant impacts to groundwater are anticipated from the proposed Project as no water would be obtained from or discharged into groundwater. Silt fencing would be used to mitigate runoff from the Project. Silt dams and vegetated earthen berms with seeding/re-vegetation would be used during construction. During construction activities, another potential impact for both surface and groundwater resources is potential fuel or chemical spills. BMP and safety protocols would be in place to minimize potential contamination.

4.4.3.3 Floodplains

The Final Route may cross flood hazard areas associated with Spring Creek, Mill Creek, Decker Branch, and other tributaries or drainageways. The Project would be designed to span floodplains, where feasible. If spanning of floodplains is determined not to be feasible during detailed design, engineering considerations would minimize impacts to flow during a major flood event and coordination with the Montgomery County floodplain administer would occur to mitigate impacts to floodplains. It is anticipated that the proposed Project would not significantly impact the overall function of the existing floodplain.

4.4.4 Ecological Resources

4.4.4.1 Vegetation Types

Measurable impacts may occur to vegetation within the study area due to vehicular traffic during construction. Traffic would be minimal after completion of construction and limited to maintenance along the ROW. Some vegetation would regrow following completion of the construction; however, most of the study area consists of intensively maintained agricultural uses.

The proposed Project, in association with other activities in the area, could lead to additional quantitative impacts to native vegetation. An expanded and upgraded power transmission infrastructure could contribute to the conversion of more undeveloped land to residential or commercial related uses.

Tree and shrub clearing is anticipated along portions of the Final Route as a part of the proposed Project. Some migratory bird species are known to be ground nesting or construct nests in low shrub or tree cover.

Construction activities that disturb vegetation would be kept to a minimum and vegetative cover would be left undisturbed wherever possible. The impacts on vegetation would be temporary and not significant. Signs and gates would be constructed that discourage unauthorized traffic along the power line. No other mitigation measures would be necessary.

4.4.4.2 Wetlands

Potential impacts to wetland areas include the conversion of forested wetlands to a herbaceous or shrub wetland as well as the temporary fill or permanent fill associated with structure construction. CenterPoint Energy proposes to span any wetland areas where practical and hand clear any tree species located within the wetland area to minimize potential impacts. The use of equipment mats during construction within emergent herbaceous wetland areas will minimize potential impacts by limiting the level of soil disturbance. Additional coordination will be required with the USACE to determine any Section 404 permitting requirements after the PUC approves the CCN.

Primary Transmission Line Routes 1-A, 2-A, 3-A, 4-A, 5-A, 6-A, 8-A, 9-B, 10-B,11-B,16-C,17-C, and 23-C do not cross any forested wetlands. The remaining Primary Transmission Line Routes that do cross forested wetlands are listed below in descending order:

- Primary Transmission Line Route 21-C at 1083 feet or approximately 0.21 miles
- Primary Transmission Line Route 7-A at 504 feet or approximately 0.10 miles

- Primary Transmission Line Route 12-B at 505 feet or approximately 0.10 miles
- Primary Transmission Line Route 13-B at 505 feet or approximately 0.10 miles
- Primary Transmission Line Route 14-B at 505 feet or approximately 0.10 miles
- Primary Transmission Line Route 15-B at 504 feet or approximately 0.10 miles
- Primary Transmission Line Route 18-C at 505 feet or approximately 0.10 miles
- Primary Transmission Line Route 20-C at 505 feet or approximately 0.10 miles
- Primary Transmission Line Route 22-C at 504 feet or approximately 0.10 miles
- Primary Transmission Line Route 19-C at 162 feet or approximately 0.03 miles

The ten Primary Transmission Line Routes that cross the least bottomland or riparian woodland vegetation are listed below in ascending order:

- Primary Transmission Line Route 19-C at 1,486 feet or approximately 0.28 miles
- Primary Transmission Line Route 1-A at 2,605 feet or approximately 0.49 miles
- Primary Transmission Line Route 2-A at 2,605 feet or approximately 0.49 miles
- Primary Transmission Line Route 3-A at 2,605 feet or approximately 0.49 miles
- Primary Transmission Line Route 8-A at 2,605 feet or approximately 0.49 miles
- Primary Transmission Line Route 9-B at 2,605 feet or approximately 0.49 miles
- Primary Transmission Line Route 4-A at 2,703 feet or approximately 0.51 miles
- Primary Transmission Line Route 10-B at 2,703 feet or approximately 0.51 miles
- Primary Transmission Line Route 17-C at 2,703 feet or approximately 0.51 miles
- Primary Transmission Line Route 23-C at 2,703 feet or approximately 0.51 miles

4.4.4.3 Wildlife and Fisheries

During the period of construction, some temporary habitat loss would occur. Disturbance to common species through construction activity and vehicular traffic would occur. However, these would stop after construction was completed. Additionally, medium to long term habitat loss and fragmentation will occur at areas with power related infrastructure resulting in loss of habitat.

To avoid impacts to migratory bird species, CenterPoint Energy would adhere to TPWD's recommendation to exclude vegetation clearing during the general bird nesting season, March through August, to avoid adverse impacts to the nesting migratory birds. If this is not feasible, TPWD recommends a nest survey be conducted and any vegetation where occupied nests are located should not be disturbed until the eggs have hatched and the young have fledged. If the construction schedule allows CenterPoint Energy to avoid impacts to migratory bird species, CenterPoint Energy would restrict vegetation clearing during the migratory bird nesting season (April 1 through August 31). If vegetation clearing during the nesting season is unavoidable, the area will be surveyed prior to disturbance to ensure that active nests are not impacted.

Transmission lines pose some risk to birds in flight, particularly near water features. CenterPoint Energy maintains a robust avian protection program, established in 2010, and managed through its Environmental Department. CenterPoint Energy is an active member of Edison Electric Institute's Avian Power Line Interaction Committee (APLIC), made up of 77 member utilities and the U.S. Fish and Wildlife Service, and closely follows state of the art avian protection techniques and approaches. CenterPoint Energy has extensive experience in proactively and reactively addressing avian contact concerns, and will employ proven techniques, where appropriate, to minimize harmful avian interactions along the PUCT approved final route.

Potential permanent impacts to wildlife may result from clearing of habitat including woodlands, wetlands, and riparian areas. Most of the study area has been previously converted to developments and the remnant woodland vegetation is fragmented habitat or typically serves as a travel corridor for woodland species. By using or paralleling existing linear features where reasonable and minimizing primary transmission line routes within wooded areas, the potential impacts to wildlife habitat loss or fragmentation is reduced.

Potential impacts to aquatic organisms may be a result of erosion, siltation, and sedimentation. This may occur during clearing vegetation within or near riparian areas which could cause potential for suspended solids to enter surface waters. Suspended solids may adversely affect aquatic organisms foraging and reproduction behaviors within or downstream of the study area. BMPs and implementation of a SWPPP is anticipated to minimize these potential impacts. No significant adverse impacts are anticipated to any aquatic organisms or habitat adjacent to or downstream of any proposed transmission line construction.

4.4.4.4 Threatened and Endangered Species

Available information from the USFWS (2023a), TPWD (2023), and TPWD's NDD (TPWD, 2023d) was reviewed to identify endangered or threatened species of potential occurrence within the study area. Currently, 59 species are listed by the USFWS and TPWD as threatened, endangered, or Species of Greatest Conservation Need (SGCN) in Montgomery County. Of the 59 listed species, there are two federally endangered, four federally threatened, two state endangered, 15 state threatened, and 44 state SGCN. According to the IPaC Official Species List (USFWS, 2023a) there are four federally listed threatened and endangered species, one proposed threatened species, and one candidate species with potential to occur in the study area, including the federally listed Piping Plover, Red Knot, Black Rail, and Red-cockaded Woodpecker. Based on the existing conditions, suitable habitat is not present for any of the federally listed T&E species within the study area (USFWS, 2023; TPWD, 2023). Potential habitat is present within the study area for the proposed threatened alligator snapping turtle and candidate species monarch butterfly. Proposed threatened and candidate species are not awarded federal protection under the Endangered Species Act. The TXNDD review did not identify EORs for any of the federally listed T&E species within 10 miles of the study area.

Once the final route is selected, CenterPoint Energy will determine if habitat assessments or species-specific surveys are necessary and if any coordination with USFWS or TPWD is required. No significant impacts to federal or state-listed plant species are anticipated.

5.0 PROPOSED ALTERNATIVE ROUTE AND SUBSTATION SELECTION

5.1 EVALUATION OF PROPOSED ALTERNATIVE ROUTES AND SUBSTATION SITES

CenterPoint Energy proposed 51 primary transmission line segments. Raw data for each primary transmission line segment was collected and evaluated according to the criteria table developed by the Routing Team. With so many potential routes under consideration and variable degrees of overlap between those routes, the 51 segments raw data were evaluated to identify potential problems from a constructability, environmental, and real estate perspective, among other key considerations.

The primary transmission line segments were combined into 23 primary transmission line routes based on the evaluation of segments discussed above. These primary transmission line routes connect three potential Substation sites (A, B, and C) to four different tie-in points along the existing transmission line (A, A1, B, and C). The 23 primary transmission line routes provide geographic diversity and are feasible from a potential impact, engineering, and cost perspective. To facilitate the comparison and selection of the Alternative Routes for inclusion in the PUC CCN Application, the 23 primary transmission line routes were evaluated by substation location, and further described as eastern, central, and western routes. The 23 primary transmission line routes are depicted on **Figure 3.2** and are discussed in detail in Sections 5.1.1 through 5.1.4, below.

The Land Use/Cultural, Technical/Constructability, and Ecological/Biological constraint and opportunity data was collected for each of the 23 primary transmission line routes and compared. The discussion in the below subsections includes a brief description of routes and the analysis of impacts.

5.1.1 Routes from Substation A

Eight primary transmission line routes originate at Substation A. These are Routes 1-A through 8-A and are summarized in **Table 5.1** below. From Substation A, Routes 1-A through 6-A use segment TT and are referred to as the western Substation A routes. After segment TT, there are three options for getting to segment P (all western Substation A routes use segment P). The first option is to follow Hardin Store Road for approximately three-quarters of a mile (segments KK-GG), the second option is to go south after TT and follow parcel boundary lines while moving in a south-west direction (LL-II-HH-V), and the third option shares the segment KK that parallels Harden Store Road for approximately one-third of a mile then heads directly south along segment JJ then follows the same path as the second option into P.

South of segment P, the differences in routes are dependent on which tie-in location the route is going to (A, A1, B, or C). Routes 1-A, 2-A, and 3-A terminate at tie-in C, Route 4-1 ends at B, Route 5-A ends at A, and Route 7-A ends at A1.

Routes 7-A and 8-A use segments SS and NN leaving Substation A, these can be referred to as the central Substation A routes. SS-NN parallels the Dobbin-Huffsmith Road for half a mile, then Route 7-A continues following this road for another half mile before heading south-west following parcel boundaries until the tie-in A. After SS-NN, Route 8-A moves west following the same route as 3-A.

Table 5.1 Descriptions of Primary Transmission Line Routes Associated with Substation A

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[1]	Route Notes
1-A	TT-LL-II-HH-V-P-C	Substation A to Connection Point C	Western	3.26	$ 80,729,000	Route 1-A is one of three routes that begin at Substation A and terminate at Connection Point C. It begins at Substation A, briefly follows Hardin Store Road then turns south following property lines and avoiding residences until reaching Node W. This section provides one of two alternatives to routing along Hardin Store Road. After Node W, the route uses segment P (a cross-country segment common to all the western routes), then segment C to terminate at Connection Point C. Segment C makes several turns to cross the railroad at right angles.
2-A	TT-KK-GG-P-C	Substation A to Connection Point C	Western	2.98	$ 69,053,000	Route 2-A begins at Substation A and follows the north side of Hardin Store Road until Node AA where it crosses to the southern side to avoid several residences and has to also avoid a communications tower. From Node AA the route follows the southern side of Hardin Store Road until turning south to join segment P then C to Connection Point C.
3-A	TT-KK-JJ-HH-V-P-C	Substation A to Connection Point C	Western	3.07	$ 76,844,000	Route 3-A begins at Substation A, and follows then north side of Hardin Store Road until node AA where it turns south and follows xx road using segment HH before turning west and following property lines cross southern to the west before joining segment P, then C into Connection Point C
4-A	TT-KK-GG-P-O-E-B	Substation A to Connection Point B	Western	3.05	$ 62,866,000	Route 4-A begins at Substation A and follows the north side of Hardin Store Road until Node AA where it crosses to the southern side to avoid several residences and has to also

[1] Estimated Total Cost includes Right-of-Way, Labor and Transportation (Utility & Contract), Material and Supplies, Engineering and Administration (Utility & Contract), and Other Costs-Transmission, Distribution, and Substation.

Table 5.1 Descriptions of Primary Transmission Line Routes Associated with Substation A

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[1]	Route Notes
						avoid a communications tower. From Node AA the route follows the southern side of Hardin Store Road until turning south to join segment P then O and to Connection Point C.
5-A	TT-KK-GG-P-O-E-D-A2-A1	Substation A to Connection Point A	Western	3.31	$ 65,762,000	Route 5-A begins at Substation A and ends at Connection Point A. The route is that same as Route 4-A but extends to the south using segments O, E, D, and A1 and A2 to connect to Connection Point A
6-A	TT-KK-GG-P-O-E-D-A2-WW	Substation A to Connection Point A1	Western	3.37	$ 68,966,000	Route 6-A begins at Substation A and ends at Connection Point A1. This is the same as Route 5-A except Segment WW replaces Segment A1.
7-A	SS-NN-FF-DD-BB-Z-X-Q-H-F2-XX-A1	Substation A to Connection point A1	Central	3.86	$ 83,885,000	Route 7-A begins at Substation A and ends at Connection Point A. This Route also heads south directly out of Substation A along the east side of Dobbin-Huffsmith Road. Instead of turning west at Node X, the routes continues southward along the road until Node BB where it turns west along the southern boundary of a new subdivision then south on the east side of North Creek Drive, before turning west through wooded lots to connect to Connection Point A1.
8-A	SS-NN-MM2-MM1-II-HH-V-P-C	Substation A to Connection Point C	Central/Western	3.42	$ 83,948,000	Route 8-A begins at Substation A and ends at segment node C but does not follow Hardin Store Road. Instead it heads south along the east side of Dobbin-Huffsmith Road using segment SS and NN before turning west, cross country along segments MM and II which pass through woodlots. Segments HH and V bring the route to segment P, C and to connection Point C.

Discussion of Comparative Routing Data for the Substation A Routes

The Land use, ecological and constructability data collected for the routes from the A Substation are summarized in **Appendix B** and summarized below:

Discussion of Land Use from Substation A

Among the eight A Routes, Route 2-A is the shortest, followed by 4-A and 3-A. All Substation A Routes cross the same number of railroads, transmission pipelines, distribution lines, and electric transmission lines. The number of local roads and streets crossed varies, all the routes cross four except for Route 7-A crosses seven and Route 3-A crosses five. The central Substation A Routes (7-A and 8-A) do not parallel any distribution lines.

Route 7-A has the largest number of existing likely habitable structures within 300-feet of the centerline, followed by 8-A and 1-A. Routes 4-A, 5-A, and 6-A have the least existing habitable structures within 300-feet.

Discussion of Aesthetic Value from Substation A

The Project is in the Houston Metropolitan Area, by the cities of Magnolia, the Woodlands, and Tomball. The Land Use characteristics within the study area includes forested lands (37.6 percent of the study area), developed lands (25.5 percent of the study area), pasture/hay agricultural lands (17.0 percent of the study area), wetlands and open waters (11.9 percent of the study area), shrubland/herbaceous vegetation (7.9 percent of the study area), and barren land (0.1 percent of the study area) (NLCD, 2019).

No county or local parks, nor any wildlife parks are located within the study area. Therefore, no routes from Substation A have any parks or recreational areas within the visual foreground zone of the Routes.

None of the Substation A Routes are within the visual foreground of US or state highway. Route 7-A is the only route to have a recorded historical and archaeological site within 1,000 feet of centerline. However, no portion of the route with any historical or archaeological areas will obstruct the visual foreground zone.

Discussion of Ecological Issues from Substation A

No critical habitat was identified within any of the eight routes from Substation A. Route 7-A is the only route that crosses NWI-mapped forested wetlands (4.9 acres within the ROW). Routes 1-A, 2-A, 3-A, and 8-A cross the most NWI-mapped scrub-shrub wetlands (4.24 acres within the ROW), and no NWI-mapped emergent wetlands. Routes 5-A, 6-A, and 7-A have significantly more length in floodways. Routes 1-A and 8-A would require the most tree clearing in the ROW.

Estimated Cost

Based on the cost estimates provided by CenterPoint Energy, Primary Transmission Line Route 4A will be the least expensive at approximately $62.9 million. Routes 5A, 6A, and 2A would be the next least expensive to build at $65.8 million for 5A, $69.0 and 6A and $69.1 million for 2A. Routes 7A and 8A will be the most expensive at approximately $83.9 and $83.9 million, respectively. Route 3A would be moderately expensive to construct at $76.8 million.

Substation A Summary

Based on the evaluated data several patterns can be identified when comparing the eight Substation A Routes:

- Of the Western routes connecting Substation A to Connection Point C, Routes 2A and 4A were the most favorable.
- For the remainder of the western routes, the route comparison focused on Hardin Store Road as the most favorable route at the northern end.
- The route from Substation A to Connection Point B was more favorable overall then the route to Connection Point A.
- No eastern routes were evaluated for Substation A as this would have meant routes making circuitous routes and going back on themselves for no clear advantage.
- Western Routes were significantly more favorable then central and central/western combinations.
- At the northern end of the western routes from Substation A, the best segments are TT-KK-GG (i.e. using Hardin Store Road)

5.1.2 Routes from Substation B

Seven primary transmission line routes originate at Substation B. These are Routes 9-B through 15-B and are summarized in **Table 5.2** below. From Substation B, routes can go either west using segment MM1 or go south using segment FF. Segment MM1 follows property lines and segment FF parallels Dobbin-Huffsmith Road for approximately half a mile. Routes 9-B, 10-B, and 11-B utilize segment MM1 and are referred to as the western grouping of Substation B Routes. Routes 12-B, 13-B, 14-B, and 15-B use segment FF. These routes are referred to as the central Substation B Routes. Routes 12-B, 13-B, and 14-B then follow DD further south then have differing paths to the respective endpoints. After FF, Route 15-B uses EE branching off to the southeast and is the eastern Substation B Route.

As discussed previously, there are four tie-in locations along the existing 138kV transmission line (A, A1, B, and C). Routes 11-B, 12-B, 13B, 14-B, and 15-B end at Connection point A, Route 10-B ends at B, and Route 9-B ends at C.

Table 5.2 Descriptions of Primary Transmission Line Routes Associated with Substation B

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[2]	Route Notes
9-B	MM1-II-HH-V-P-C	Substation B to Connection point C	Western	2.84	$ 69,611,000	Route 9-B begins at Substation B and ends at Connection Point C. The route uses many of the same series of segments as Route 8A from Substation A, from Node Y all the way to Connection Point C
10-B	MM1-II-HH-V-P-O-E-B	Substation B to Connection point B	Western	2.92	$ 61,077,000	Route 10-B begins at Substation B and ends at Connection Point B. The Route is the same as 9-B but adds segments O, E and B to access Connection Point B which is approximately 1,100 feet further south than Connection Point C.
11-B	MM1-II-HH-V-P-O-E-D-A2-A1	Substation B to Connection point A	Western	3.18	$ 64,039,000	Route 11-B begins at Substation B and ends at Connection Point A. The Route is the same as 9-B but adds segments O, E and D, A1 and A2 to access Connection Point A which is approximately 2,600 feet further south than Connection Point C.
12-B	FF-DD-BB-AA-Z-X-Q-H-F2-XX-A1	Substation B to Connection point A	Central	3.39	$ 72,838,000	Route 12-B begins at segment node X, near Substation B and ends at segment node A. This Route follows the same path as 7-A (FF-DD-BB-AA-Z-X-Q-H-F2-XX-A1).
13-B	FF-DD-BB-R2-R1-J-H-F2-XX-A1	Substation B to Connection point A	Central	3.39	$ 81,174,000	Route 13-B begins at segment node Q, near Substation B and ends at segment node A. This Route follows a central path after moving away from Dobbin-Huffsmith Road, then the southern segment F2 and ends at Connection Point A.

[2] Estimated Total Cost includes Right-of-Way, Labor and Transportation (Utility & Contract), Material and Supplies, Engineering and Administration (Utility & Contract), and Other Costs-Transmission, Distribution, and Substation.

Table 5.2 Descriptions of Primary Transmission Line Routes Associated with Substation B

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[2]	Route Notes
14-B	FF-DD-BB-R2-R1-K-L-G-F2-XX-A1	Substation B to Connection point A	Central	3.33	$ 78,138,000	Route 14-B begins at segment node X, near Substation B and ends at segment node A. This Route has the same beginning as 13-B (FF,DD,BB,R2,R1). After R1, this Route continues south for approximately 3,000 feet before turning west and ending at the Connection Point A.
15-B	FF-EE-T-S-M-G-F2-XX-A1	Substation B to Connection point A	Eastern	3.96	$ 89,641,000	Route 15-B begins at segment node X, near Substation B and ends at segment node A. This is the only eastern route using the segment train FF-EE-T-S. This Route follows the most southern/eastern route option into Connection Point A.

Discussion of Comparative Routing Data for the Substation B Routes

The Land use, ecological and constructability data collected for the routes from the B Substation are summarized in **Appendix B** and summarized below:

Discussion of Land Use from Substation B

Among the seven B Routes, Route 9-B is the shortest, followed by the other two western routes, 10-B and 11-B. The western routes also cross the fewest parcels. All Substation B Routes cross the same number of railroads, transmission pipelines distribution lines, and electric transmission lines. The number of local roads and streets crossed varies, the western grouping of routes (9-B, 10-B, and 11-B) cross two, while 12-B crosses six, 13-B and 15-B cross seven, and 14-B crosses five.

The central Substation B Routes (12-B, 13-B, and 14-B) all have two existing habitable structures that may require removal, while the other B routes do not. The central and eastern route options have significantly more existing likely habitable structures within 300-feet of the primary transmission line Substation B Routes than the western routes.

Discussion of Aesthetic Values from Substation B

As discussed above for the Substation A Routes, the Project is in the Houston Metropolitan Area, by the cities of Magnolia, the Woodlands, and Tomball. No county or local parks, nor any wildlife parks are located within the study area. Therefore, no routes from Substation B will have any parks or recreational areas located within the visual foreground zone of the Routes.

The Substation B Routes are not within the visual foreground of US or state highways. The central and eastern routes (12-B, 13-B, 14-B, and 15-B) have a recorded historical and archaeological site within 1,000 feet of centerline while the western routes do not. However, no portion of the route with any historical or archaeological areas will obstruct the visual foreground zone.

Discussion of Ecological Issues from Substation B

No critical habitat was identified within any of the seven routes from Substation B. The western routes do not cross any NWI-mapped forested wetlands while the other four routes do: 12-B, 13-B, and 15-B cross 4.9 acres each, and 14-B crosses 6.18 acres. One of western routes (9-B) crosses the most mapped scrub-shrub wetlands (4.24 acres), and no route crosses any mapped emergency wetlands. The central and eastern Substation B Routes have significantly more length in floodways. The western routes would require the most tree clearing in the ROW.

Estimated Cost

Based on the cost estimates provided by CenterPoint Energy, Primary Transmission Line Route 10B will be the least expensive at approximately $61.1 million. Routes 9B and 11B would be the next least expensive to build at $69.6 million and $64.0 million, respectively. Route 15B will be the most expensive at approximately $89.6 million. Route 14B would be moderately expensive to construct at $78.1 million.

Substation B Summary

Based on the evaluated data several patterns can be identified when comparing the seven Substation B Routes. These findings are described below.

- Of the three western routes from Substation B, Route 10-B is the most favorable according to the data collected. This reflects the same preferences as the western routes from Substation A that also identified the route tending at Connection point B as the most favorable.
- From Substation B, the western routes are all significantly better than the central and eastern routes.

5.1.3 Routes Substation C

Eight primary transmission line routes originate at Substation C. These are Routes 16-C through 23-C and are summarized in **Table 5.3** below. From Substation C, there are three options evaluated; the first option uses segment RR which heads to the west, the second option uses segment U to head south, and the third option uses VV going to the north. All three options out of Substation C follow parcel boundaries.

Routes 16-C through 20-C use the segment RR. After RR, Route 16-C takes a northern option and 17-C takes a southern option before continuing west with segments MM2-MM1-II-H-VH-V, these routes are considered the western grouping of Substation C Routes. Routes 18-C, 19-C, and 20-C also use segment RR and then continue south paralleling Dobbin-Huffsmith Road using Segment FF, these routes are referred to as the central routes. Routes 21-C and 22-C use Segment U out of Substation C and are considered the eastern grouping of routes. Additionally, Route 23-C is in the western group as after it goes north it follows Hardin Store Road down to segment P where it meets up with the other western Substation C Routes.

As disused previously, there are four tie-in locations (A, A1, B, and C). Routes 16-C, 18-C, and 20-C end at Connection point A, Routes 21-C and 22-C end at A1, and 17-C, 19-C, and 23-C end at B.

Discussion of Comparative Routing Data for the Substation C Routes

The Land use, ecological and constructability data collected for the routes from the C Substation are summarized in **Appendix B** and summarized below:

Table 5.3 Descriptions of Primary Transmission Line Routes Associated with Substation C

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[3]	Route Notes
16-C	RR-PP-QQ-NN-MM2-MM1-II-HH-V-P-O-E-D-A2-A1	Substation C to Connection point A1	Western	3.69	$ 76,948,000	Route 16-C begins at segment node DD, near Substation C and ends at Connection Point A1. The route uses many of the same series of segments as Route 11-B from Substation B, from Node II all the way to Connection Point A1.
17-C	RR-PP-OO-MM2-MM1-II-HH-V-P-O-E-B	Substation C to Connection point B	Western	3.40	$ 72,758,000	Route 17-C begins at segment node DD, near Substation C and ends at Connection Point B. The Route is similar to 16-B but uses segment OO instead of QQ-NN and ends at Connection Point B instead of A1.
18-C	RR-PP-QQ-NN-FF-DD-BB-AA-Z-X-Q-H-F2-XX-A1	Substation C to Connection point A	Central	3.78	$ 84,437,000	Route 18-C begins at segment node CC, near Substation C and ends at Connection Point A. Then moves west to segment node FF and begins paralleling Dobbin-Huffsmith Road, following the same path as Route 7-A.
19-C	RR-PP-QQ-NN-FF-DD-BB-R2-R1-J-I-E-B	Substation C to Connection point B	Central	3.62	$ 85,340,000	Route 19-C begins at segment node CC, near Substation C and ends at Connection Point B. This route follows the same path as 18-C until after segment BB, then it adds R2,R1,J,I,E, and B.
20-C	RR-PP-QQ-NN-FF-DD-BB-R2-R1-J-H-F2-XX-A1	Substation C to Connection point A	Central	3.78	$ 89,805,000	Route 20-C begins at segment node CC, near Substation C and ends at Connection Point A. This Route is the same as Route 19-C, but adds H,F2,XX,A1 to get further south to the Connection Point A.

[3] Estimated Total Cost includes Right-of-Way, Labor and Transportation (Utility & Contract), Material and Supplies, Engineering and Administration (Utility & Contract), and Other Costs-Transmission, Distribution, and Substation.

Table 5.3 Descriptions of Primary Transmission Line Routes Associated with Substation C

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	Estimated Total Cost (US Dollars)[3]	Route Notes
21-C	U-S-N-L-G-F2-XX-WW	Substation C to Connection point A1	Eastern	4.07	$ 82,922,000	Route 21-C begins at segment node CC, near Substation C and ends at Connection Point A1. This is one of two routes that uses segment U. Route 21-C uses segment N and L before following the southernmost route option into the most southern Connection Point A1.
22-C	U-S-M-G-F2-XX-WW	Substation C to Connection point A1	Eastern	4.11	$ 89,368,000	Route 22-C begins at segment node CC, near Substation C and ends at Connection Point A1. Starts the same as Route 21-C until segment node M, where this Route parallels Dobbin-Huffsmith Road for approximately 6,600 feet then meets back up with Route 21-C for the last three segments into Connection Point A1 (F2,XX,WW).
23-C	VV-TT-KK-GG-P-O-E-B	Substation C to Connection point B	Western	3.90	$ 68,303,000	Route 23-C begins at segment node DD, near Substation C and ends at Connection Point B. This is the only Route that uses the segment VV. After VV, Route 23-C follows the same path as Route 4-A.

Discussion of Land Use from Substation C

Among the eight C Routes, Route 17-C is the shortest, followed by 19-C and 16-C. Route 21-C crosses the least parcels. All Substation B Routes cross the same number of railroads, distribution lines, and transmission lines. The number of transmission pipelines varies, the two eastern routes crossing eight while the western and central routes cross six. The number of local roads and streets crossed varies as well between 3 and 7 crossings.

The central Substation B Routes (12-B, 13-B, and 14-B) all have two existing habitable structures potentially to be relocated/removed while the other B routes do not. Within 300-feet of the primary transmission line Substation B Routes, the central and eastern route options have significantly more existing likely habitable structures than the western routes.

Discussion of Aesthetic Values from Substation C

As discussed above for the Substation A and B Routes, the Project is in the Houston Metropolitan Area, by the cities of Magnolia, the Woodlands, and Tomball. No county or local parks, nor any wildlife parks are located within the study area. Therefore, no routes from Substation C will have any parks or recreational areas located within the visual foreground zone of the Routes.

The Substation C Routes are not within the visual foreground of US or state highways. Some central and both eastern routes (18-C, 20-C, 21-C, and 22-C) have a recorded historical and archaeological site within 1,000 feet of centerline while the western routes do not. However, no portion of the route with any historical or archaeological areas will obstruct the visual foreground zone.

Discussion of Ecological Issues from Substation C

No critical habitat was identified within any of the eight routes from Substation C. The western routes do not cross any mapped forested wetlands while the other four routes do: 18-C, 20-C, and 22-C cross 4.90 acres each, 19-C crosses 2.36 acres, and 21-C crosses 12.11 acres. The central routes cross the most mapped scrub-shrub wetlands, and no route crosses any mapped emergency wetlands. The eastern Substation C Routes have significantly more length in floodways. The central routes would require the least tree clearing in the ROW.

Estimated Cost

Based on the cost estimates provided by CenterPoint Energy, Primary Transmission Line Route 23C will be the least expensive at approximately $68.3 million. Route 16C and 17C would be the next least expensive to build at $77.0 million and $72.8 million, respectively. Routes 20C and 22C will be the most expensive at approximately $89.8 million and $89.4 million, respectively. Routes 18C and 19C would be moderately expensive to construct at $84.4 million and $85.3 million.

Substation C Summary

Based on the evaluated data several patterns can be identified when comparing the seven Substation C Routes. These findings are described below.

- The three western routes from Substation C are the most favorable according to the data collected.

- Of the three, Route 17-C is the most favorable. This reflects the same preferences as the western routes from Substation A and Substation B and the identified tending at Connection point B as the most favorable.

5.1.4 Consolidated Route Comparison Table

Table 5.4 summarizes the data discussed above for the 23 Primary Transmission Line Routes associated with substation A, B, and C.

Table 5.4. Consolidated Route Comparison

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	*Estimated Total Cost (US Dollars)
1-A	TT-LL-II-HH-V-P-C	Substation A to Connection Point C	Western	3.3	$ 80,729,000
2-A	TT-KK-GG-P-C	Substation A to Connection Point C	Western	3.0	$ 69,053,000
3-A	TT-KK-JJ-HH-V-P-C	Substation A to Connection Point C	Western	3.1	$ 76,844,000
4-A	TT-KK-GG-P-O-E-B	Substation A to Connection Point B	Western	3.1	$ 62,866,000
5-A	TT-KK-GG-P-O-E-D-A2-A1	Substation A to Connection Point A	Western	3.3	$ 65,762,000
6-A	TT-KK-GG-P-O-E-D-A2-WW	Substation A to Connection Point A1	Western	3.4	$ 68,966,000
7-A	SS-NN-FF-DD-BB-Z-X-Q-H-F2-XX-A1	Substation A to Connection point A1	Central	3.9	$ 83,885,000
8-A	SS-NN-MM2-MM1-II-HH-V-P-C	Substation A to Connection Point C	Central/Western	3.4	$ 83,948,000
9-B	MM1-II-HH-V-P-C	Substation B to Connection point C	Western	2.8	$ 69,611,000
10-B	MM1-II-HH-V-P-O-E-B	Substation B to Connection point B	Western	2.9	$ 61,077,000
11-B	MM1-II-HH-V-P-O-E-D-A2-A1	Substation B to Connection point A	Western	3.2	$ 64,039,000
12-B	FF-DD-BB-AA-Z-X-Q-H-F2-XX-A1	Substation B to Connection point A	Central	3.4	$ 72,838,000

Table 5.4. Consolidated Route Comparison

Route ID	Route Segments	Starting and Ending Points	Route Type	Length (miles)	*Estimated Total Cost (US Dollars)
13-B	FF-DD-BB-R2-R1-J-H-F2-XX-A1	Substation B to Connection point A	Central	3.4	$ 81,174,000
14-B	FF-DD-BB-R2-R1-K-L-G-F2-XX-A1	Substation B to Connection point A	Central	3.3	$ 78,138,000
15-B	FF-EE-T-S-M-G-F2-XX-A1	Substation B to Connection point A	Eastern	4.0	$ 89,641,000
16-C	RR-PP-QQ-NN-MM2-MM1-II-HH-V-P-O-E-D-A2-A1	Substation C to Connection point A1	Western	3.7	$ 76,948,000
17-C	RR-PP-OO-MM2-MM1-II-HH-V-P-O-E-B	Substation C to Connection Point B	Western	3.4	$ 72,758,000
18-C	RR-PP-QQ-NN-FF-DD-BB-AA-Z-X-Q-H-F2-XX-A1	Substation C to Connection point A	Central	3.8	$ 84,437,000
19-C	RR-PP-QQ-NN-FF-DD-BB-R2-R1-J-I-E-B	Substation C to Connection point B	Central	3.6	$ 85,340,000
20-C	RR-PP-QQ-NN-FF-DD-BB-R2-R1-J-H-F2-XX-A1	Substation C to Connection point A	Central	3.8	$ 89,805,000
21-C	U-S-N-L-G-F2-XX-WW	Substation C to Connection point A1	Eastern	4.1	$ 82,922,000
22-C	U-S-M-G-F2-XX-WW	Substation C to Connection point A1	Eastern	4.1	$ 89,368,000
23-C	VV-TT-KK-GG-P-O-E-B	Substation C to Connection point B	Western	3.9	$ 68,303,000

5.2 SELECTION OF THE ROUTE WHICH BEST ADDRESSES THE REQUIREMENTS OF PURA AND P.U.C. SUBSTANTIVE RULES

Based on the comparison discussed in the previous section, nine Alternative Routes were selected as the group of routes that best address the requirements of PURA and the PUC Substantive Rules. These include routes from all three substation options. The routes selected are: 2-A, 4-A, 5-A, 9-B, 10-B, 11-B, 16-C, 17-C, and 23-C. **Table 5.5** summarizes the data tabulated for the Key Evaluation Criteria for the nine Alternative Routes. The Alternative Routes provide geographic diversity and comply with Section 37.056(c)(4)(A)-(D) of PURA, P.U.C. Procedural Rule 22.52 (a)(4), P.U.C. Substantive Rule 25.101(b)(3)(B), and the PUC's Policy of Prudent Avoidance.

Alternative Route 4-A (Segments: TT,KK,GG,P,O,E,B) is recommended as the alternative route that best addresses the requirements of PURA and the PUC Substantive Rules. This alternative begins at Substation A then runs southwest along property lines and parallel to Hardin Store Road on the northwest side before crossing the road and paralleling on the southeast side for another 0.4 miles. The Route then goes south for approximately 1.5 miles to Node D, then southwest into tie-in B. This route minimizes Biological and Ecological constraints as it crosses the least mapped NWI PFO wetlands and mapped hydric soils. Route 4A has no existing habitable structures to be relocated or removed as there are no likely habitable structures within 100 feet of the centerline. This Route is not located within the foreground visual zone of any parks or recreational areas and does not have any recorded historical or archaeological sites within 1,000 feet of the centerline. Additionally, CenterPoint Energy estimates that this route would be the least expensive to construct.

Table 5.5. Criteria and Data Tabulation for the Alternative Routes

Alternative Routes									
	2-A	4-A	5-A	9-B	10-B	11-B	16-C	17-C	23-C
Number of recorded historical and ‘archaeological sites crossed within ROW	0	0	0	0	0	0	0	0	0
Number of additional recorded historical and archaeological sites within 1,000 feet of centerline	0	0	0	0	0	0	0	0	0
Number of parcels crossed	32	29	29	19	16	16	20	20	37
Total grouped parcels crossed	5	7	7	3	5	5	5	5	7
Parcel boundaries paralleled (percentage)	90.24	83.70	94.19	91.90	85.01	95.84	96.09	86.78	82.86
Agricultural land (linear mileage)	0.71	0.74	0.58	0.71	0.74	0.58	0.58	0.74	0.74
Transmission lines <69kV paralleled (linear mileage)	0.91	0.91	0.91	0.00	0.00	0.00	0.00	0.00	1.25
Transmission lines >69kV paralleled (linear mileage)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pipelines paralleled (transmission) (linear mileage)	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Pipelines paralleled (gathering, distribution) (linear mileage)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Restricted access roads paralleled (highways) (linear mileage)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5.5. Criteria and Data Tabulation for the Alternative Routes

Alternative Routes									
	2-A	**4-A**	**5-A**	**9-B**	**10-B**	**11-B**	**16-C**	**17-C**	**23-C**
Local roads paralleled (linear mileage)	0.92	0.92	0.92	0.21	0.21	0.21	0.42	0.27	1.27
Length parallel to ditch/canal (feet)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Length parallel to existing railroad ROW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Number of recorded hazardous materials sites within 1,000 feet of centerline	0	0	0	0	0	0	0	0	0
Number of heliports within 5,000 feet of route centerline	0	0	0	0	0	0	0	0	0
Number of private airstrips within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0
Number of FAA-listed airports within 10,000 feet of route centerline having no runway more than 3,200 feet	0	0	0	0	0	0	0	0	0
Number of FAA-listed airports within 20,000 feet of route centerline having at least one runway more than 3,200 feet	0	0	0	0	0	0	0	0	0
Technical/Constructability Issues									
Length (feet)	15734	16104	17477	14995	15418	16790	19483	17952	20592
Length (miles)	2.98	3.05	3.31	2.84	2.92	3.18	3.69	3.40	3.90

Table 5.5. Criteria and Data Tabulation for the Alternative Routes

Alternative Routes									
	2-A	4-A	5-A	9-B	10-B	11-B	16-C	17-C	23-C
Angles >30 degrees	10	7	8	11	8	9	12	12	9
Number of U.S. and state highway crossings	0	0	0	0	0	0	0	0	0
Local roads and streets crossed	4	4	4	2	2	2	3	3	5
Number of railroad crossings	1	1	1	1	1	1	1	1	1
Number of pipeline crossings (gathering, distribution)	0	0	0	0	0	0	0	0	0
Number of pipeline crossings (transmission)	5	5	5	5	5	5	6	6	6
Number of existing distribution line crossings	1	1	1	0	0	0	0	0	2
Number of existing transmission line crossings	2	2	2	2	2	2	2	2	2
Number of existing habitable structures potentially to be relocated/removed	1	1	1	0	0	0	0	0	1
Number of existing structures potentially to be relocated/removed	2	1	1	1	0	0	0	0	1
Likely habitable structures within 300 feet of centerline	28	22	22	34	28	28	34	34	30
Slope (>20%) (Linear miles of individual segments spanning > 500')	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Table 5.5. Criteria and Data Tabulation for the Alternative Routes

Alternative Routes									
	2-A	**4-A**	**5-A**	**9-B**	**10-B**	**11-B**	**16-C**	**17-C**	**23-C**
Oil & Gas Wells (Count within 200')	0	0	0	0	0	0	0	0	0
Karst features (linear mileage)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ecological and Biological									
Total National Hydrography Dataset (NHD) streams crossed	6	6	5	6	6	5	5	6	6
Length across NWI PFO mapped wetlands (acres)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Length across NWI PSS mapped wetlands (acres)	4.24	1.08	1.08	4.24	1.08	1.08	1.08	1.08	1.08
Length across NWI PEM mapped wetlands (acres)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Length across floodway (feet)	1,421	1,505	3,571	1,421	1,505	3,571	3,571	1,505	1,505
Length across 100-year floodplains (feet)	5,464	6,718	8,903	5481.00	6,736	8,921	8,921	6,736	6,718
Tree clearing required in the 80ft ROW (based on NLCD land cover, in acres)	16.44	16.49	17.48	18.97	19.02	20.01	23.26	23.18	22.49
Length across mapped hydric soils (miles)	1.31	1.33	1.53	1.98	2.00	2.20	2.20	2.00	1.67
Length across critical habitat of federally listed threatened or endangered species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5.5. Criteria and Data Tabulation for the Alternative Routes

Alternative Routes									
	2-A	**4-A**	**5-A**	**9-B**	**10-B**	**11-B**	**16-C**	**17-C**	**23-C**
Cost									
Estimated Total Cost (USD)[4]	$69,053,000	$62,866,000	$65,762,000	$69,611,000	$61,077,000	$64,039,000	$76,948,000	$72,758,000	$68,303,000

[4] Estimated Total Cost includes Right-of-Way, Labor and Transportation (Utility & Contract), Material and Supplies, Engineering and Administration (Utility & Contract), and Other Costs-Transmission, Distribution, and Substation.

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Appendix A

Agency Correspondence and Public Involvement

Agency Letter

14701 St. Mary's Ln., Ste. 500
Houston, TX 77079

T 281.616.0100
TRCcompanies.com

November 4, 2022

Attn:
Title
Agency
Street Address
City, State, Zip Code

Re: Request for Information, CenterPoint Energy Proposed 138 kV Mill Creek Substation and Transmission Line

Dear Name:

CenterPoint Energy Houston Electric, LLC (CenterPoint) is proposing to design and construct a new 138-kilovolt (kV) transmission line in the southwestern portion of Montgomery County, Texas to connect to a proposed new substation to be called the Mill Creek Substation. The proposed new double-circuit 138 kilovolt (kV) transmission line north of the City of Tomball in southwestern Montgomery County, Texas would be constructed between the existing 138 kV Circuit 81 near Pinehurst Substation, located at 151 Coe Road to a proposed substation site in the vicinity of Hardin Store Road and Dobbin-Hufsmith Road in Montgomery County. The proposed transmission line will be approximately 2 to 4 miles long and will require a 80-foot wide right-of-way.

TRC Environmental (TRC) is preparing an Environmental Assessment (EA) for the proposed project that will support CenterPoint's application for a Certificate of Convenience and Necessity from the Public Utility Commission of Texas (PUCT). TRC is in the process of collecting and evaluating environmental data for the study area. As part of this effort, we are asking that your agency/office relate any environmental or land use concerns that you may have regarding the siting and potential environmental effects from the construction of the proposed line in the Study Area designated on the attached map.

Additionally, if any permits, easements, or other approvals by your agency/office are required, or if you are aware of any major proposed development or construction in the study area, we would also appreciate receiving this information as well.

Your input on any of the following resources as they relate to your agency or office will assist the project team in evaluating the proposed project:

- Land use (current or proposed land development projects, park/recreation areas, etc.)
- Aesthetics
- Water quality and wetlands
- Soils and geology
- Wildlife, vegetation, and fisheries (including threatened and endangered species)
- Socioeconomics (population, employment, growth, current/future development)
- Cultural resources (historic and archeological)

- Transportation and roads (airport and roadway expansions, construction, operations, and maintenance)
- Cultural and historical resources

Upon approval of a final route for the proposed project by the PUCT, CenterPoint will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, CenterPoint will contact your office following approval of a final route.

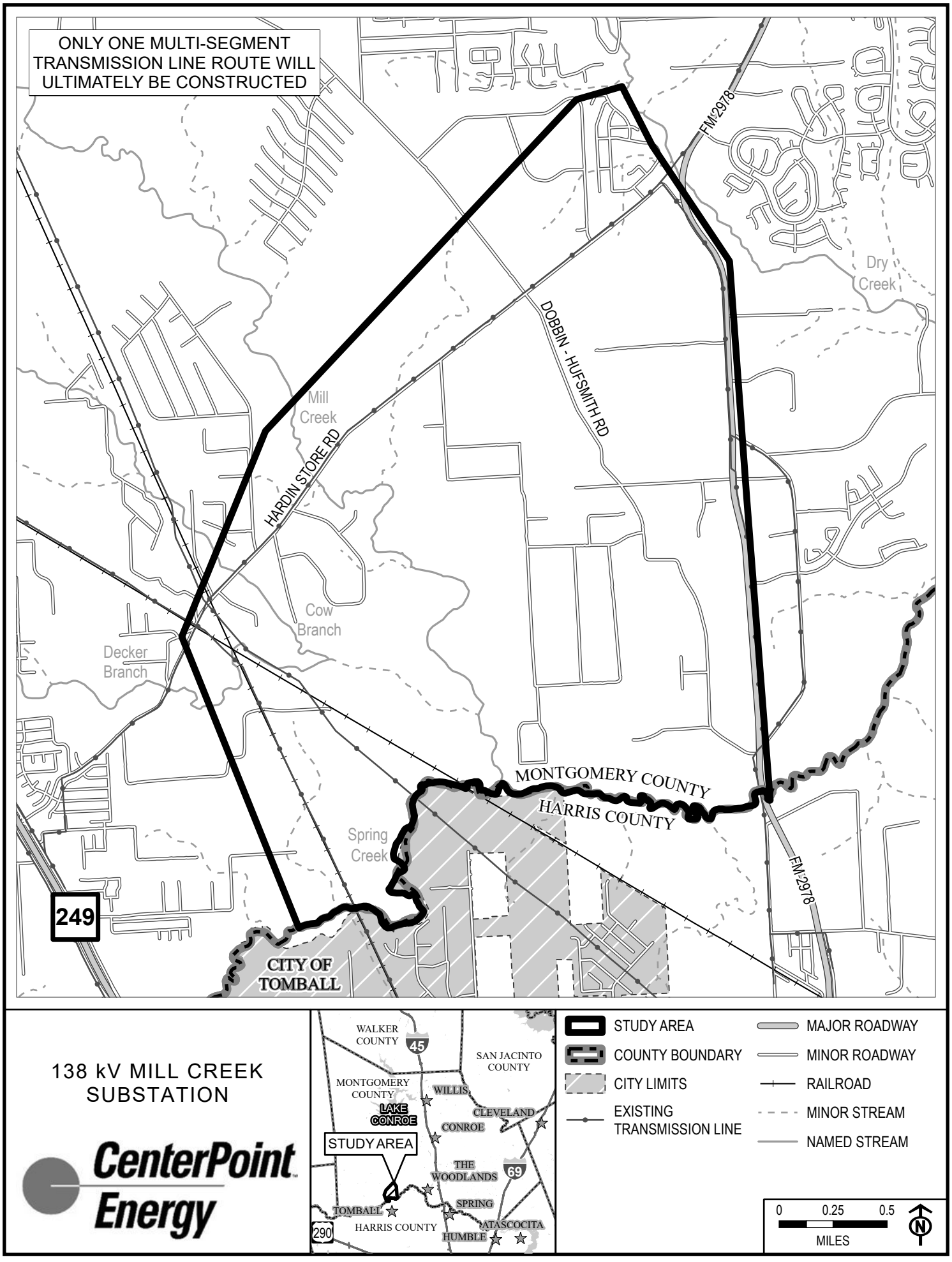
CenterPoint and TRC appreciates your time in reviewing this and would like to thank you in advance for your comments. If you have any questions concerning this project or our request for information, please contact me at WTabone@trccompanies.com or (713) 244-1065. We would like to receive your reply by November 18, 2022.

Sincerely,

Wendy Tabone

Wendy Tabone
Regional Natural Resources Lead/
Senior Project Manager

Attachment: map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DOBBIN - HUFSMITH RD
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Cow Branch
Decker Branch
MONTGOMERY COUNTY
HARRIS COUNTY
Spring Creek
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249
CITY OF TOMBALL
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
WALKER COUNTY
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SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
LAKE CONROE
CLEVELAND
CONROE
STUDY AREA
THE WOODLANDS
69
SPRING
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HARRIS COUNTY
ATASCOCITA
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MAJOR ROADWAY
MINOR ROADWAY
RAILROAD
MINOR STREAM
NAMED STREAM
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Agency Letter Recipients

USACE Galveston District
Col. Rhett A. Blackmon, Commander
P.O. Box 1229
Galveston, TX 77553-1229

Federal Aviation Administration
Mr. Rob Lowe, SW Reg. Admin.
10101 Hillwood Parkway
Fort Worth, TX 76177

TCEQ
Nicole Bealle, Regional Director
5425 Polk St.
Ste H
Houston TX 77023-1452

THC
Mr. Mark Wolfe, Exec Dir, SHPO
P.O Box 12276
Austin, TX 78701-1495

NRCS
Dylan Hoecker, District Conservationist
2 Financial Plz Ste. 735
Huntsville, TX 77340-3555

TxDOT
Jessica Butler, P.E., Dir. Transportation
Planning and Programming
6230 E Stassney Lane
Austin, Texas 78744

Rep. Steve Toth, District 15
25700 Interstate 45 North
Suite 100
Spring, TX 77386

Lori Klein Quinn – Mayor
Tomball City Hall
401 Market Street
Tomball, TX 77375

The Woodlands Township
Monique Sharp – President and CEO
2801 Technology Forest Blvd.
The Woodlands, TX 77381

Montgomery County Commissioner
James Noack
1130 Pruitt Rd.
Spring, TX 78840

U. S. EPA, Region 6
Earthea Nance, PhD, PE
Regional Administrator
1201 Elm Street, Suite 500
Dallas, TX 75270

Kristy Oates, State Conservationist
NRCS Texas State Office
101 South Main Street
Temple, TX 76501

TxDOT
Eliza Paul, P.E., District Engineer
Houston District Office
7600 Washington Ave.
Houston TX 77007

Texas Land Trust Council
Ms. Lori Olson, Executive Director
P.O. Box 2677
Wimberley, TX 78676

TX Water Development Board
Jeff Walker, Executive Administrator
Water Supply and Infrastructure
PO Box 13231
Austin, TX 78711-3231

TxDOT
Mr. Dan Harmon
Director, Aviation Division
125 E. 11th Street
Austin, TX 78701-2483

Rep. Cecil Bell, District 3
18230 FM 1488, Ste. 302
Magnolia, TX 77354

Todd Kana – Mayor
City of Magnolia
18111 Buddy Riley Blvd.
Magnolia, TX 77354

Mark J. Keough,
Montgomery Cnty Judge
501 North Thompson
Suite 401 – Fourth Floor
Conroe, TX 77301

San Jacinto River Authority
SJRA Main Office
P.O. Box 329
Conroe, TX 77305

U. S. Geological Survey
Attn: Holly Weyers, Region 6 Director –
Oklahoma-Texas Water Science Center
19241 David Memorial Dr.
Conroe, TX 77385

Mr. Ronald Tickle, Deputy Assistant
Secretary of Defense for Real Property
3400 Defense Pentagon, Room 5C646
Washington, DC 20301-3400

TxDOT
Mr. Carlos Swonke, P.G., Dir. of
Environmental Affairs Division
125 E. 11th Street
Austin, TX 78701-2483

Mr. Glenn Rosenbaum – Manager,
TX General Land Office
Right-Of-Way Division
1700 Congress Avenue
Austin, TX 78701-1495

Railroad Commission of Texas
Wei Wang – Executive Director
P.O. Box 12967
Austin, TX 78711-2967

The Honorable Brandon Creighton
2829 Technology Forest, Suite 240
The Woodlands, TX 77381

City of Tomball – Planning and Zoning
Commission
Jared Smith – City Planner
501 James St.
Tomball, Texas, 77375

Don Doering – City Administrator
City of Magnolia
18111 Buddy Riley Blvd.
Magnolia, TX 77354

Montgomery County Commissioner
Charlie Riley
19110 Unity Park Drive
Magnolia, TX 77355

John K. McKinney Jr.. Esq. – Floodplain
Administrator, Montgomery County
501 North Thompson Suite 100
Conroe, TX 77301

Montgomery County
Jeff Johnson, P.E. – County Engineer
501 North Thompson, Suite 103
Conroe, Texas 77301

Dr. Todd Stephens, Superintendent,
Magnolia Independent School District
31141 Nichols Sawmill Road
Magnolia, TX 77355

Piney Woods Wildlife Society
Kathy Coward - President
709 Riley Fuzzel Rd.
Spring, TX 77353

Montgomery County Historical Commission
c/o Larry Foerster, Chairman
414 West Phillips St., Suite 100
Conroe, TX 77301

Montgomery County/TCEQ FEMA
Scott Nichols – Director
501 North Thompson Suite 101
Conroe, TX 77301

Houston-Galveston Area Council
Darryl Briscoe – Planner
Community Development Grants
P.O. Box 22777
Houston, TX 77227-2777

Bayou Land Conservancy
10330 Lake Rd #J
Houston, TX 77070

Dr. Curtis Null, Superintendent,
Conroe Independent School District
3205 West Davis
Conroe, Texas 77304

Dr. Martha Salazar Zamora,
Superintendent, Tomball Independent School District
310 South Cherry Street
Tomball, TX 77375

Friends of Texas Wildlife
29615 Highland Blvd.
Magnolia, TX 77354

Agency Letter Examples

14701 St. Mary's Ln., Ste. 500
Houston, TX 77079

T 281.616.0100
TRCcompanies.com

November 9, 2022

Attn: Col. Rhett A. Blackmon
Commander
USACE Galveston District
P.O. Box 1229
Galveston, TX 77553-1229

Re: Request for Information, CenterPoint Energy Proposed 138 kV Mill Creek Substation and Transmission Line

Dear Colonel Blackmon:

CenterPoint Energy Houston Electric, LLC (CenterPoint) is proposing to design and construct a new 138-kilovolt (kV) transmission line in the southwestern portion of Montgomery County, Texas to connect to a proposed new substation to be called the Mill Creek Substation. The proposed transmission line would be constructed between the existing Circuit 81 near Pinehurst Substation, located at 151 Coe Road to a proposed substation site in the vicinity of Hardin Store Road and Dobbin-Hufsmith Road in Montgomery County. The proposed transmission line will be approximately 2 to 4 miles long and will require a 100-foot wide right-of-way.

TRC Environmental (TRC) is preparing an Environmental Assessment (EA) for the proposed project that will support CenterPoint's application for a Certificate of Convenience and Necessity from the Public Utility Commission of Texas (PUCT). TRC is in the process of collecting and evaluating environmental data for the study area. As part of this effort, we are asking that your agency/office relate any environmental or land use concerns that you may have regarding the siting and potential environmental effects from the construction of the proposed line in the Study Area designated on the attached map.

Additionally, if any permits, easements, or other approvals by your agency/office are required, or if you are aware of any major proposed development or construction in the study area, we would also appreciate receiving this information as well.

Your input on any of the following resources as they relate to your agency or office will assist the project team in evaluating the proposed project:

- Land use (current or proposed land development projects, park/recreation areas, etc.)
- Aesthetics
- Water quality and wetlands
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- Wildlife, vegetation, and fisheries (including threatened and endangered species)
- Socioeconomics (population, employment, growth, current/future development)
- Cultural resources (historic and archeological)

- Transportation and roads (airport and roadway expansions, construction, operations, and maintenance)
- Cultural and historical resources

Upon approval of a final route for the proposed project by the PUCT, CenterPoint will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, CenterPoint will contact your office following approval of a final route.

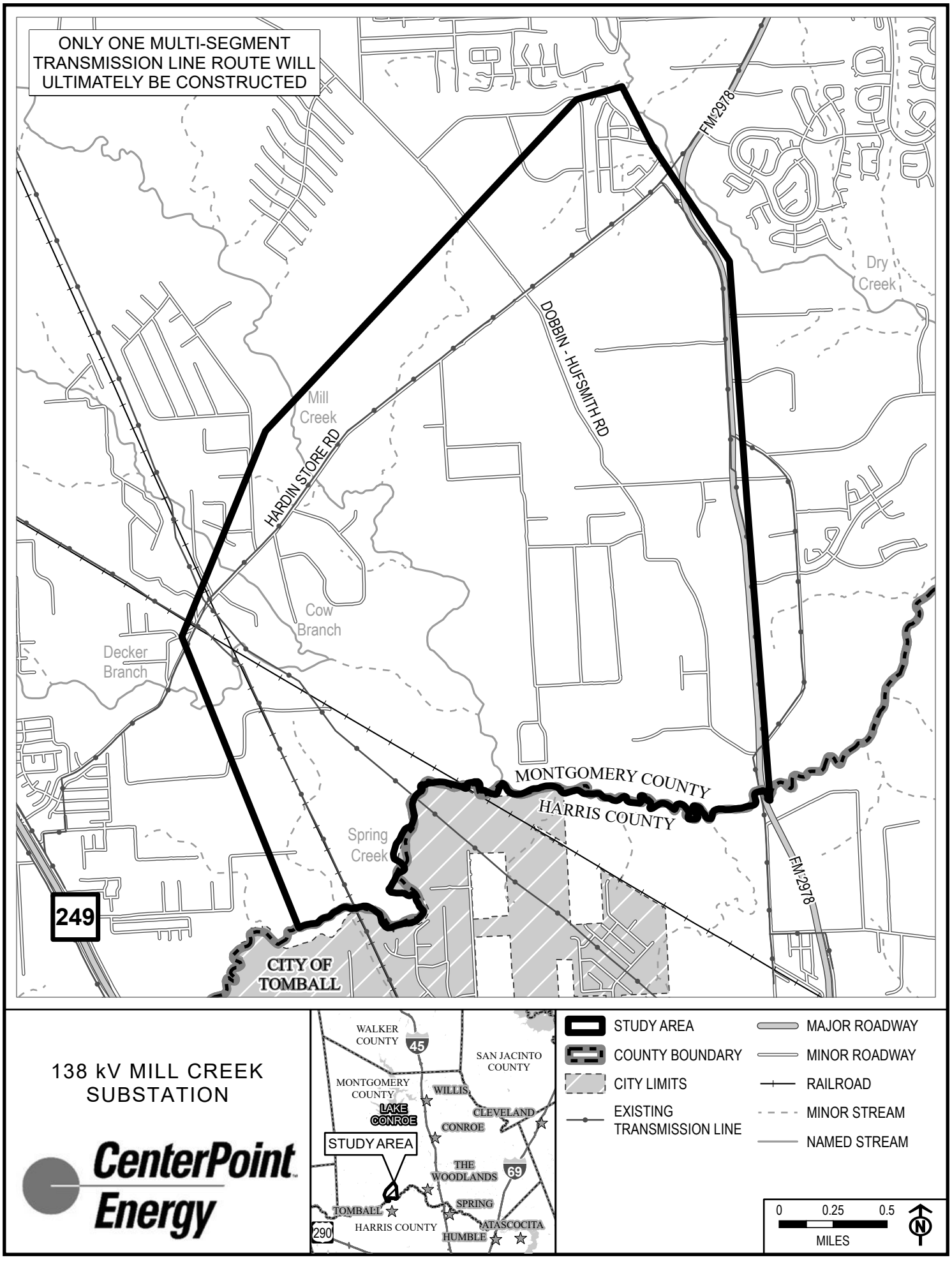
CenterPoint and TRC appreciates your time in reviewing this and would like to thank you in advance for your comments. If you have any questions concerning this project or our request for information, please contact me at WTabone@trccompanies.com or (713) 244-1065. We would like to receive your reply by November 18, 2022.

Sincerely,

Wendy Tabone

Wendy Tabone
Regional Natural Resources Lead/
Senior Project Manager

Attachment: map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14701 St. Mary's Ln., Ste. 500
Houston, TX 77079

T 281.616.0100
TRCcompanies.com

November 9, 2022

Attn: Texas Parks and Wildlife Department
Wildlife Habitat Assessment Program
Laura Zebehazy, Program Leader
4200 Smith School Road
Austin, TX 78744

Re: Request for Information, CenterPoint Energy Proposed 138 kV Mill Creek Substation and Transmission Line

Dear Ms. Zebehazy:

CenterPoint Energy Houston Electric, LLC (CenterPoint) is proposing to design and construct a new 138-kilovolt (kV) transmission line in the southwestern portion of Montgomery County, Texas to connect to a proposed new substation to be called the Mill Creek Substation. The proposed transmission line would be constructed between the existing Circuit 81 near Pinehurst Substation, located at 151 Coe Road to a proposed substation site in the vicinity of Hardin Store Road and Dobbin-Hufsmith Road in Montgomery County. The proposed transmission line will be approximately 2 to 4 miles long and will require a 100-foot wide right-of-way.

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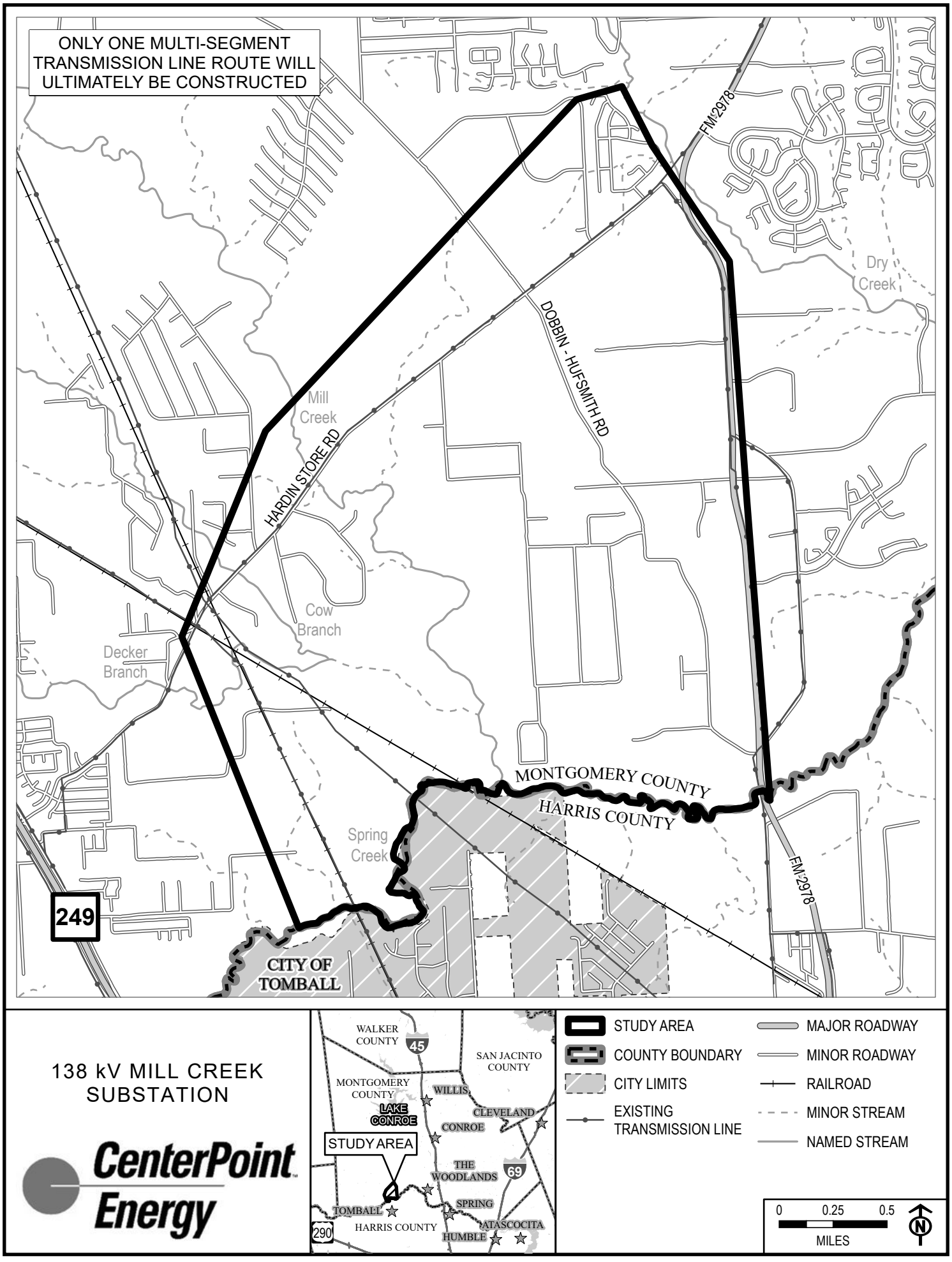
Sincerely,

Wendy Tabone

Wendy Tabone
Regional Natural Resources Lead/
Senior Project Manager

Attachment: map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14701 St. Mary's Ln., Ste. 500
Houston, TX 77079

T 281.616.0100
TRCcompanies.com

November 9, 2022

Attn: David Hoth
Assistant Field Supervisor
U. S. Fish and Wildlife Service
17629 El Camino Real, Suite 211
Houston, Texas 77058

Re: Request for Information, CenterPoint Energy Proposed 138 kV Mill Creek Substation and Transmission Line

Dear Mr. Hoth:

CenterPoint Energy Houston Electric, LLC (CenterPoint) is proposing to design and construct a new 138-kilovolt (kV) transmission line in the southwestern portion of Montgomery County, Texas to connect to a proposed new substation to be called the Mill Creek Substation. The proposed transmission line would be constructed between the existing Circuit 81 near Pinehurst Substation, located at 151 Coe Road to a proposed substation site in the vicinity of Hardin Store Road and Dobbin-Hufsmith Road in Montgomery County. The proposed transmission line will be approximately 2 to 4 miles long and will require a 100-foot wide right-of-way.

TRC Environmental (TRC) is preparing an Environmental Assessment (EA) for the proposed project that will support CenterPoint's application for a Certificate of Convenience and Necessity from the Public Utility Commission of Texas (PUCT). TRC is in the process of collecting and evaluating environmental data for the study area. As part of this effort, we are asking that your agency/office relate any environmental or land use concerns that you may have regarding the siting and potential environmental effects from the construction of the proposed line in the Study Area designated on the attached map.

Additionally, if any permits, easements, or other approvals by your agency/office are required, or if you are aware of any major proposed development or construction in the study area, we would also appreciate receiving this information as well.

Your input on any of the following resources as they relate to your agency or office will assist the project team in evaluating the proposed project:

- Land use (current or proposed land development projects, park/recreation areas, etc.)
- Aesthetics
- Water quality and wetlands
- Soils and geology
- Wildlife, vegetation, and fisheries (including threatened and endangered species)
- Socioeconomics (population, employment, growth, current/future development)
- Cultural resources (historic and archeological)

- Transportation and roads (airport and roadway expansions, construction, operations, and maintenance)
- Cultural and historical resources

Upon approval of a final route for the proposed project by the PUCT, CenterPoint will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, CenterPoint will contact your office following approval of a final route.

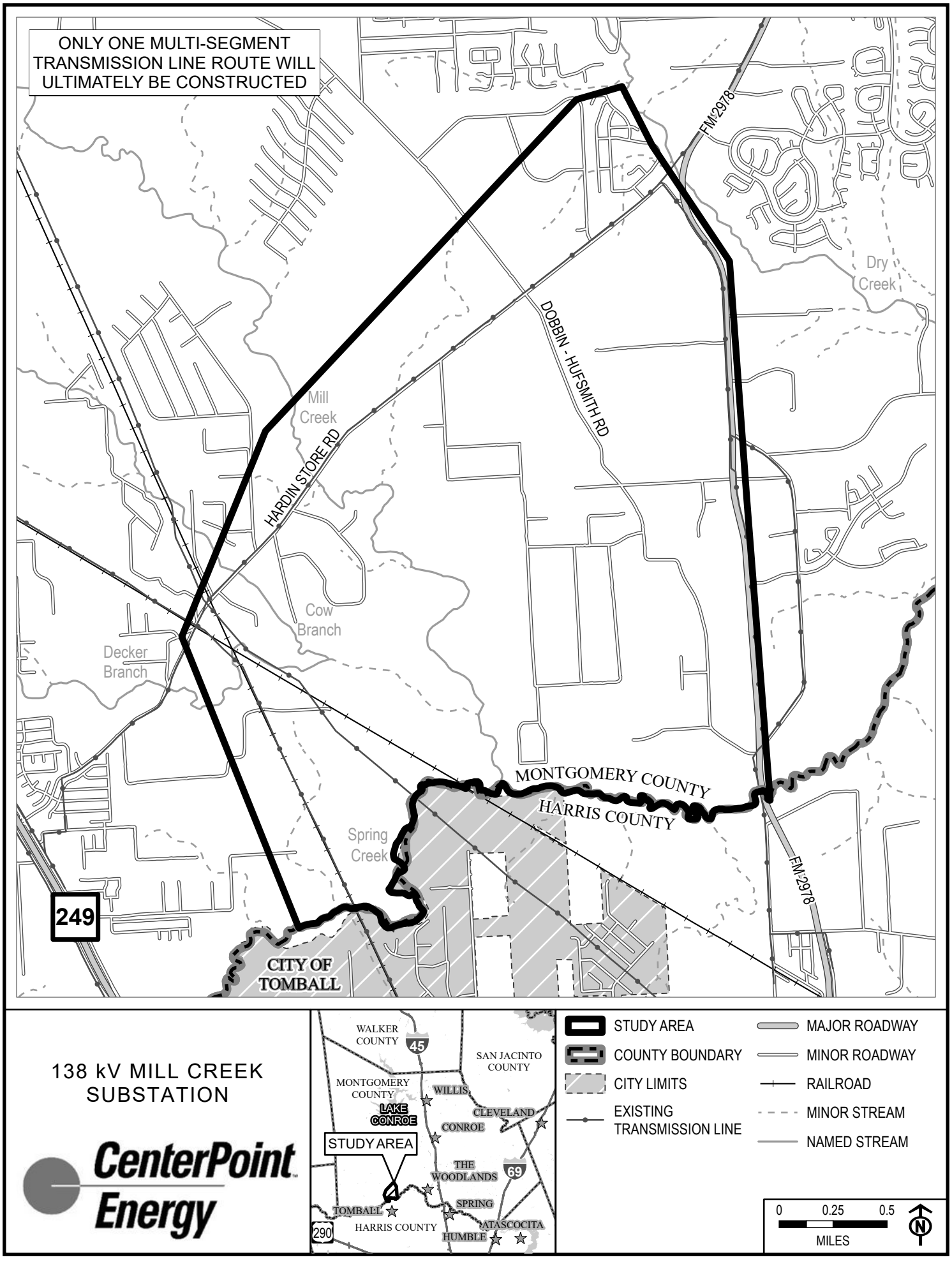
CenterPoint and TRC appreciates your time in reviewing this and would like to thank you in advance for your comments. If you have any questions concerning this project or our request for information, please contact me at WTabone@trccompanies.com or (713) 244-1065. We would like to receive your reply by November 18, 2022.

Sincerely,

Wendy Tabone

Wendy Tabone
Regional Natural Resources Lead/
Senior Project Manager

Attachment: map


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
FM 2978
Dry Creek
DOBBIN - HUFSMITH RD
Mill Creek
HARDIN STORE RD
Cow Branch
Decker Branch
MONTGOMERY COUNTY
HARRIS COUNTY
Spring Creek
FM 2978
249
CITY OF TOMBALL
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
WALKER COUNTY
45
SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
LAKE CONROE
CLEVELAND
CONROE
STUDY AREA
THE WOODLANDS
69
SPRING
TOMBALL
HARRIS COUNTY
ATASCOCITA
290
HUMBLE
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
EXISTING TRANSMISSION LINE
MAJOR ROADWAY
MINOR ROADWAY
RAILROAD
MINOR STREAM
NAMED STREAM
0
0.25
0.5
MILES
N

Agency Responses

From: Larry Foerster <foerster@dfcllp.com>
Sent: Tuesday, November 15, 2022 4:29 PM
To: Tabone, Wendy <WTabone@trccompanies.com>
Subject: [EXTERNAL] Entergy Mill Creek Substation and Proposed Transmission line

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

I have examined the map of the proposed alternate routes of the Entergy transmission line. I am not aware of any historical sites or historical structures that will be impaired by the proposed alternate routes.

Larry L. Foerster, Chair
Montgomery County Historical Commission
414 West Phillips, Suite 100
Conroe, Texas 77301
Office: 936-756-3337
Cell: 936-537-9070
foerster@dfcllpl.com

WAYNE CHRISTIAN, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
JIM WRIGHT, COMMISSIONER

DANNY SORRELLS
ASSISTANT EXECUTIVE DIRECTOR
DIRECTOR, OIL AND GAS DIVISION
LESLIE SAVAGE, P.G.
CHIEF GEOLOGIST, OIL AND GAS DIVISION

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

November 16, 2022

CenterPoint Energy Houston Electric, LLC
ATTN: Wendy Tabone, Regional Natural Resources Lead/Senior Project Manager
(via email WTabone@trccompanies.com)

Re: Request for Information
CenterPoint Energy Houston Electric, LLC
Proposed Mill Creek Substation and 138 kV Transmission Line
Montgomery County, Texas

Dear Ms. Tabone:

We have received your letter dated November 4, 2022, informing us of the referenced project and requesting any information we believe should be considered regarding the siting and potential environmental effects from the construction of the proposed transmission line.

Information is available on the Railroad Commission's Geographic Information System concerning existing oil and gas well and pipeline locations. You may access this information at http://www.rrc.state.tx.us/about-us/resource-center/research/gis-viewers/. You may access information concerning oil and gas drilling permits and pipeline permitting at https://rrc.texas.gov/about-us/resource-center/research/online-research-queries/. Information regarding surface mining operations can be found at https://rrc.texas.gov/surface-mining/.

Please contact me at 512-658-6211 or at Leslie.savage@rrc.texas.gov if you have any questions or need additional information.

Regards,

Leslie Savage

Leslie Savage, P.G.
Chief Geologist
Oil & Gas Division

From: US GOVTARMY COR <+14097663037>
Sent: Wednesday, November 16, 2022 11:24 AM
To: Tabone, Wendy <WTabone@trccompanies.com>
Subject: [EXTERNAL] Voice Mail (1 minute and 16 seconds)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its

Yes, ma'am. My name is Brian Bader. I'm with the United States Army Corps of Engineers, Galveston district. My number is four zero nine, seven, six, six three zero three seven. We received a letter from your office regarding a proposed one hundred thirty eight kilovolt transmission line for the Mill Creek substation. I am calling to set up a pre application meeting with y'all to discuss this project Y'all had requested that we review that entire area for potential permitting etcetera. The Corps of Engineers regulates the discharge of dredged or fill material into aquatic resources of the United States and their associated wetlands, indoor streams and tributaries under section four for the Clean Water Act. So there is a potential that a permit may be needed from our office and we would like to set up a pre application meeting to discuss line routes and any other questions you tell may have regarding permitting or if you wish we could set up a teleconference etcetera. Again my name is Brian Bader. I'm with the United
States Army Corps of Engineers, Galveston District and my number is four, oh nine, seven, six, six, three,
zero, three seven. Thank you. Bye.

You received a voice mail from US GOVTARMY COR.

Thank you for using Transcription! If you don't see a transcript above, it's because the audio quality was not clear enough to transcribe.

Set Up Voice Mail

From: Tabone, Wendy
To: McKinney, John
Cc: Chapman, Jay; Pinkerton, Tod; Crespin, Susan
Subject: RE: [EXTERNAL] CenterPoint Energy Proposed 138 kv Mill Creek Substation and Transmission Line
Date: Wednesday, November 16, 2022 10:27:00 AM
Attachments: image002.png
image003.png

Mr. McKinney,
Thank you for your response. We will update you when a route is chosen and confirm floodway/floodplain status.

Wendy Tabone

Wendy H. Tabone, MMRM
Regional Natural Resources Lead/Sr. Project Manager

"ONE PROJECT - ONE TRC"

14701 St. Mary's Lane, Suite 500, Houston, Texas 77079
T 713-244-1065 | **F** 713-789-5920 | **C 979-235-9678**
LinkedIn | Twitter | Blog | TRCcompanies.com

Please note that our office address has changed

From: McKinney, John <john.mckinney@mctx.org>
Sent: Tuesday, November 15, 2022 3:41 PM
To: Tabone, Wendy <WTabone@trccompanies.com>
Cc: Chapman, Jay <jay.chapman@mctx.org>
Subject: [EXTERNAL] CenterPoint Energy Proposed 138 kv Mill Creek Substation and Transmission Line

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good afternoon Wendy,

I am in receipt of the attached letter. Thank you for forwarding a copy to my attention. The only applicable permits that would be required would be if a development permit if any of the installation work will occur in any tracts that have floodway/floodplain designations. In addition, if any installation will be occurring in county right of way, please notify Jay Chapman, in the Montgomery County Engineering Department, who I have copied on this email.

Please let me know if you have any additional questions or if I can assist

further. Thank you,

John

John K. McKinney Jr., Esq.
Montgomery County Floodplain Administrator
Phone: 936-538-8111

From:	Tabone, Wendy
To:	Bass, Lori
Cc:	Pinkerton, Tod; Crespin, Susan
Subject:	RE: [EXTERNAL] RE: Request for Information, CenterPoint Energy Proposed 138kV Mill Creek Substation & Transmission Line
Date:	Wednesday, November 16, 2022 3:24:34 PM
Attachments:	image002.png image003.png

Thank you for your response. I will convey the permit/authorization process to CenterPoint

Wendy Tabone

Wendy H. Tabone, MMRM
Regional Natural Resources Lead/Sr. Project Manager

"ONE PROJECT - ONE TRC"

14701 St. Mary's Lane, Suite 500, Houston, Texas 77079
T 713-244-1065 | **F** 713-789-5920 | **C 979-235-9678**
LinkedIn | Twitter | Blog | TRCcompanies.com

Please note that our office address has changed

From: Bass, Lori <lori.bass@mctx.org>
Sent: Wednesday, November 16, 2022 3:39 PM
To: Tabone, Wendy <WTabone@trccompanies.com>
Subject: [EXTERNAL] RE: Request for Information, CenterPoint Energy Proposed 138kV Mill Creek Substation & Transmission Line

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good afternoon Wendy,

This email is in response to the attached letter you sent to Jeff Johnson, PE County Engineer for Montgomery County.

For a project of this nature, the ***only*** thing Montgomery County Engineering will need to review would be placement of a new utility line(s) along or crossing any county maintained right-of-way. If you will be placing a new line in any of our rights-of-way, please obtain a "No Objection" from our office by filling out and submitting the 2 forms found on our website for Utilities in Montgomery County right-of-way along with the plans for review. Once Jay in our office has had a chance to

review them to make sure our requirements are met, he will get final approval from the Commissioner's office before issuing the "No Objection". You can find the forms on this page https://www.mctx.org/departments/departments_d_-_f/engineering/manuals_and_forms.php and scroll down to see the utilities section with instructions.

Thank you,

Lori Bass

Administrative Assistant

501 N. Thompson St
Suite 103
Conroe, TX 77301

P: (936) 539-7833
D: (936) 538-5503
Lori.bass@mctx.org

Montgomery County Engineering

	Tabone, Wendy
Sent:	Monday, November 21, 2022 1:28 PM
To:	Pinkerton, Tod; Crespin, Susan
Subject:	Fwd: [EXTERNAL] TRC-CenterPoint Proposed 138 kV Mill Creek Substation and Transmission Line Project, Montgomery, TX
Attachments:	Soil Report - TRC-CenterPoint - Montgomery.pdf; Soil Letter - TRC-CenterPoint - Montgomery.pdf

Wendy H. Tabone, MMRM

From: Araya, Samuel - FPAC-NRCS, Temple, TX <Samuel.Araya@usda.gov>
Sent: Monday, November 21, 2022 1:33:53 PM
To: Tabone, Wendy <WTabone@trccompanies.com>
Cc: Stahnke, Alan - NRCS, Temple, TX <alan.stahnke@usda.gov>
Subject: [EXTERNAL] TRC-CenterPoint Proposed 138 kV Mill Creek Substation and Transmission Line Project, Montgomery, TX

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Dear Wendy Tabone,

I am writing in response to your information request letter dated November 4, 2022. Please find attached a letter and a soils report on the project study area.

If you have any questions, please feel free to contact me.

Samuel Araya
Soil Scientist
Natural Resources Conservation Service
United States Department of Agriculture
101 S Main St., Temple, Texas
(254) 742-9874
samuel.araya@usda.gov
www.tx.nrcs.usda.gov

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Public Involvement

Landowner Notification Letter

December 1, 2022

<<Name>>
<<Address1>>
<<Address2>>
<<City>>, <<State>> <<Zip>>

Property ID Number: <<PID>>

Dear <<Name>>,

You are invited to attend a public meeting hosted by CenterPoint Energy Houston Electric, LLC ("CenterPoint Energy") to discuss and share information on potential routes for a proposed 138 kilovolt (kV) electric transmission line in Montgomery County known as the 138 kV Mill Creek Substation project. As a landowner near the proposed electric transmission line segments, we value your input, feedback, questions, and comments and this is an opportunity for CenterPoint Energy to visit with you one-on-one about the process and project.

The date, time and location for the public meeting is:

Thursday December 15, 2022
Tomball Community Center
221 Market St.
Tomball, TX 77375
5:00 p.m. – 8:00 p.m.

The proposed transmission line is required to connect a new distribution substation used to support the load growth in the Tomball-Magnolia area. The proposed construction includes a 138 kV double-circuit transmission line, located along a yet-to-be-determined route, connecting an existing transmission line to the new distribution substation in a yet-to-be determined location near Hardin Store Road and Dobbin-Huffsmith Road.

All of the proposed preliminary segments displayed on the enclosed map are under consideration at this time; however, not all of the segments will be constructed. The Public Utility Commission of Texas will determine the final route in a proceeding when it considers CenterPoint Energy's filing of an Application for a Certificate of Convenience and Necessity.

Information stations with subject matter experts from CenterPoint Energy and environmental specialists from both CenterPoint Energy and a consulting and engineering firm under contract with CenterPoint Energy, TRC, will be available to share information about the need for the transmission project, the type of structures proposed for the new transmission line, construction methods to be used, and transmission right-of-way requirements. CenterPoint Energy will provide a questionnaire for landowners to complete regarding their preferences and to provide comments. Refreshments will be provided.

For more information about the proposed project, the public meetings, and a copy of the questionnaire, please visit our website at http://www.centerpointenergy.com/millcreekesubstation, the website will be available on December 12; or contact the 138 kV Mill Creek Substation project team at 713-207-4985 or email at millcreeksubstation@centerpointenergy.com.

Sincerely,

Daniela Hammons
Director; Policy and Compliance

Enclosure

Public Official Notification Letter

December 1, 2022

<<Salutation>> <<FirstName>> <<LastName>>
<<Title>>
<<Agency_1>>
<<Agency_2>>
<<Address>>
<<City>>, <<State>> <<Zip>>

<<Dear>> <<Salutation>> <<LastName>>,

You are invited to attend a public meeting hosted by CenterPoint Energy Houston Electric, LLC ("CenterPoint Energy") to discuss and share information on potential routes for a proposed 138 kilovolt (kV) electric transmission line in Montgomery County known as the 138 kV Mill Creek Substation project. As an official with an interest in the area near the proposed electric transmission line segments, we value your input, feedback, questions, and comments and this is an opportunity for CenterPoint Energy to visit with you about the process and project.

The date, time and location for the public meeting is:

Thursday December 15, 2022
Tomball Community Center
221 Market St.
Tomball, TX 77375
5:00 p.m. – 8:00 p.m.

The proposed transmission line is required to connect a new distribution substation used to support the load growth in the Tomball-Magnolia area. The proposed construction includes a 138 kV double-circuit transmission line, located along a yet-to-be-determined route, connecting an existing transmission line to the new distribution substation in a yet-to-be determined location near Hardin Store Road and Dobbin-Huffsmith Road.

All of the proposed preliminary segments displayed on the enclosed map are under consideration at this time; however, not all of the segments will be constructed. The Public Utility Commission of Texas will determine the final route in a proceeding when it considers CenterPoint Energy's filing of an Application for a Certificate of Convenience and Necessity.

Information stations with subject matter experts from CenterPoint Energy and environmental specialists from both CenterPoint Energy and a consulting and engineering firm under contract with CenterPoint Energy, TRC, will be available to share information about the need for the transmission project, the type of structures proposed for the new transmission line, construction methods to be used, and transmission right-of-way requirements. CenterPoint Energy will provide a questionnaire for landowners to complete regarding their preferences and to provide comments. Refreshments will be provided.

For more information about the proposed project, the public meetings, and a copy of the questionnaire, please visit our website at http://www.centerpointenergy.com/millcreekesubstation, the website will be available on December 12; or contact the 138 kV Mill Creek Substation project team at 713-207-4985 or email at millcreeksubstation@centerpointenergy.com.

Sincerely,

Daniela Hammons
Director; Policy and Compliance

Enclosure

Public Official Notification Letter- DoD

December 1, 2022

Mr. Ronald Tickle
Deputy Assistant Secretary of Defense for Real Property
U.S. Department of Defense Siting Clearinghouse
3400 Defense Pentagon, Room 5C646
Washington, D.C. 20301-3400

Mr. Tickle,

You are invited to attend a public meeting hosted by CenterPoint Energy Houston Electric, LLC ("CenterPoint Energy") to discuss and share information on potential routes for a proposed 138 kilovolt (kV) electric transmission line in Montgomery County known as the 138 kV Mill Creek Substation project. As an official with an interest in the area near the proposed electric transmission line segments, we value your input, feedback, questions, and comments and this is an opportunity for CenterPoint Energy to visit with you about the process and project.

The date, time and location for the public meeting is:

Thursday December 15, 2022
Tomball Community Center
221 Market St.
Tomball, TX 77375
5:00 p.m. – 8:00 p.m.

The proposed transmission line is required to connect a new distribution substation used to support the load growth in the Tomball-Magnolia area. The proposed construction includes a 138 kV double-circuit transmission line, located along a yet-to-be-determined route, connecting an existing transmission line to the new distribution substation in a yet-to-be determined location near Hardin Store Road and Dobbin-Huffsmith Road.

All of the proposed preliminary segments displayed on the enclosed map are under consideration at this time; however, not all of the segments will be constructed. The Public Utility Commission of Texas will determine the final route in a proceeding when it considers CenterPoint Energy's filing of an Application for a Certificate of Convenience and Necessity.

Information stations with subject matter experts from CenterPoint Energy and environmental specialists from both CenterPoint Energy and a consulting and engineering firm under contract with CenterPoint Energy, TRC, will be available to share information about the need for the transmission project, the type of structures proposed for the new transmission line, construction methods to be used, and transmission right-of-way requirements. CenterPoint Energy will provide a questionnaire for landowners to complete regarding their preferences and to provide comments. Refreshments will be provided.

For more information about the proposed project, the public meetings, and a copy of the questionnaire, please visit our website at http://www.centerpointenergy.com/millcreeksubstation, the website will be available on December 12; or contact the 138 kV Mill Creek Substation project team at 713-207-4985 or email at millcreeksubstation@centerpointenergy.com.

Sincerely,

Daniela Hammons
Director; Policy and Compliance

Enclosure

Public Meeting Handout Packet

WELCOME TO CENTERPOINT ENERGY'S PUBLIC MEETING
138 kV MILL CREEK SUBSTATION PROJECT
December 15, 2022

Thank you for attending CenterPoint Energy's public meeting for the 138 kV Mill Creek Substation Project. The purpose of the public meeting is to share information as well as gather input from the public on the yet-to-be-determined route of a proposed 138 kV transmission line in southwestern Montgomery County that will improve the electric reliability of the distribution system in the Tomball-Magnolia area and serve projected load growth. The proposed construction includes a new 138 kV double-circuit transmission line between an existing CenterPoint Energy transmission line located in southwestern Montgomery County to one of three proposed Mill Creek Substation sites. The information gathered will be used to help formulate alternate routes for consideration by the Public Utility Commission of Texas.

Information stations and exhibits staffed by knowledgeable CenterPoint Energy representatives and environmental specialists from TRC Environmental Corporation (TRC) will be available to explain the project and answer questions. Please visit the stations that are of interest to you; they include the following:

1. **Registration and Information:** You will be asked to sign in so that we may get an accurate count of tonight's participants. You will receive an information packet about the project and a questionnaire. The questionnaire is used to help CenterPoint Energy better understand any concerns you may have regarding the project and to provide information about any special circumstances. It is important that you complete this questionnaire to ensure that your comments and concerns about the project are taken into account.

2. **Project Need:** CenterPoint Energy representatives are available to discuss the need and the schedule for the project. An electrical schematic of the transmission system in the vicinity of the project is displayed there. The Public Utility Commission of Texas certification process flowchart for new transmission lines is also located there.

3. **Right-Of-Way/Construction:** Photographs and drawings of typical transmission structures for the proposed project are available for viewing. A right-of-way agent is on hand to answer questions about the land requirements for the project and the process used when necessary to obtain easements across private property. In addition, transmission experts will address design and construction questions, including construction methods and materials.

4. **EMF Information:** Information regarding electric and magnetic fields (EMF) is available at this station from a CenterPoint Energy representative familiar with EMF issues.

5. **Routing/Environmental:** Evaluation criteria to be used in routing the transmission line as well as the governmental agencies and organizations that have already been contacted about this project are listed. Aerial photographic maps are available that depict the existing CenterPoint Energy transmission lines, pipelines, roadways, and property lines along with the proposed preliminary transmission line segments. Maps depicting known constraint areas are also available for viewing. Environmental specialists from TRC will address routing and environmental questions.

6. **GIS Computer Stations:** Geographic Information System (GIS) computer stations with expert operators from TRC are available to display and print specific land parcels and area properties in relation to the proposed preliminary transmission line segments.

7. **Refreshments:** Snacks and drinks are available while completing the questionnaire.

8. **Questionnaire Drop Off:** Please drop off the completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: 713-207-4985, Email: millcreeksubstation@centerpointenergy.com
Website: http://www.centerpointenergy.com/millcreeksubstation

December 15, 2022

FAQ's for 138 kV Mill Creek Substation Project

Who is CenterPoint Energy Houston Electric, LLC?

CenterPoint Energy Houston Electric, LLC (CenterPoint Energy or the Company) maintains the wires, towers, poles, and electric infrastructure serving more than two million end-use customers in a 5,000-square-mile electric service territory in the Houston metropolitan area. While the Company's employees ensure the reliable delivery of electricity from power plants to homes and businesses, the Company neither generates nor sells it to customers. The Company is an indirect, wholly-owned subsidiary of CenterPoint Energy, Inc.

Headquartered in Houston, Texas, CenterPoint Energy, Inc. is a domestic energy delivery company that includes electric transmission & distribution, natural gas distribution and energy services operations. The company serves nearly seven million metered customers primarily in Indiana, Louisiana, Minnesota, Mississippi, Ohio, and Texas. With more than 9,600 employees, CenterPoint Energy, Inc. and its predecessor companies have been in business for more than 140 years.

What is the Public Utility Commission of Texas (PUC)?

The PUC is the state agency created by the Texas Legislature to regulate the rates and services of electric, telecommunication and water utilities throughout the state.

What is the Electric Reliability Council of Texas (ERCOT)?

ERCOT manages the flow of electric power to 26 million Texas customers, representing 90 percent of the state's electric load. CenterPoint Energy's service territory is located within the footprint of ERCOT. As the independent system operator for the region, ERCOT oversees activities related to the reliable and safe transmission of electricity by scheduling power on an electric grid that connects more than 52,700 miles of transmission lines and more than 1,030 generation units. ERCOT is a membership-based nonprofit corporation, governed by a board of directors and subject to oversight by the PUC and the Texas Legislature. ERCOT's members include consumers, cooperatives, generators, power marketers, retail electric providers, investor-owned electric utilities (transmission and distribution providers including CenterPoint Energy), and municipally-owned electric utilities.

What are transmission lines?

Transmission lines are a part of the interconnected power system that moves electricity from generators to substations, where the electricity is reduced in voltage and then delivered to end-use consumers over the distribution system that connects to businesses and homes. Transmission lines are larger, operate at higher voltages, and typically convey electricity over longer distances. Distribution lines are smaller, operate at lower voltages, and convey electricity over shorter distances within cities and neighborhoods.

December 15, 2022

What is the 138 kV Mill Creek Substation Project?

The 138 kV Mill Creek Substation Project is a 138 kV double circuit electric transmission line proposed to be built by CenterPoint Energy between an existing CenterPoint Energy transmission line located in southwestern Montgomery County to one of three proposed Mill Creek Substation sites. The need for and route of the project is subject to approval by the PUC.

Where will the 138 kV Mill Creek Substation be located?

The Mill Creek Substation is proposed to be located near Hardin Store Road and Dobbin-Huffsmith Road in southwestern Montgomery County. There are three sites under consideration. The PUC will ultimately determine the route of the transmission line and the related substation location.

Why is the 138 kV Mill Creek Substation Project needed?

The 138 kV Mill Creek Substation is needed to meet the growing demand for electricity in the Magnolia/Tomball/The Woodlands area. The area has had substantial growth that has included the addition of new residents, schools, subdivisions, retail centers, commercial buildings, healthcare facilities, etc. The area is forecasted to have an approximate 24% load growth between 2022 and 2031. The new Mill Creek distribution substation will help to meet the growing energy demands of our customers in these areas.

What is the process for the approval of the 138 kV Mill Creek Substation transmission line?

CenterPoint Energy will gather input from the community through a public meeting process and other sources for the preparation of a routing study and environmental assessment between CenterPoint's existing transmission line and the three proposed substation sites in Montgomery County. After that information is gathered and the public meeting process is concluded, CenterPoint Energy will prepare and file an Application for a Certificate of Convenience & Necessity (CCN) for a Proposed Transmission Line with the PUC. The application will include multiple routing alternatives for the proposed transmission line between the existing transmission line and the proposed substation sites. The PUC will decide whether the application should be approved and, if approved, which route and substation site will be approved.

What are the considerations involved in selecting a route for the transmission line?

The PUC considers many factors in deciding whether to approve a proposed transmission line as prescribed by state law and PUC rules, including community values, recreational and park areas, historic and aesthetic values, and environmental integrity. They also consider specific routing criteria for new transmission lines, including whether the route utilizes or parallels compatible

rights-of-way such as existing electrical facilities, roads, highways, railroads, telephone lines, property lines, natural features, and cultural features. CenterPoint Energy will provide information about these factors for each of the proposed alternative routes in its CCN application.

What type of structures will be used on the new transmission line?

The typical structures for the proposed alternative route segments may be double-circuit lattice steel towers, double-circuit steel poles, or double-circuit concrete poles with a vertical phase configuration in an 80-foot wide right-of-way (ROW). Depending on the terrain and other considerations, such as the length of span between structures and clearance requirements needed to cross rivers, wetland areas, Federal Aviation Administration determinations or utility and roadway crossings, CenterPoint Energy may require wider ROW widths and may vary structure types and heights.

Will CenterPoint Energy hold Public Meetings?

Yes. Consistent with PUC rules and prior to filing a CCN application, CenterPoint Energy will hold an open house public meeting for the project to address concerns or questions from landowners and other interested parties. CenterPoint Energy will share information about routing alternatives and gather input from the public. Individuals attending the open house public meeting will have an opportunity to make comments, ask questions, and express any concerns that they might have about the routes under consideration. Representatives from CenterPoint Energy and TRC Environmental Corporation will be present at the open house public meeting. The open house public meeting will be held on **Thursday December 15, 2022, from 5:00 p.m. to 8:00 p.m. at the Tomball Community Center at 221 Market St. Tomball, TX 77375.**

How will CenterPoint Energy compensate landowners if it is necessary for the transmission line to cross their property?

Once the PUC has approved a route for the project, CenterPoint Energy will make a bona fide offer to the landowner when purchasing right-of-way following the requirements of Texas law and will provide landowners with a copy of the State of Texas Landowner's Bill of Rights. In cases where the parties do not agree on the value of the property, the land value will be determined in a condemnation proceeding where special commissioners, appointed by a judge, will determine the value of the property following a hearing where all interested parties are entitled to provide evidence of valuation.

Public Utility Commission

Certification Process for Transmission Lines

Define Project

•Identify beginning and end points for project
(Existing 138 kV Corridor and an Alternate Substation Site)

Environmental Assessment And Routing Analysis

YOU ARE HERE

- Identify study area based on project definition.
- Gather data about study area.
- Map environmental and land use constraints in study area.
- Determine preliminary transmission line segments and alternate substation sites based on maps, aerial photos, constraints data, and field visits.
- Hold open house to gather public input.
- Analyze preliminary transmission line segments and alternate substation sites to develop the alternative routes.

PUC Application Process

- Submit an application to the PUC to amend CenterPoint Energy's Certificate of Convenience and Necessity (CCN).
- Upon filing of the application, notices will be sent to landowners whose property may be crossed or is within 300 feet of any alternative route.
- Notices also will be sent to municipalities and electric utilities that are within five miles of the project and to municipal and county governments where the project is located.
- Following the filing of the application, there will be an intervention opportunity for interested parties.
- Approval of a CCN application gives CenterPoint Energy the authorization to build the new transmission project along the route approved by the PUC.

Intervention?

NO

PUC Staff Review

PUC staff conducts review and makes recommendation to approve project as submitted or approve with modifications.

YES

Administrative Hearing

- Technical review of project routing
- Testimony filed by all parties
- Administrative hearing
- Administrative Law Judge prepares proposed final order

Within 12 months after application is submitted.

PUC Makes Decision

- Approve application
- Approve application with modifications
- Deny

CenterPoint Energy

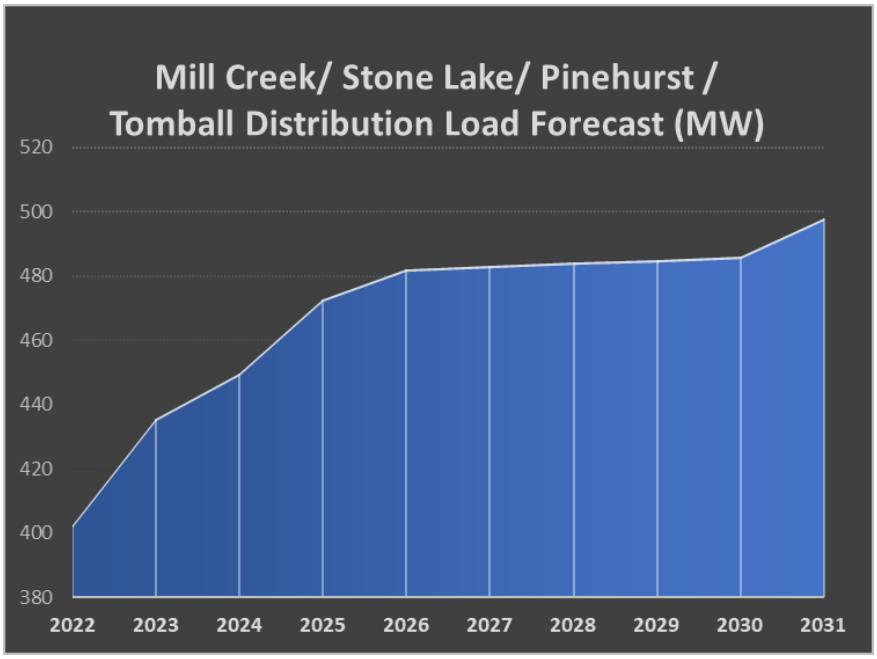
138 kV Mill Creek Substation Project
Anticipated Project Schedule

Transmission Line Project Phases	Duration	Start	Finish
Routing Study, Environmental Assessment, and Public Meetings	In Progress	October 2022	January 2023
CCN Application Preparation/Filing	4 months	January 2023	April 2023
PUC Approval	12 months	April 2023	April 2024
ROW Activities	8 months	April 2024	December 2024
Transmission Construction	12 Months	August 2024	August 2025

Acronyms

CCN Certificate of Convenience and Necessity
PUC Public Utility Commission of Texas
ROW Right-of-Way

Project Need
Mill Creek Distribution



➢ **Project Need: Mill Creek Distribution Substation**

- **Serve new load in the Magnolia/Tomball/The Woodlands areas.** The Northwest Houston and Southwest Montgomery County has experienced a rapid growth that has followed the addition of new residents, schools, subdivisions, retail centers, commercial buildings, growing healthcare, etc. It is forecasted to have an approximate 24% load growth between 2022 and 2031. The new Mill Creek distribution substation will help to meet the growing energy demands of our customers in these areas.

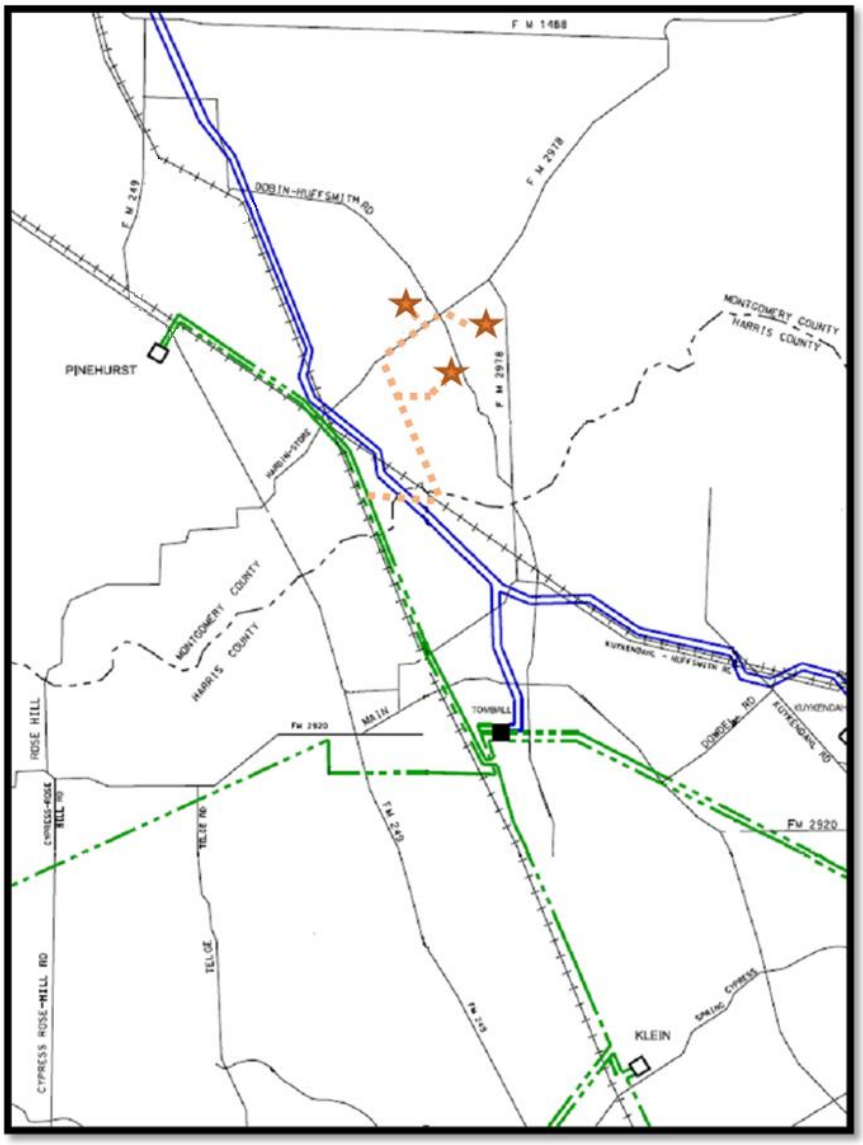
- **Relieve capacity limitations of the existing distribution substations.**

- **Increase reliability in the Magnolia/Tomball/The Woodlands areas**.

- **Support future load growth.**

CenterPoint Energy

Project Need
Mill Creek Distribution Substation

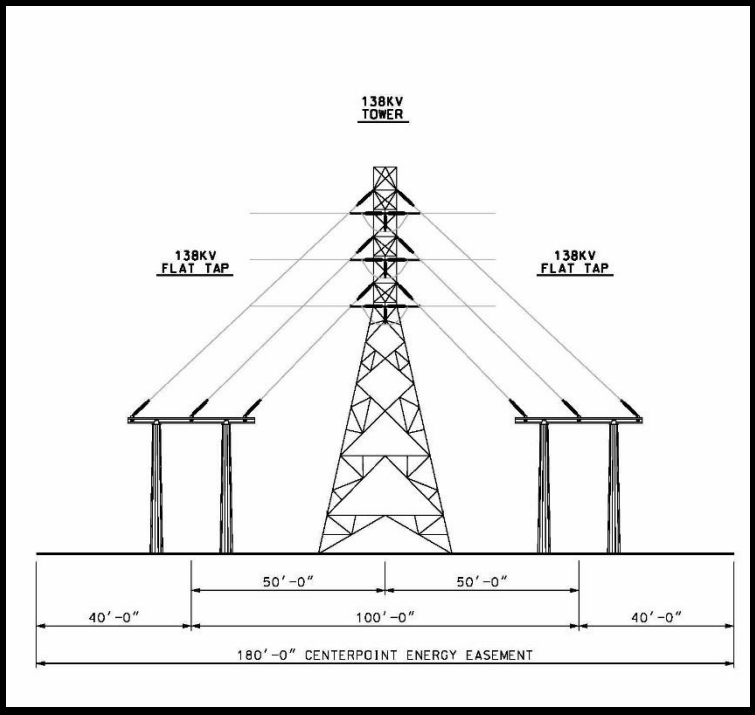


- CenterPoint Energy studied 2 different transmission options to supply power to the 138/35 kV Mill Creek Substation.
- CenterPoint Energy concluded that Mill Creek substation will be a 138/35 kV distribution substation with 2-100 MVA transformers, 4-35 kV feeders, configured as a 138 kV loop substation to serve the forecasted 2025 load.
- Mill Creek substation will be looped on 138 kV Pinehurst to Tomball Ckt. 81 with an approximately 3-6 mi double circuit line.
- The project will improve the reliability and load serving capabilities of the region.

CenterPoint Energy

Typical 138 kV Construction

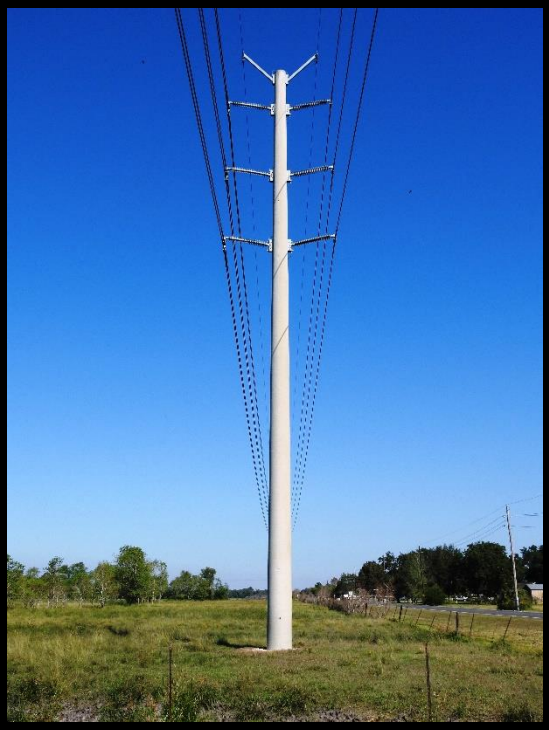
Steel Flat-Tap

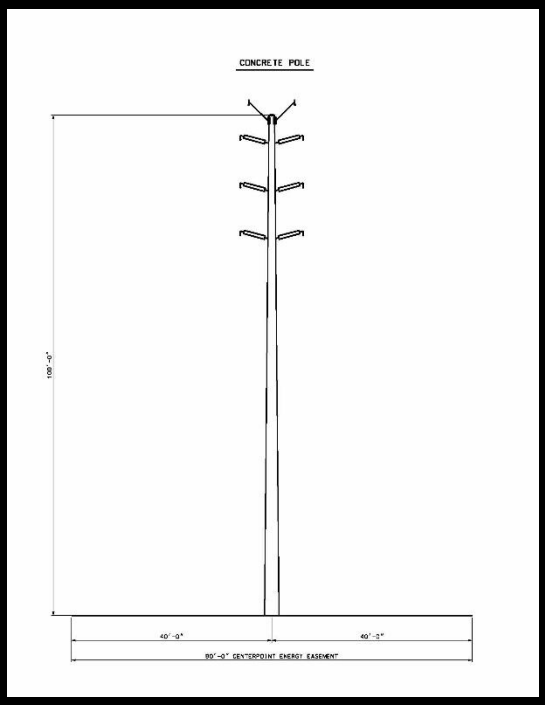


Typical 138 kV Construction

Double-Circuit Concrete Pole

80’ Wide Right-of-Way

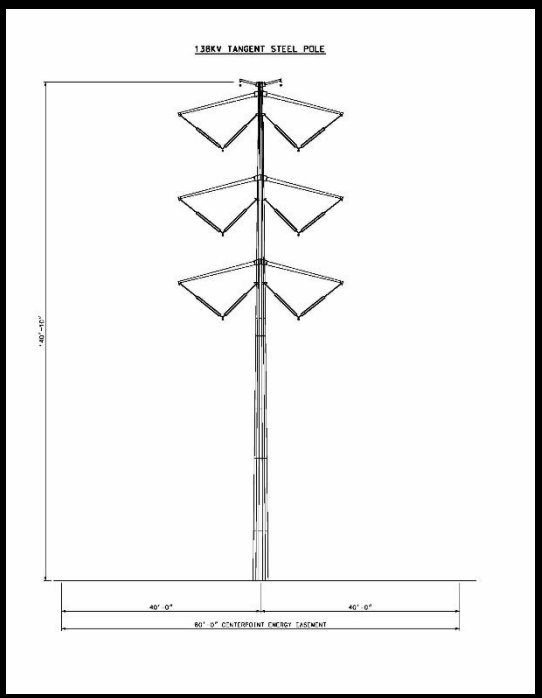




Typical 138 kV Construction

Double-Circuit Steel Pole

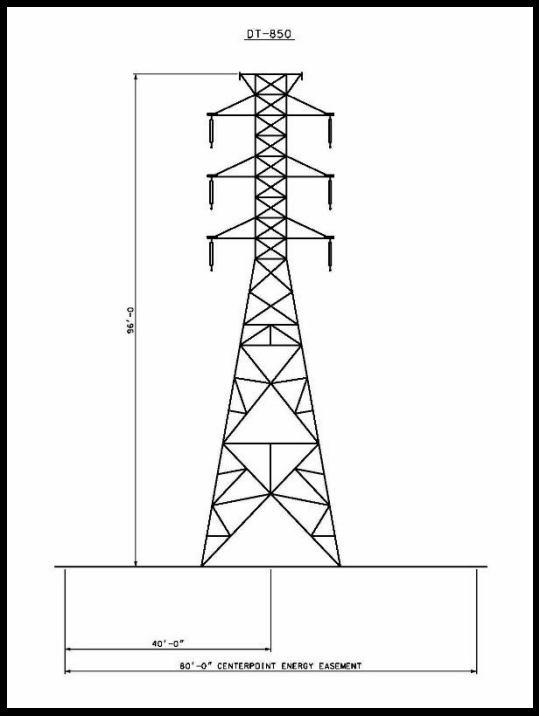
80’ Wide Right-of-Way



Typical 138 kV Construction

Double-Circuit Steel Towers

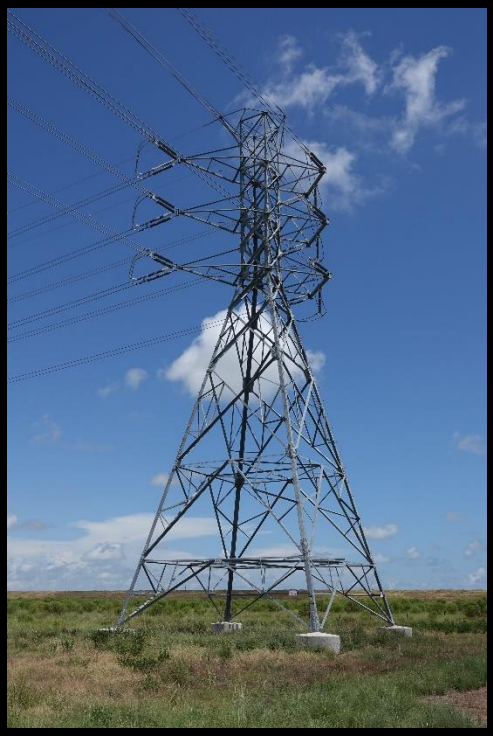
80’ Wide Right-of-Way

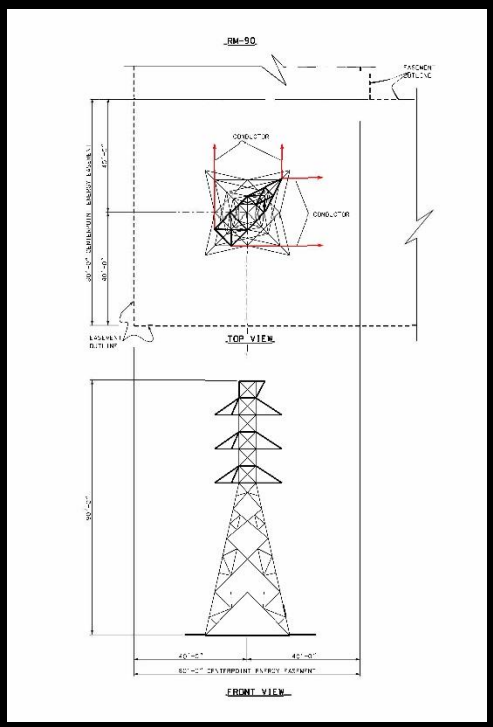


Typical 138 kV Construction

Double-Circuit Turning Structure

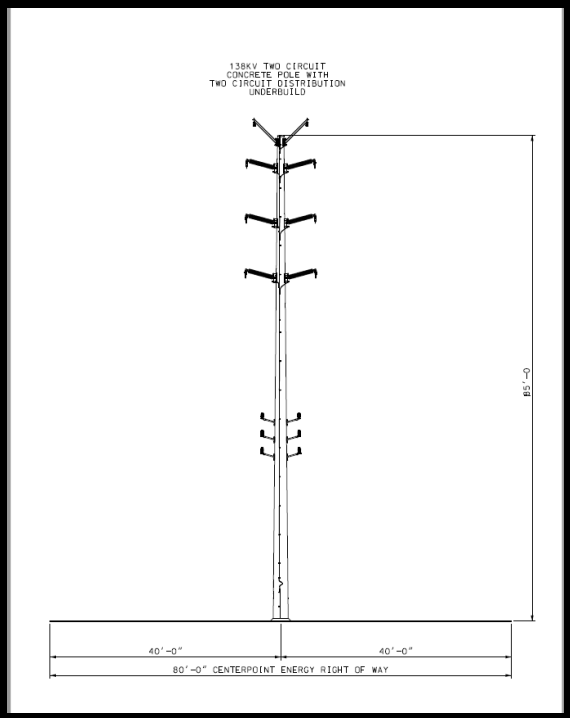
80’ Wide Right-of-Way





Typical 138 kV Construction

Double-Circuit Concrete Pole Construction with Distribution Underbuild – 80’ Wide Right-of-Way



Public Meeting Questionnaire

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____ Invitation Letter _____ Other (please specify) _____

_____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No _____ If no, please explain: _____

_____

_____

_____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

_____ Agricultural land
_____ Floodplains or wetlands
_____ Recreational or park areas
_____ Residential areas or subdivisions
_____ Commercial areas
_____ Schools
_____ Churches
_____ Cemeteries
_____ Historic Sites
_____ Wildlife
_____ Other (please specify) _____

_____

_____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____ Roads/Highways
_____ Telephone lines
_____ Property lines
_____ Cultural features (e.g. fence lines)
_____ Electrical lines
_____ Railroads
_____ Natural features (e.g. waterways)
_____ Other (please specify) _____

_____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _____ No _____

If yes, please list them below and briefly explain why they are important to you.

_____

_____

_____

_____

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

_____ A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land .
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Questionnaire Responses

TO: Steve Fox, Mill Creek Substation CCN Project Manager
Center Point Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

FROM: Fred Abbott
27945 Hardin Store Road
Magnolia, TX. 77354
Phone: 832-332-8255
Email: windsaloftfarm@icloud.com

Dear Sir or Madam:

I recommend the Center Point select either the MM or UU substation vice the TT substation. The routing of lines from either of those two substations over a route via MM/II/HH/V/P/E/D/H or a route via QQ/FF/DD/BB/AA/R/K/EG/F/D/B would avoid routing along Harding Store Road, a busy State Road, and avoid having to seize some of the most expensive property in this part of the county located along this road. It is evident that Center Points desire to place a substation this far north of the properties impacted is to actually benefit the proposed roadways/property being developed from highway 249 to FM2978. It would seem that placing lines in these undeveloped new areas would be more cost effective and impact fewer established residences/businesses.

Fred Abbott

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ✓ Other (please specify) NEIGHBOR

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: THERE HAS BEEN NO EXPLANATION OF WHY A SUB-STATION IS BEING LOCATED IN AN ALREADY DEVELOPED AREA. WHAT AREAS WILL BENEFIT. WHAT ARE FUTURE AREAS TO BENEFIT.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	2	Schools
5	Floodplains or wetlands	3	Churches
7	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	6	Historic Sites
8	Commercial areas	9	Wildlife
		11	Other (please specify) PUBLIC ACCESS ROADS

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

	Roads/Highways	6	Electrical lines
	Telephone lines	7	Railroads
1	Property lines		Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)	3	Other (please specify) AMOUNT OF PROPERTY TO BE TAKEN/PROPERTY MADE UNAVAILABLE AS IS NOW

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

EXISTING RESIDENCES VALUE WHICH WILL BE LOST. EXISTING PROPERTY VALUE DECREASE. EXISTING RESIDENES INCONVENIENCE WITH REFERENCE TO CONSTRUCTION.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

HARDIN STORE ROAD PASTURES

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

TT, KK, GG ALL ARE ROUTED ON HARDIN STORE ROAD, A BUSY 2 LANE STATE ROAD. TAKING OF PROPERTY ON EITHER SIDE OF ROAD WILL REDUCE PROPERTY VALUES, INTRUDE DRAMATICALLY TOWARD RESIDENCE, DESTROY TREE LINES, AND LIMIT ANY NECESSITY TO WIDEN ROAD. WILL IMPACT MY BUSINESS/HORSE BREEDING

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

ANY SINGLE POLE WITH MINIMAL VISUAL IMPACT

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) TT, KK, GG

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) TT, KK

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: PEOPLE EXPLAINING EXHIBIT HAD LITTLE KNOWLEDGE OF ACTUAL AREAS TO BE TAKEN

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No ____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name FRED ABBOT windsaloftfarm@icloud.com

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)
PROPERTY VALUE DECREASES PROTECTED. ROAD EXPANSION

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address ____

City ____ State ____ Zip ____

☐ Telephone (home) ____ (work) ____ (cell) ____

☑ Email Address windsaloftfarm@icloud.com

13. Additional comments (please specify): ____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____ Invitation Letter _X_ Other (please specify) _____
Neighbors

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No _x_ If no, please explain:
We do not understand why there is a need to route these through a small neighborhood that affects the land, the neighborhood itself, including the defacing of property, the de-valuing of the property and homes.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern: 11 = least concern)

_____ Agricultural land
_2_ Floodplains or wetlands
_____ Recreational or park areas
_1_ Residential areas or subdivisions
_____ Commercial areas
_____ Schools
_____ Churches
_____ Cemeteries
_____ Historic Sites
_3_ Wildlife
_1_ Other (please specify)
Most of these homes and property owners do not even have 80' ROW to give without being on top of their homes, including our home.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____ Roads/Highways
_____ Telephone lines
_1_ Property lines
_2_ Cultural features (e.g. fence lines)
_____ Electrical lines
_____ Railroads
_____ Natural features (e.g. waterways)
_1_ Other (please specify)
Being near property owners' homes and livestock,; the taking of property that is being used by property owners some of which do not have enough room, etc.

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _x_ No _____

If yes, please list them below and briefly explain why they are important to you.

This is a small residential area and does not have the room for large towers without taking homeowner's property which require too large of easements. We do not even have that kind of room on our property without the towers being right on top of us. These towers will tower over the properties and homes as there is not enough room/ space and will detract from the beauty of our neighborhood, devalue the residential neighborhood and impede on the use of our property.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

We would like to speak to a respresentative about the attached map that was we obtained that was not in the packet. There is no legend regarding the letters which there is a letter noted right at the corner of our property - which there ~~our home is only about 35 - 40 feet away - and would be a cause an usage issue,~~ asthetic issue and would be on top of us. Need to discuss as this makes no sense putting these so close to our home.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X No _____

If so, please explain the type of transmission structures you prefer and why?

None. They are too large for our area and require to much land for us as small property owners and impede. If any, the least obtrusive structure

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

X A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) We are unsure of the exact placement, but we are at the corner of N. Creek Drive and Sioux and at the end of Sioux Drive. OUr home sits near Creek and Sioux and we do not even have 80' - the water shed runs through our property and we have limited use of our property when it floods. Other concerns is a tower like that near our property is cause for concern due to the electric transmissions/emissions, the fact that it will over shadow the property and homes. these are made to go along highways and roadways, or large commercial land areas; not small residential areas that could cause harm, de-value property, cause loss of use of property that is being used. There are many valid issues and negative impact it will have on our property.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____
We reviewed the packets. We were unable to get to the meeting, but had neigbors keep us informed.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No _____ The website did not provide any information it keeps saying that it under construction.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Cynthia Bailey; Hale Baugh

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)
The transmission lines and its path, the watershed issues and the taking of property which would impede on our homes
It appears that you want to install one right at the corner of my house Sioux and Creek we don't even have 80' of easement -- and would be on our doorstep, devaluing our property and taking property we are using that's not in the watershed and create an eye-sore, among other issues noted above.

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____
City _____ State _____ Zip _____

☒ Telephone (home) SEE BELOW (work) _____ (cell) SEE BELOW

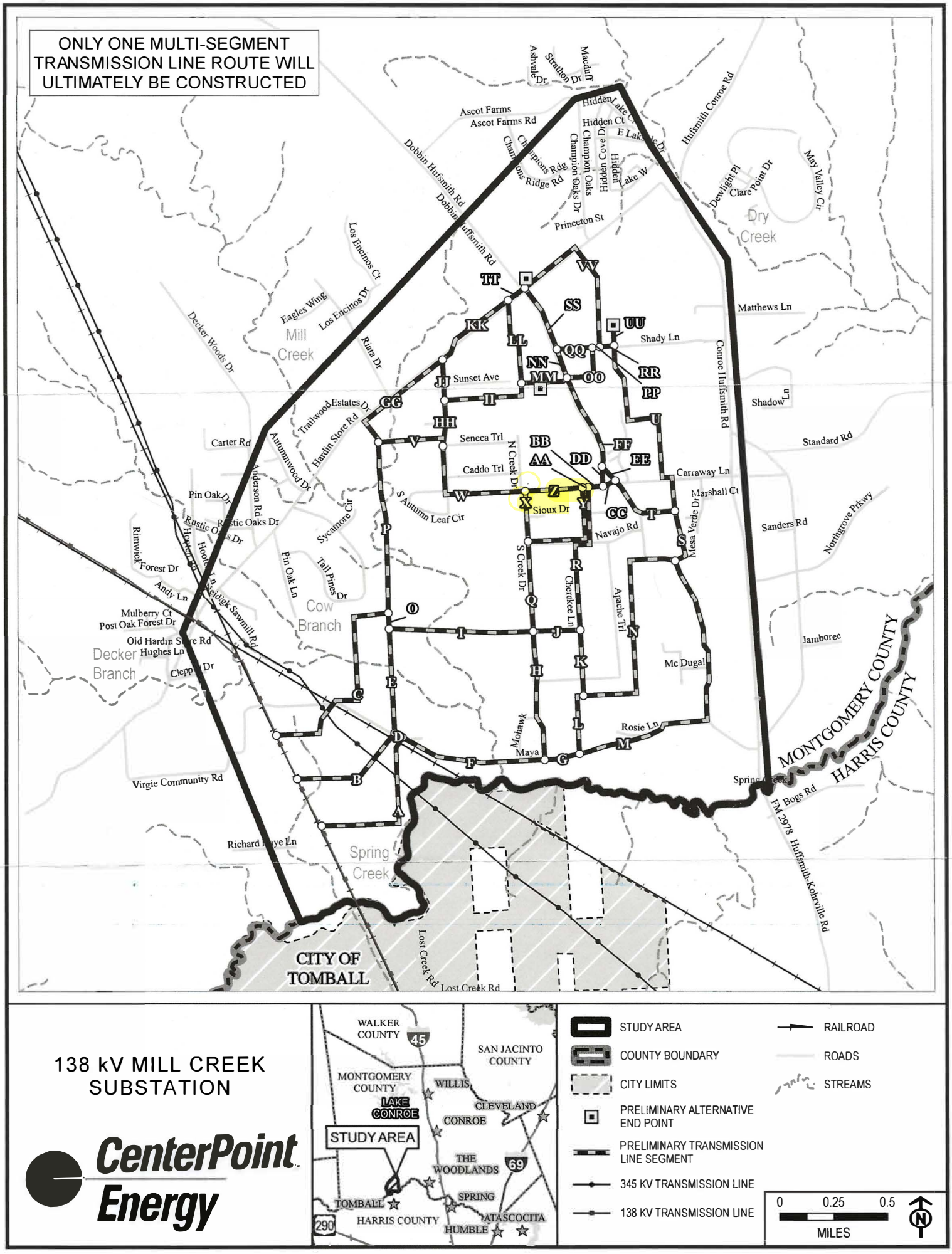
☒ Email Address Cindy Bailey: crbbailey@yahoo.com; Hale Baugh: halebaugh3@gmail.com

13. Additional comments (please specify): _____
Cindy Bailey: 27402 N. Creek Drive, Magnolia, Texas 281/744-0292 cell
Hale Baugh: 9802 Sioux Dr., Magnolia, Texas 832/506-7889 cell

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com



138 kV MILL CREEK SUBSTATION

CenterPoint Energy

STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS

0 0.25 0.5
MILES
N

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____ Invitation Letter X____ Other (please specify) From a neighbor.

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No X____ If no, please explain: 'Load growth' in our county was not very helpful as a rationale as to why the substations and transmission route options were laid out as presented to us. Also, I respectfully question the timing of the project, when considering that the additional load in question was foreseen as early as 9 years ago with the 249 extension project and public meeting.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

8	Agricultural land	2	Schools
7	Floodplains or wetlands	5	Churches
3	Recreational or park areas	9	Cemeteries
1	Residential areas or subdivisions	10	Historic Sites
4	Commercial areas	6	Wildlife
		11	Other (please specify)

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

1	Roads/Highways	3	Electrical lines
4	Telephone lines	2	Railroads
6	Property lines	6	Natural features (e.g. waterways)
5	Cultural features (e.g. fence lines)	7	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes X____ No _____

If yes, please list them below and briefly explain why they are important to you.

My husband and I invested my entire livelihood into this property as our only major asset, our homestead, and our sanctuary, the issue of how the LL, MM and II lines of this project would impact our property value and our quality of life for decades to come, is an enormous factor.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ____X__ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ____X__

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.
Our HOA has a private park which is important to our members, and we have many children in our neighborhood who play there. This is an important feature that we wanted to bring to your attention. Thank you.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

We strongly oppose LL, MM, II, JJ, for reasons of health and properly value.

Please see attachment.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X____ No _____

If so, please explain the type of transmission structures you prefer and why?

Underground transmission lines are certainly the most preferable overall, but double circuit steel or concrete poles no higher than 40' tall are known to be the most aesthetic wherever they are used.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X____ A preliminary transmission line segment is near my home.
Applicable Segment(s) LL, MM and II

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

X____ A preliminary transmission line segment is on my land
Applicable Segment(s) LL, MM

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes X____ No X____ If no, please explain: Somewhat. Mr. Fox was very helpful. On the other hand, I did not find the EMF information very helpful, nor did I find the information from the consultant with the route maps very helpful or particularly insightful.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____X_____ No _____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name **CHRISTINE BORTZ 11000 SUNSET AVE. MAGNOLIA, TX 77354**

☐ Do Not Contact Me ✠ Contact me regarding the following question (please specify)

Can my husband and I please be informed on the process going forward, directly by email?

I prefer to be contacted by: (choose all that apply)

X U.S. Mail Address 11000 Sunset Ave.

City _____ State _____ Zip _____

X Telephone (home) _____(work) _____(cell) **713-397-8511**

X Email Address **tine.bortz@gmail.com**

13. Additional comments (please specify): We are extremely concerned and personally impacted by the potential catastrophic impact on our health and home by potential routes LL, MM , II and JJ and the substation location behind our home, and we are prepared and willing to offer any additional context that Mr. Fox and CenterPoint may need . Thank you!

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Question #7- Attachment

11000 Sunset Ave: impact on our home from proposed routes LL, MM and II:

- Our home would experience the most disastrous impact from the LL and MM routes, arguably amongst all homeowners affected by these routes. We would also experience an enormous negative impact from the II line as well, as well as if the substation location is chosen in the backyard of our home on Dobbin Huffsmith.
- LL and MM would result in these transmission lines and substation effectively 'becoming' our 'immediate backyard'. The impacts would be disastrous for my family.
- The negative impact on our home comes from two perspectives: Health and Home Value. After serving my country as an Army wife, and investing our entire life savings into our one (and only) 'forever' home, the routes of LL, MM and II would effectively destroy our quality of life, our psychological health, and our livelihood as follows:
    - **Health**: Of utmost importance to the health of my family and I is the psychological impact that the sudden announcement of this project has inflicted on us as homeowners. My husband and I have not slept fully for one single night since finding out about this project. This project -specifically the prospect of the LL and MM lines completely destroying our home as we know it- has come out of nowhere and now threatens to completely change the future vision of our home life over our final years. My husband and I have been subjected to enormous psychological and emotional stress due to this project.

      Health: Even at a distance of 110 ft from the towers (under 300 ft is a 'cause for concern' distance cited by the CT Dept of Public Health), my family would be exposed to at least 5mG of EMR on a constant basis, which would be like standing 1 foot away from a microwave oven, 24 hours a day. This level is 2x higher than the EPA 'threshold of human exposure' of 2.5 mG, and 5 times higher than the 'absolutely safe' accepted value of 1 mG as per building biology standards, and 10 times higher than our current estimated value of 0.6mG and the national US average exposure. This mG level would put us in the top 1% of US citizens. It is proven that this level of exposure leads to headaches, dizziness, fatigue and insomnia, and there is also evidence -albeit inconclusive- of the increased likelihood of leukemia and cancer.

      The 'right of way' of the towers presented in the CenterPoint handout are intended merely to protect the CenterPoint assets from tree growth etc. If a truly 'human safe' ROW distance were sought for these towers, the distance would be at least 150 feet- approximately 4x the current ROW approach taken by Centerpoint. (The 2005 Draper study shows an extended risk under 200m, or 650 ft.)
    - **Home Value:** Our entire life earnings have been put into this house- it is our **only asset** and 50% of our life savings would be instantly destroyed through the LL MM and II lines and (lower Dobbin) substation as shown. We would become one of the under 1% of US homes that are under 150 ft from a high-voltage power line. Our home value would fall immediately by 50% if the LL line is executed- this is expert advice from two realtors and I will be happy to substantiate this with outside and objective expert study, if needed. Realtor experts quote a distance of 650 ft as having no impact whatsoever on our home value- the LL line as shown would place us at 5x worse than the 650 ft value.

- **Home Value**: if built, the LL line would eliminate literally every single tree bordering our property in the rear and have catastrophic impacts for us. The view from our patio and the backside of our home would be completely dominated by these transmission lines. This would result in a complete destruction of our home aesthetics and impact our quality of life dramatically.
  40-50 dBA of corona (electrical discharge), insulator, and aeolian noise are produced at the edge of the ROW, with 50-60 dBA in wet weather. When outside, which we are often, we would hear the buzzing noise from the lines, which can be significantly loud. What's more, the traffic noise from Dobbin Huffsmith, Hardin Store road and 2978, would be amplified due to the removal of all of the trees and foliage from the LL and MM lines.

I would be happy to welcome CenterPoint representatives to my home, if they would like to view firsthand how LL, MM and II would impact my property. Please contact me if this is desired.

Thank you.

Christine Bortz

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____ Invitation Letter X____ Other (please specify) Hearsay from a neighbor. Although my home is one of the most impacted homes on the proposal maps, I was not directly contacted and would not have known about this project or the public meeting were it not for the conscientiousness of my neighbors.

2. In your opinion, has the need for the project been adequately explained to you?

Yes _____ No X____ If no, please explain: 'Load growth' in our county was not very helpful as a rationale as to why the substations and transmission route options were laid out as presented to us. Also, I respectfully question the timing of the project, when considering that the additional load in question was foreseen as early as 9 years ago with the 249 extension project and public meeting.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

8____	Agricultural land	2____	Schools
7____	Floodplains or wetlands	5____	Churches
3____	Recreational or park areas	9____	Cemeteries
1____	Residential areas or subdivisions	1 0 __	Historic Sites
4____	Commercial areas	6____	Wildlife
		11___	Other (please specify)

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

1____	Roads/Highways	3____	Electrical lines
4____	Telephone lines	2____	Railroads
6____	Property lines	6____	Natural features (e.g. waterways)
5____	Cultural features (e.g. fence lines)	7____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes X____ No _____

If yes, please list them below and briefly explain why they are important to you.

For me as a veteran and having invested my entire livelihood into this property as our only major asset, our homestead, and our sanctuary, the issue of how the LL, MM and II lines of this project would impact our property value and our quality of life for decades to come, is an enormous factor.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ____X__ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ____X__

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Our HOA has a private park which is important to our members, and we have many children in our neighborhood who play there. This is an important feature that we wanted to bring to your attention. Thank you.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

We strongly oppose LL, MM, II, JJ, for reasons of health and properly value.

Please see attachment.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X____ No _____

If so, please explain the type of transmission structures you prefer and why?

Underground transmission lines are certainly the most preferable overall, but double circuit steel or concrete poles no higher than 40' tall are known to be the most aesthetic wherever they are used.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X____ A preliminary transmission line segment is near my home.
Applicable Segment(s) LL, MM and II

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

X____ A preliminary transmission line segment is on my land
Applicable Segment(s) LL, MM

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes X____ No X____ If no, please explain: Somewhat. Mr. Fox was very helpful. On the other hand, I did not find the EMF information very helpful, nor did I find the information from the consultant with the route maps very helpful or particularly insightful.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____X_____ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name **JEFFREY BORTZ 11000 SUNSET AVE. MAGNOLIA, TX 77354**

☐ Do Not Contact Me ✠ Contact me regarding the following question (please specify)

Can my wife and I please be informed on the process going forward, directly by email?

I prefer to be contacted by: (choose all that apply)

X U.S. Mail Address 11000 Sunset Ave.

City _____ State _____ Zip _____

X Telephone (home) _____(work) _____(cell) **281-543-7515**

X Email Address **jeffreyalanbortz@gmail.com**

13. Additional comments (please specify): We are extremely concerned and personally impacted by the potential catastrophic impact on our health and home by potential routes LL, MM , II and JJ and the substation location behind our home, and we are prepared and willing to offer any additional context that Mr. Fox and CenterPoint may need . Thank you!

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Question #7- Attachment

11000 Sunset Ave: impact on our home from proposed routes LL, MM and II:

- Our home would experience the most disastrous impact from the LL and MM routes, arguably amongst all homeowners affected by these routes. We would also experience an enormous negative impact from the II line as well, as well as if the substation location is chosen in the backyard of our home on Dobbin Huffsmith.
- LL and MM would result in these transmission lines and substation effectively 'becoming' our 'immediate backyard'. The impacts would be disastrous for my family.
- The negative impact on our home comes from two perspectives: Health and Home Value. After serving my country in the US Army abroad for 8 years and investing our entire life savings into our one (and only) 'forever' home, the routes of LL, MM and II would effectively destroy our quality of life, our psychological health, and our livelihood as follows:
    - **Health**: Of utmost importance to the health of my family and I is the psychological impact that the sudden announcement of this project has inflicted on us as homeowners. I have not slept fully for one single night since finding out about this project. This project -specifically the prospect of the LL and MM lines completely destroying our home as we know it- has come out of nowhere and now threatens to completely change the future vision of our home life over our final years. My wife and I have been subjected to enormous psychological and emotional stress due to this project.

      Health: Even at a distance of 110 ft from the towers (under 300 ft is a 'cause for concern' distance cited by the CT Dept of Public Health), my family would be exposed to at least 5mG of EMR on a constant basis, which would be like standing 1 foot away from a microwave oven, 24 hours a day. This level is 2x higher than the EPA 'threshold of human exposure' of 2.5 mG, and 5 times higher than the 'absolutely safe' accepted value of 1 mG as per building biology standards, and 10 times higher than our current estimated value of 0.6mG and the national US average exposure. This mG level would put us in the top 1% of US citizens. It is proven that this level of exposure leads to headaches, dizziness, fatigue and insomnia, and there is also evidence -albeit inconclusive- of the increased likelihood of leukemia and cancer.

      The 'right of way' of the towers presented in the CenterPoint handout are intended merely to protect the CenterPoint assets from tree growth etc. If a truly 'human safe' ROW distance were sought for these towers, the distance would be at least 150 feet- approximately 4x the current ROW approach taken by Centerpoint. (The 2005 Draper study shows an extended risk under 200m, or 650 ft.)
    - **Home Value:** Our entire life earnings have been put into this house- it is our **only asset** and 50% of our life savings would be instantly destroyed through the LL MM and II lines and (lower Dobbin) substation as shown. We would become one of the under 1% of US homes that are under 150 ft from a high-voltage power line. Our home value would fall immediately by 50% if the LL line is executed- this is expert advice from two realtors and I will be happy to substantiate this with outside and objective expert study, if needed. Realtor experts quote a distance of 650 ft as having no impact whatsoever on our home value- the LL line as shown would place us at 5x worse than the 650 ft value.

- **Home Value**: if built, the LL line would eliminate literally every single tree bordering our property in the rear and have catastrophic impacts for us. The view from our patio and the backside of our home would be completely dominated by these transmission lines. This would result in a complete destruction of our home aesthetics and impact our quality of life dramatically.
  40-50 dBA of corona (electrical discharge), insulator, and aeolian noise are produced at the edge of the ROW, with 50-60 dBA in wet weather. When outside, which we are often, we would hear the buzzing noise from the lines, which can be significantly loud. What's more, the traffic noise from Dobbin Huffsmith, Hardin Store road and 2978, would be amplified due to the removal of all of the trees and foliage from the LL and MM lines.

I would be happy to welcome CenterPoint representatives to my home, if they would like to view firsthand how LL, MM and II would impact my property. Please contact me if this is desired.

Thank you.

Jeffrey Bortz

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____Invitation Letter _X___Other (please specify) _____
neighbor informed us

2. In your opinion, has the need for the project been adequately explained to you?

Yes x____No_____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

7	Agricultural land	4	Schools
9	Floodplains or wetlands	5	Churches
6	Recreational or park areas	3	Cemeteries
2	Residential areas or subdivisions	8	Historic Sites
1	Commercial areas	10	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

4	Roads/Highways	2	Electrical lines
3	Telephone lines	1	Railroads
7	Property lines	5	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes x____ No _____

If yes, please list them below and briefly explain why they are important to you.

It is important not to place transmission lines next to existing homes and neighborhoods. Homes are purchased because of existing conditions. To build a new transmission next to an existing home destroys the current value of the home.

We would have Never purchased our current home if we had known a power line was going up next to us!

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes x No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes_____ No X

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

There is an existing private park on Sunset Ave. The proposed line of "II", would be next to the park. The park is a pond used by neighborhood childern to fish and play. The park is between two of our homes located on our street.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

JJ/II/LL/MM These proposed power lines would change our whole neighborhood. The power line would be visable from our homes and dramatically reduce our home values. The power line will destroy our neighborhood and cause multiply families to sell their property and move. This will cause the property values to drop even lower.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X No _____

If so, please explain the type of transmission structures you prefer and why?

First Choice is to place the transmission line underground.

Second Choice is Double-Circuit Steel Pole, 40' tall

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) II/MM/LL/JJ

_____ A preliminary transmission line segment is near my business.

Applicable Segment(s) _____

x A preliminary transmission line segment is on my land .
Applicable Segment(s) II

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes x No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes_____ No x

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City_____ State_____Zip _____

☐ Telephone (home)_____(work)_____(cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice ✓ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain:
Information was vague

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

2	Agricultural land	5	Schools
4	Floodplains or wetlands	7	Churches
6	Recreational or park areas	8	Cemeteries
1	Residential areas or subdivisions	9	Historic Sites
10	Commercial areas	3	Wildlife
		11	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6	Roads/Highways	7	Electrical lines
5	Telephone lines	1	Railroads
4	Property lines	2	Natural features (e.g. waterways)
3	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No _____

If yes, please list them below and briefly explain why they are important to you.

Should not be placed on busy, narrow roads as the towers will be a distraction. Safety issue Health issue.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

The cell tower on Hardin Store Rd

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

GG, TT, KK, VV
Hardin Stove Rd. is a narrow - very busy road. the cell towers will create a distraction to drivers. Safety issue!
Health issue to homes along the route

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Bury the lines!

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) GG KK

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) GG KK

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: _____
Maps are very small and difficult to read.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No ____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.
Name Lori Day

☒ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: No SPECIFIC ELECTRICITY NEEDS WERE DESCRIBED, ONLY GENERAL AREA GROWTH.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

2	Agricultural land	5	Schools
3	Floodplains or wetlands	8	Churches
4	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	6	Historic Sites
9	Commercial areas	7	Wildlife
		11	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6	Roads/Highways	7	Electrical lines
5	Telephone lines	1	Railroads
4	Property lines	2	Natural features (e.g. waterways)
3	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

RACING ALONG BUSY ROADS WILL CREATE A VISUAL DISTRACTION THAT WILL LEAD TO SIGNIFICANT VEHICULAR SAFETY ISSUES LIKE HEAD ON COLLISIONS. PUT FAR AWAY FROM ROADS.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ____ No ✓

<u>If you were not able to speak to a representative</u>, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

CEN TOWER ON HARDIN STORE ROAD NEAR RIATA DRIVE.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

GG, KK, TT, VV LOCATING LARGE TOWERS ALONG THE NARROW / HEAVILY TRAVERSED HARLOW STORE RD. WILL CREATE SEVERE SAFETY ISSUES DUE TO VISUAL OBSTRUCTION OF DRIVERS.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

BURIED LINES TO PREVENT SAFETY CONCERNS AND VISUAL DESTRUCTION OF THIS BEAUTIFUL FORESTED AREA.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) GG, KK

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) GG, KK

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: ____

MAPS ARE TOO LARGE SCALE.
CANNOT SEE DETAILS.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes ✓ No ____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name MIKE Day

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

NEED MORE UNDERSTANDING OF WHY DUAL CIRCUITS / LOOP DESIGN. ALSO WHAT IS THE NEXT CONSTRUCTION RELATED TO THE FUTURE CONNECTIONS TO THE SUBSTATION.

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address ____

City ____ State ____ Zip ____

☐ Telephone (home) ____ (work) ____ (cell) ____

☑ Email Address mdayterminals@gmail.com

13. Additional comments (please specify): ____

THE SUBSTATION NEEDS TO BE PLACED AWAY FROM THE HARDIN STORE / DOBBIN INTERSECTION, PUT IT IN A MORE SECLUDED LOCATION.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ____ Invitation Letter ✓ Other (please specify) Neighbor

2. In your opinion, has the need for the project been adequately explained to you?

Yes ___ No ✓ If no, please explain: I "Town meeting" with many different people owning different parts of the project confusing. It was unorganized.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

7	Agricultural land	6	Schools
8	Floodplains or wetlands	5	Churches
9	Recreational or park areas	3	Cemeteries
1	Residential areas or subdivisions	4	Historic Sites
10	Commercial areas	2	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	5	Electrical lines
6	Telephone lines	4	Railroads
1	Property lines	7	Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Two different New Subdivisions have invaded our Neighborhood. The structures should be built on their/his property. Not disrupting our Neighbourhood that has faithfully supported Centerpoint for the last 40 years by paying our bills each month on time.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

What is not shown are neighbourhood, homes & families that have lived for many years together.

Faithfully supporting Contrapoint by working in the community and paying monthly bills on time each month.

It is unthinkable that you would want to disrupt and endanger these lives by intruding in our area with those structures.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

All of it. Please find another location(s) altogether.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Not

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) ____

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: As stated earlier it was confusing, noisy at the meeting. Each person had a part that they were "familiar" with. It should have been a sit down meeting with questions answered as asked so that all could hear and listen into.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ✓

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.
Name Connie DeLorme

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☒ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address connie.delorme20@gmail.com

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice ✓ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	8	Schools
10	Floodplains or wetlands	2	Churches
7	Recreational or park areas	9	Cemeteries
1	Residential areas or subdivisions	5	Historic Sites
3	Commercial areas	6	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

____	Roads/Highways	____	Electrical lines
____	Telephone lines	____	Railroads
____	Property lines	____	Natural features (e.g. waterways)
____	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ____ No ✓

If yes, please list them below and briefly explain why they are important to you.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ___/___

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ___/___

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) S

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Scott A. Goss

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address 27043 Mesa Verde Dr.
City Magnolia State TX Zip 77354

☐ Telephone (home) — (work) — (cell) 281-788-7143

☐ Email Address scottagoss@comcast.net

13. Additional comments (please specify): _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____ Invitation Letter __X___ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No __X___ If no, please explain: Which area does this substation serve? I have no doubt that this station may be required in view of the many new subdivisions of late, but many of these energy needs are in The Woodlands, so my question is, why should you build it on the Magnolia side, if it is to serve Tomball and/or the Woodlands?

Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

___7__ Agricultural land
___6__ Floodplains or wetlands
___3__ Recreational or park areas
___1__ Residential areas or subdivisions
___5__ Commercial areas
___2__ Schools
___8__ Churches
___10__ Cemeteries
____9_ Historic Sites
__4___ Wildlife
_____ Other (please specify) _____

3. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

___ Roads/Highways
___ Telephone lines
___ Property lines
____ Cultural features (e.g. fence lines)
__ Electrical lines
Railroads
___ Natural features (e.g. waterways)
_____ Other (please specify) _____

4. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ___X__ No _____

If yes, please list them below and briefly explain why they are important to you.

Careful aesthetic planning enhances not only the value of people's property, but also makes their lives valuable as they pass through and enjoy the area. Many of us have invested heavily into making this area of Montgomery County naturally beautiful, good for families, livestock, pets, and with great consideration to preserving wildlife and nature as much as humanly possible. Placing a substation within minutes/ seconds of Ranches of Pinehurst subdivision, with the lines essentially confiscating the southern border, will not only negatively impact this wonderful community, but will ensure the area's positive growth is curtailed… instantly. We urge you to consider placing this substation at MM in an area where its aesthetic and environmental challenges will have the least impact on people and wildlife…

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No __X___

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

<u>If you were not able to speak to a representative</u>, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

---

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes __X___ No _____

If so, please explain the type of transmission structures you prefer and why?

My route choice is A to D to E to P to V to HH to H to MM, with the substation constructed at MM.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

_____ A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land .
Applicable Segment(s) _____

_____ None of the above

___X__ Other (please specify) One of your preliminary transmission line segment proposals has the lines running along a large portion of our relatively small subdivision and right through our lovely entrance thereto. Whatever you do… please keep those lines away from our subdivision entrance and border! Please!

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: We were out of the country.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No ___X__

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name **Lesley Humphrey.**

_____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ X Email: paintpuddle@sbcglobal.net

☐

13. Additional comments (please specify): My route choice is A to D to E to P to V to HH to H to MM, with the substation constructed at MM.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ____ Invitation Letter _✓_ Other (please specify) _____

Neighbors

2. In your opinion, has the need for the project been adequately explained to you?

Yes _✓_ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

7 Agricultural land	6 Schools
9 Floodplains or wetlands	10 Churches
2 Recreational or park areas	8 Cemeteries
1 Residential areas or subdivisions	4 Historic Sites
5 Commercial areas	3 Wildlife
	____ Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6 Roads/Highways	3 Electrical lines
4 Telephone lines	1 Railroads
7 Property lines	2 Natural features (e.g. waterways)
5 Cultural features (e.g. fence lines)	____ Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _✓_ No ____

If yes, please list them below and briefly explain why they are important to you.

Residential neighborhoods and property value
Aesthetics and affect on natural environment
Keep far away from neighborhoods

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Substation at TT - terrible eyesore at the corner of a busy intersection
Line segments - GG, JJ, KK, TT, SS, VV (see below) - eyesore on extremely busy roads that already don't support the volume of traffic very well and will likely need to be widened

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Double circuit concrete pole - clean, streamlined, more aesthetically pleasing compared to other options with narrower right of way

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) GG

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Grant & Charissa Hunter

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice __X__ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

1	Agricultural land	5	Schools
2	Floodplains or wetlands	7	Churches
8	Recreational or park areas	9	Cemeteries
4	Residential areas or subdivisions	6	Historic Sites
10	Commercial areas	3	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

4	Roads/Highways	1	Electrical lines
3	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Do Not Place High Voltage Lines Near Homes on rural Acreage

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

I have lived on Rose Lane in Montgomery County for over 40+ years. I have an active Forest Exemption with the Appraisal District and in the process of applying for a Wild Life preservation area. High Voltage Line Activity would destroy this Activity -

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

No Transmission High Voltage Lines that would Comprise Rural Homes, Property and Wild life preservation Development.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) M

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) M

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Rodney Hutson

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☑ Email Address RKHutson@SBCglobal.Net

13. Additional comments (please specify): Please Avoid High Voltage Transmission Down Rose Lane. This would be very near our Homes and Effort To develop An Ecological Wild Life preservation on the 130 ± Acres in Rural Montgomery County.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

2	Agricultural land	5	Schools
1	Floodplains or wetlands	8	Churches
7	Recreational or park areas	9	Cemeteries
4	Residential areas or subdivisions	6	Historic Sites
10	Commercial areas	3	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	2	Electrical lines
4	Telephone lines	1	Railroads
6	Property lines	7	Natural features (e.g. waterways)
5	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Avoid compromising rural homes on acreage, especially if the proposed line does not follow an existing line

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Segment M would definitely impact our quality of life on Rosie Lane. We enjoy many forms of protected wildlife all along the road & our lakes (as well as an active tree farm). The proposed transmission lines will compromise all that we've worked for and have enjoyed for decades.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

If transmission lines are run down Rosie Lane single pole structures would be the most appropriate style & least negative impact.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) M

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) M

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Michael Curtis

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☑ Email Address Mike.Curtis@yahoo.com

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

2	Agricultural land	5	Schools
1	Floodplains or wetlands	8	Churches
7	Recreational or park areas	9	Cemeteries
4	Residential areas or subdivisions	6	Historic Sites
10	Commercial areas	3	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

4	Roads/Highways	2	Electrical lines
3	Telephone lines	1	Railroads
6	Property lines	7	Natural features (e.g. waterways)
5	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

AVOID COMROMISING HOMES ON ACREAGE, ESPECIALLY IF THE PROPOSED TRANSMISSION LINE DOES NOT FOLLOW AN EXISTING LINE.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

SEGMENT M, IMPACTING ROSIE LANE.
THIS COUNTY ROAD HAS BEEN OUR HOME SINCE 1972.
WE ENJOY MANY FORMS OF PROTECTED WILDLIFE IN AND
AROUND THE LAKES ON OUR PROPERTY AS WELL AS AN
ACTIVE TREE FARM. THESE TRANSMISSION LINES WILL
COMPROMISE ALL THAT WE'VE WORKED FOR AND HAVE ENJOYED
FOR OVER 50 YEARS.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

LEAST VISUALLY IMPACTING STRUCTURES ARE PREFERRED.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) M

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) M

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes ✓ No _____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name TERESA LATSIS

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☑ Email Address TERESA.LATSIS@YAHOO.COM

13. Additional comments (please specify): _____

PLEASE AVOID SEGMENT M ON ROSIE LANE.
THIS QUIET COUNTY ROAD HAS BEEN MY FAMILY'S
HOME FOR OVER 50 YEARS. THESE TRANSMISSION
LINES WILL COMPROMISE THE BEAUTY OF OUR HOME
AS WELL AS OUR PROPERTY VALUE. THANK YOU.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ____ Invitation Letter ✓ Other (please specify) neighbor

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	3	Schools
10	Floodplains or wetlands	6	Churches
4	Recreational or park areas	8	Cemeteries
1	Residential areas or subdivisions	7	Historic Sites
9	Commercial areas	2	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6	Roads/Highways	2	Electrical lines
3	Telephone lines	1	Railroads
4	Property lines	5	Natural features (e.g. waterways)
7	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Property values and safety of residential areas. Ability to hide the lines as much as possible is very important

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____ residential areas

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

TT KK GG

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

Whatever structure is smallest with the least impact on the environment

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) TT KK GG SS

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

Preferred route:

#1 MM > II > HH > V > P > C

#2 MM > II > HH > W > X > H > F > B

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ✓ No _____ down for maintenance not helpful

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

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CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _X_ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No _X_ If no, please explain: There are plenty of public county roads where these new lines can be safely run. Why do they need to be run through neighborhoods endangering residence and children?

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

8	Agricultural land	1	Schools
9	Floodplains or wetlands	6	Churches
3	Recreational or park areas	7	Cemeteries
2	Residential areas or subdivisions	4	Historic Sites
10	Commercial areas	5	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
5	Telephone lines	2	Railroads
6	Property lines	4	Natural features (e.g. waterways)
7	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _X_ No _____

If yes, please list them below and briefly explain why they are important to you.

Follow existing lines and public access ways

High voltage lines run through neighborhoods and private living areas create unnecessary dangers from shock and fires.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No X

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No X

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

I am concerned about Segments H and Q. These would run close to many residences and require taking of private property to acquire the right of way. Many homes are less that the required safety distance. Some homes would have to be demolished to make room. The expense for the court cases for CP and the residences on the eminent domain process would be high. It would create an unsafe area for children to live and play.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X No _____

If so, please explain the type of transmission structures you prefer and why?

None of the proposed structures would safely fit through our neighborhood and create safety hazards for children playing and create financial burden for residences during eminent domain court cases.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) Q

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

X A preliminary transmission line segment is on my land
Applicable Segment(s) Q

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes X No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No X

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name Lee Milam

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)

1. How do I find out / keep up with the planning progress of this project? How can I receive updates on what CP is going to file with the PUC?

2. How can I get copies of the surveys done by CP on the proposed paths?

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☒ Email Address Lee@ritw.com

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

To

Steve Fox, Mill Creek Substation CCN Project Manager

CenterPoint Energy, CNP-T 14th Floor

PO Box 1700

Houston, TX 77251-1700

From

Scott Nicholas

President, Ranches of Pinehurst POA

Cell 832 247 8881

Email senicholas@sbcglobal.net

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice __X__ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes __X__ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

9	Agricultural land	4	Schools
2	Floodplains or wetlands	5	Churches
7	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	6	Historic Sites
3	Commercial areas	8	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____	Roads/Highways	_____	Electrical lines
_____	Telephone lines	_____	Railroads
_____	Property lines	_____	Natural features (e.g. waterways)
_____	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes X No _____

If yes, please list them below and briefly explain why they are important to you.

In your study you have included the main entracne and a good portion of the Ranches of Pinehurst along Hardin Store RD ad Dobbin Hufsmith (Northwest Corner). This is a 602 acre subdivision with the highest ad valorem tax value of any subdivision in your study area. Over $50,000,000 in value. Your use of Hardin Store RD will greatley affect the values and decrease the county tax revenues.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

GG, KK and TT - They are not needed and will lower the home and land vaules, lowering the ad valorem tax rates.

Bad for the residnets and bad for the county revenues.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) GG

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land .
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No X

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name ~~Scott Nicholas, 832 247 8881 senicholas@sbcglobal.net~~

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

I am president of the Ranches of Pinehurst POA, representing all of the residents living in the sub division.

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☒ Telephone (home) _____ (work) _____ (cell) 832 247 8881

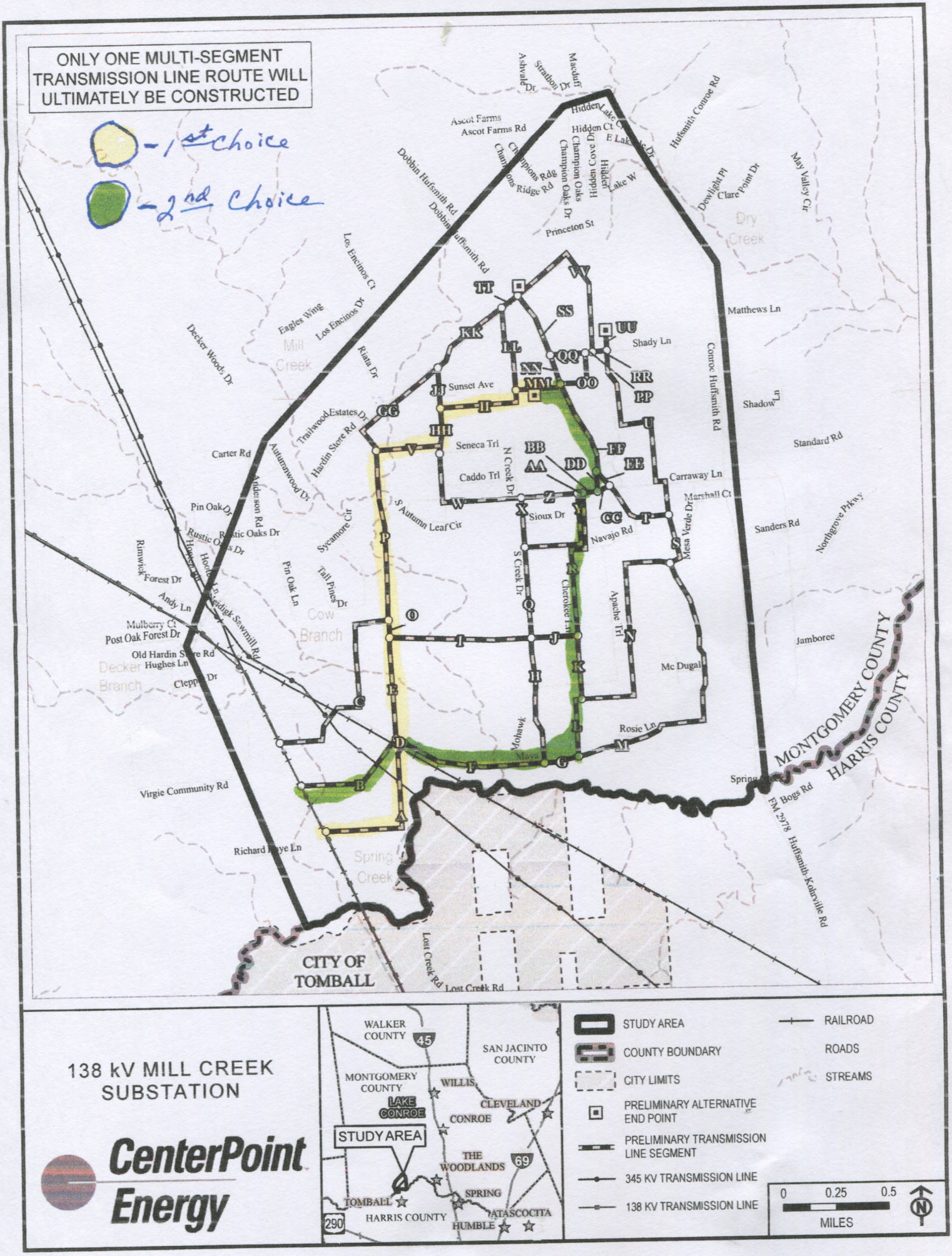
☒ Email Address senicholas@sbcglobal.net

13. Additional comments (please specify): Our route choice is A to D to E to P to V to HH to H to MM, with the substation constructed at MM

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
-1st Choice
-2nd Choice
Ascot Farms
Ascot Farms Rd
Hidden Lake Ct
Hidden Ct
E Lakeside Dr
Hufsmith Conroe Rd
Champions Rdg
Champions Ridge Rd
Champion Oaks
Champion Oaks Dr
Hidden Cove Dr
Hidden Lake W
Dobbin Hufsmith Rd
Dobbin Huffsmith Rd
Princeton St
Dewlight Pl
Clare Point Dr
May Valley Cir
Dry Creek
Los Encinos Ct
Los Encinos Dr
Eagles Wing
Mill Creek
Decker Woods Dr
Riata Dr
Matthews Ln
Shady Ln
Conroe Huffsmith Rd
Sunset Ave
Shadow Ln
Standard Rd
Trailwood Estates Dr
Hardin Store Rd
Carter Rd
Autumnwood Dr
Seneca Trl
Caddo Trl
N Creek Dr
Carraway Ln
Marshall Ct
Pin Oak Dr
Anderson Rd
S Autumn Leaf Cir
Sioux Dr
Navajo Rd
Mesa Verde Dr
Sanders Rd
Northgrove Prkwy
Rustic Oaks Dr
Sycamore Cir
Rimwick Forest Dr
Pin Oak Ln
Tall Pines Dr
S Creek Dr
Cherokee Ln
Apache Trl
Andy Ln
Neidigk Sawmill Rd
Cow Branch
Mulberry Ct
Post Oak Forest Dr
Old Hardin Store Rd
Hughes Ln
Decker Branch
Cleppe Dr
Jamboree
Mc Dugal
Rosie Ln
Mohawk
Maya
MONTGOMERY COUNTY
HARRIS COUNTY
Spring Creek
Bogs Rd
FM 2978 Huffsmith-Kohrville Rd
Virgie Community Rd
Richard Kaye Ln
Spring Creek
CITY OF TOMBALL
Lost Creek Rd
Lost Creek Rd
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
WALKER COUNTY
45
SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
LAKE CONROE
CLEVELAND
CONROE
STUDY AREA
THE WOODLANDS
69
SPRING
TOMBALL
HARRIS COUNTY
ATASCOCITA
HUMBLE
290
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0
0.25
0.5
MILES
N

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: The map is very poor quality (Project Need) and almost unreadable. Would have been helpful to have this information well in advance of the meeting.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

3	Agricultural land	5	Schools
9	Floodplains or wetlands	6	Churches
4	Recreational or park areas	8	Cemeteries
1	Residential areas or subdivisions	7	Historic Sites
10	Commercial areas	2	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

2	Roads/Highways	3	Electrical lines
5	Telephone lines	1	Railroads
7	Property lines	4	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ____ No ____ Don't remember seeing this map.

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ____ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

See attached response.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Poles (Concrete or Steel) - No Towers

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) X, Y, R, Z

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) X + Y, possibly R? unmarked section on Navajo Rd. from Creek Dr. to Long Bow.

____ None of the above

____ Other (please specify) See attached response.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No ____ If no, please explain: Sort of

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Kimra Pfeifer

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☑ U.S. Mail Address 27314 N. Creek Drive
City Magnolia State TX Zip 77354

☑ Telephone (home) ____ (work) ____ (cell) 713-303-9149

☐ Email Address ____

13. Additional comments (please specify): See attached response.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT

PUBLIC MEETING QUESTIONNAIRE

December 15, 2022

#7. Proposed segments X, Y and one that is not marked with a letter (the one from Creek Drive along Navajo Rd. to what looks like Long Bow) would directly affect our property. It might be R which comes up Cherokee Lane and then turns onto Navajo to Long Bow. Our horse pastures are along N. Creek Drive and Navajo, and we cannot lose that to an easement, nor do we want poles or towers over our horses. We have wooded area along N. Creek Drive in front of our house and it is home to deer and other wildlife, as well as being a buffer to what is now a terribly busy road due to the traffic from the two new subdivisions, Mill Creek and Enclave at Dobbin. These two neighborhoods took away approximately 100 acres of woods, so the deer and wildlife have very few wooded areas left in our acreage neighborhood to seek shelter.

#9. My response to this question is the same concerns listed above for #7.

#13. Since the new neighborhoods are the ones contributing to the need for additional load growth in our area, if it is determined that the lines and poles must run through this vicinity, then they should run through those subdivisions rather than our neighborhood (Spring Creek Forest North) which has already been diminished by the development of these two subdivisions. Everyone in Spring Creek Forest North moved here to enjoy country life and to get away from homes stacked on top of each other. When we moved here 17 years ago, we might see 10 cars pass by all day long. Now we see 10 cars pass by every couple of minutes. We want to preserve the natural beauty of our property as it is now.

Thank you for your consideration of our request.

Kimra (Kim) Pfeifer and Scott Yeager
27314 N. Creek Drive
Magnolia, TX 77354

Kim – cell phone: 713-303-9149

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice ___X__ Invitation Letter _____ Other (please specify) _____

_____

2. In your opinion, has the need for the project been adequately explained to you?

Yes _X___ No _____ If no, please explain: _____

_____

_____

_____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

__8__ Agricultural land	__2___ Schools
__9__ Floodplains or wetlands	__4__ Churches
__3__ Recreational or park areas	__11___ Cemeteries
__1__ Residential areas or subdivisions	__10__ Historic Sites
__6__ Commercial areas	__7__ Wildlife
	_____ Other (please specify)

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____ Roads/Highways	_____ Electrical lines
_____ Telephone lines	_____ Railroads
_____ Property lines	_____ Natural features (e.g. waterways)
_____ Cultural features (e.g. fence lines)	_____ Other (please specify) _____

_____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes __X___ No _____

If yes, please list them below and briefly explain why they are important to you.

Existing developments should not be disturbed or forced to give up land. Taking 80-90 feet from a property destroys the property value and ruins the natural state many of us have been cultivating in this area for decades. Some of the routes are through highly appraised developments and the county will see a marked drop in tax revenues.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Segments TT, GG and KK would devastate those properties on Hardin Store.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

___X__ A preliminary transmission line segment is near my home.
Applicable Segment(s) ___GG KK__

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

__X___ A preliminary transmission line segment is on my land .
Applicable Segment(s) __KK___

_____ None of the above

_____ Other (please specify)

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No ___Tried MANY times but is always 'under development'__

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name **___Fernando J. Rueda**_____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) ____936-494-5887___

☐ Email Address ____ragnarok@loscyborgs.com_____

13. Additional comments (please specify): *My route choice is A to D to E to P to V to HH to H to MM, with the substation constructed at MM.*

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor

P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice ___✔___ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ___✔___ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

high-end subdivisions ->

9	Agricultural land	4	Schools
2	Floodplains or wetlands	5	Churches
7	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	6	Historic Sites
3	Commercial areas	8	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____	Roads/Highways	_____	Electrical lines
_____	Telephone lines	_____	Railroads
_____	Property lines	_____	Natural features (e.g. waterways)
_____	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

This study should consider undeveloped property areas in order to impact the least amount of residences

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ___✔___ No _____

If yes, please list them below and briefly explain why they are important to you.

In the study area you presented, you've included the main entrance and a significant number of residences of The Ranches of Pinehurst along Hardin Store Road & Dobbin Huffsmith northwest corner. The Ranches of Pinehurst is a 602-acre subdivision with the highest Ad Valorem tax value of any subdivision in the study ~~area - over $50 million dollars in value. Your proposed use of Hardin Store Road will significantly impact~~ the values and decrease county tax revenues. The suggested easement will push into these property lines ~~and includes the clearing of tree buffers that provide noise buffers to the residences from the high traffic~~ along Hardin Store, not to mention will increase traffic hazards for residents since the roadway is narrow. There is also a nature reserve within The Ranches of Pinehurst that will be impacted by this proposal.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✔ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✔

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

There is an AT&T cell tower along segment KK on Hardin Store Road. Since it is unlikely that this would be brought down, it would mean that the path would continue across the road from the cell tower - meaning that the all of the properties of The Ranches of Pinehurst along Hardin Store Road will be impacted by the placement of the proposed easement and transmission lines.

Also along path KK, there are gas lines and AT&T fiber optic lines that run along the north side of Hardin Store Road.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Segments GG, KK and TT aren't needed when there are other proposed paths that will impact fewer people and tax concerns. The use of segments GG, KK, and TT will significantly lower land values, resulting in lowering the Ad Valorem tax rates, which is bad for the residents and the county revenues.

Also - as mentioned in my response to Question #5 - cutting into our properties along Hardin Store Road (segments GG, KK and TT) will result in cutting back a significant amount of tree line buffers that provide safety for the residents as well as the deer herd that lives in the Nature Reserve as well as roams the subdivision. Many vehicle accidents happen along this roadway and the trees stop vehicles from running further onto the property. Additionally, segment KK will cut into my neighbor's property at 27707 Hardin Store Road, which will result in displacing a senior citizen and making him homeless.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✔ A preliminary transmission line segment is near my home.
Applicable Segment(s) KK

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

✔ A preliminary transmission line segment is on my land .
Applicable Segment(s) KK

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✔ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?Yes _____ ✔ No _____No- the site was down and unavailable

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name Sonya Calooy

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

I don't believe segments GG, KK and TT are necessary when there are other routes that will impact fewer people.

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☑ Telephone (home) _____ (work) _____ (cell) 214-914-9935

☑ Email Address sonya@calooy.com

13. Additional comments (please specify): _____

I suggest using the proposed endpoint on segment MM or UU, not the one on TT. The endpoint on MM is much closer to the transmission lines you are wanting to connect to in Tomball, especially if you use segments II and MM, which is currently on undeveloped land.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice __X__ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes __X__ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

9	Agricultural land	2	Schools
10	Floodplains or wetlands	3	Churches
7	Recreational or park areas	4	Cemeteries
1	Residential areas or subdivisions	5	Historic Sites
8	Commercial areas	6	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	5	Electrical lines
6	Telephone lines	7	Railroads
1	Property lines	4	Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes __X__ No _____

If yes, please list them below and briefly explain why they are important to you.

Mill Creek erosion due to flooding along proposed route Section P

Detrimental effect on property values if lines/towers are visible from property

We would prefer the line be buried and we would be open to paying higher electric rates because of the higher cost associated with this construction option..

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _X_

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Section P - land to east of Section P, from what I have been told, is located in a floodway so locating the line, if this route is chosen, as far from the Tall Pines subdivision property lines would hide the power line from view and not affect property values.

Section P - My neighbor's house on the lot to the south of mine sits back almost on the eastern property line. From what I am told the power line cannot be any closer than 300' to a residence. To meet this requirement the line would have to be moved further east than the proposed route.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _X__ No _____

If so, please explain the type of transmission structures you prefer and why?

Bury the line to avoid the blight these the towers and lines would cause. Also, would reduce cost & service disruptions associated with wind damage from storms.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

__X__ A preliminary transmission line segment is near my home.
Applicable Segment(s) _P___

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land .
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _X_ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No _X, site did not work!

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name Denni8s & Lynda Scheer

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

610 Tall Pines Dr
Magnolia, TX 77354

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☒ Email Address dennis.scheer@att.net

13. Additional comments (please specify): _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ____ Invitation Letter ____ Other (please specify) ✓
TRPPOA - The Ranches at Pinehurst POA Directors

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

7 Agricultural land	4 Schools
3 Floodplains or wetlands	5 Churches
6 Recreational or park areas	10 Cemeteries
11 Residential areas or subdivisions	9 Historic Sites
8 Commercial areas	2 Wildlife
	____ Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6 Roads/Highways	3 Electrical lines
7 Telephone lines	5 Railroads
1 Property lines	4 Natural features (e.g. waterways)
2 Cultural features (e.g. fence lines)	____ Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

I understand some people have to suffer based on your decision. But to force TRP owners to incur the expense & inconvenience of having to relocate our main entrance at MSR & Riata should be your least-preferred option.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____ Not that I'm aware of ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

_____

_____

_____

_____

_____

_____

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

I believe the segments TT, GG, and KK would be very negative for many TRP owners and it should be your option of last resort.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No ✓

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) GG+KK

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: NA - I was out of town.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No ✓ I tried several times, always says "Check back soon".

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Lee Turner

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☑ Email Address leeaturner@aH.net

13. Additional comments (please specify): _____

Steve, I think the option giving the least suffering to the most people is this: build the substation at MM and use this route: A→O→E→P→V→AH→H→MM.

Thanks for the opportunity to comment: good democracy.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____Invitation Letter _X__Other (please specify) _____
neighbor informed us

2. In your opinion, has the need for the project been adequately explained to you?

Yes x____No_____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

7	Agricultural land	4	Schools
9	Floodplains or wetlands	5	Churches
6	Recreational or park areas	3	Cemeteries
2	Residential areas or subdivisions	8	Historic Sites
1	Commercial areas	10	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

4	Roads/Highways	2	Electrical lines
3	Telephone lines	1	Railroads
7	Property lines	5	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes x No _____

If yes, please list them below and briefly explain why they are important to you.

Nobody wants power lines in their neighborhood because that is not how they bought their property in the first place. Power lines destroy the beauty of the existing properties. Placing a new transmission line next to an existing neighborhood and houses will adversely affect the property values. Homes are purchased because of existing conditions. Nobody I know of would buy into a property or subdivision if a power line was next to it. I certainly would not have bought my house if one had been present or if one was pending to be built!!!!!!

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes x No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No X

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Sunset Ave already has a private park. There are always children playing at the park and some of them try fishing and have family picknicks, etc., next to the pond in the park. We have stocked the pond with fish at our own expense. This proposed line of "II" would ruin the pond experience and the beauty of our subdivision. Family get togethers would no longer have the same beauty or memories should a power line go up. This private park/pond is on property between two homes and is maintained by us in the neighborhood.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

JJ/II/LL/MM Property values would crash. It would be terrible for future sales on new homes/existing homes for resale. A new power transmission line would screw up our neighborhood. We would not be able to look out the back of our property without seeing the proposed power lines. That would kill our outside backyard experience, not to mention having to constantly view the ugly transmission lines. I believe we would see many current home owners sell their properties. This will cause the property values to drop even lower and would kill future new builds.

8. Do you have a preference on the type of transmission structures being proposed?

Yes X No _____

If so, please explain the type of transmission structures you prefer and why?

Put the transmission lines underground where no one can see them. It would keep the beauty of the property intact. This is the best option.

Second option would be double-circuit Steel Pole, 40' tall

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) II/MM/LL/JJ

_____ A preliminary transmission line segment is near my business.

Applicable Segment(s) _____

x A preliminary transmission line segment is on my land .
Applicable Segment(s) II

_____ None of the above

_____ Other (please specify) _____

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes x No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes_____ No x____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City_____ State_____Zip _____

☐ Telephone (home)_____(work)_____(cell) _____

☐ Email Address brian.walker@nov.com

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _____Invitation Letter _____x Other (please specify) _____
Neighbor

2. In your opinion, has the need for the project been adequately explained to you?

Yes x No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

9	Agricultural land	4	Schools
10	Floodplains or wetlands	6	Churches
3	Recreational or park areas	5	Cemeteries
2	Residential areas or subdivisions	7	Historic Sites
1	Commercial areas	8	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
6	Property lines	5	Natural features (e.g. waterways)
7	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes x_____ No _____

If yes, please list them below and briefly explain why they are important to you.

Transmission lines should not be placed next to existing residences and neighborhoods. The existence of transmission lines next to existing homes destroys property values. A major consideration when we bought our home was the fact there were no transmission lines nearby. Had we known that in the future a transmission line was to be built in our neighborhood we would have never purchased our current home.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes x_____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No x_____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

There is an existing park located in our subdivision on Sunset Avenue which is not reflected on your map. The park has a pond which is used extensively by the neighborhood residents and their children.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Transmission line segments JJ, II, LL and MM are particularly problematic. Power lines along these segments would be visible from our homes and park thereby dramatically affecting our property values. If these segments are approved for construction, I'm afraid we would have to move to a neighborhood that has no transmission lines.

8. Do you have a preference on the type of transmission structures being proposed?

Yes x_____ No _____

If so, please explain the type of transmission structures you prefer and why?

Underground transmission lines along segments JJ, II, LL and MM would be the only choice I have.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

x_____ A preliminary transmission line segment is near my home.
Applicable Segment(s): II, JJ, LL and MM.

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

x_____ A preliminary transmission line segment is on my land .
Applicable Segment(s) II

_____ None of the above

_____ Other (please specify) _____

_____

_____

_____

_____

_____

_____

_____

_____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes x_____ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No x_____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____(work) _____(cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

9	Agricultural land	4	Schools
2	Floodplains or wetlands	5	Churches
7	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	6	Historic Sites
3	Commercial areas	8	Wildlife
	↑ high end	____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

____	Roads/Highways	____	Electrical lines
____	Telephone lines	____	Railroads
____	Property lines	____	Natural features (e.g. waterways)
____	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

In your Study Area you've taken in, you've included the main entrance and a good portion of The Ranches at Pinehurst along Hardin Store Rd & Dobbin Huffsmith (Northwest Corner). This is a 602 Acre subdivision with the highest Ad Valorem Tax value of any subdivision in your Study Area (over) over $50,000,000 in value – Your use of Hardin Store Road will greatly affect these values & decrease County Tax Revenues.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

GG, KK + TT – They aren't needed and will lower home & land values – Lowering ad valorem tax rates – Bad for the residents & Bad for county revenues

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) GG

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No ✓ it was down when I ~~tried~~ Tried.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Tim Weems - 713-725-6114 timweems@sbcglobal.net

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)
Are segments GG, KK & TT necessary — I don't think so.

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____
City _____ State _____ Zip _____

☑ Telephone (home) _____ (work) _____ (cell) 713-725-6114

☑ Email Address timweems@SBCGLOBAL.NET

13. Additional comments (please specify): You should use the End Point on Section MM or UU & Not the one on TT.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

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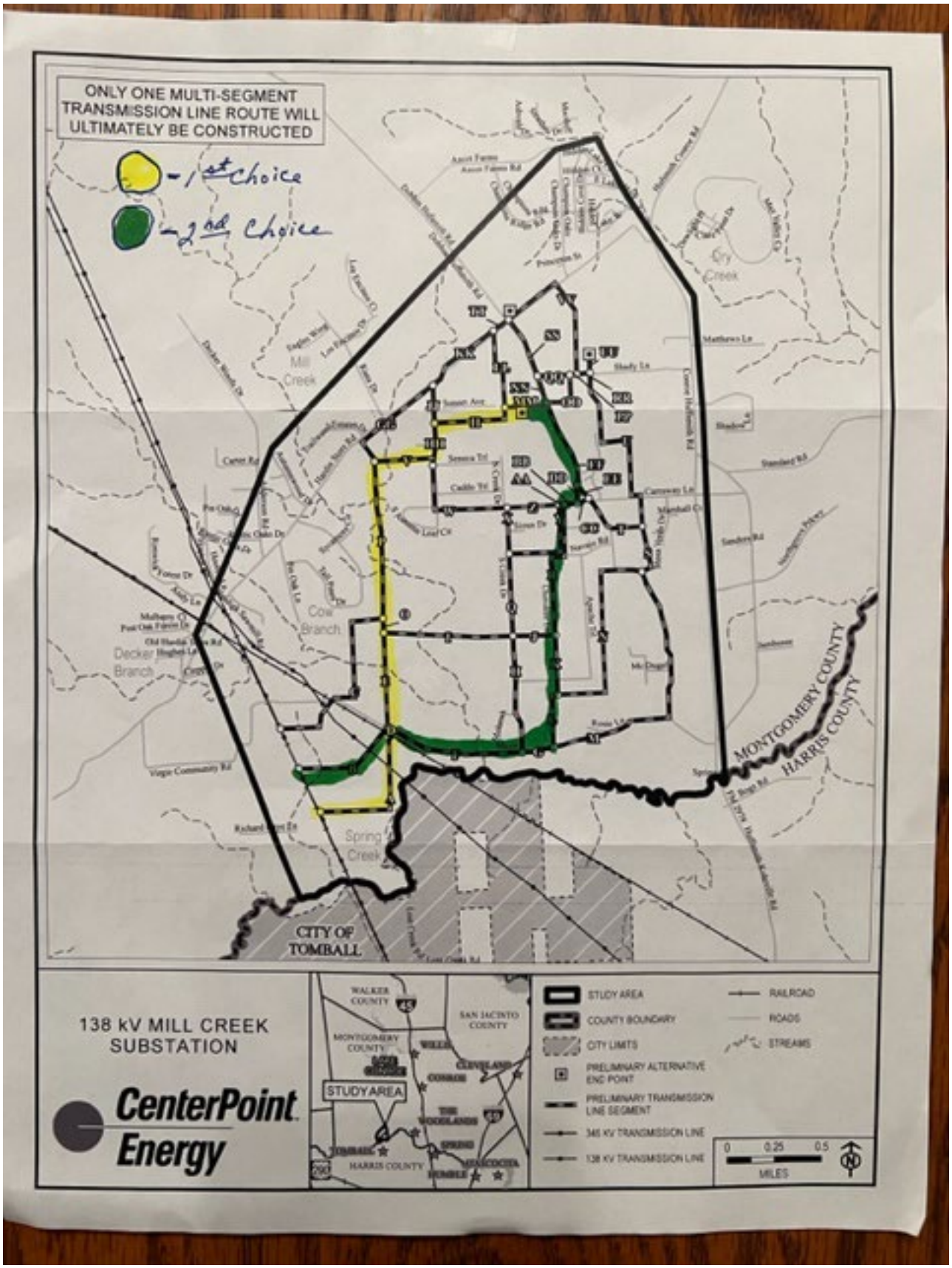
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
1st Choice
2nd Choice
MONTGOMERY COUNTY
HARRIS COUNTY
CITY OF TOMBALL
Mill Creek
Cow Branch
Decker Branch
Spring Creek
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
STUDY AREA
WALKER COUNTY
SAN JACINTO COUNTY
MONTGOMERY COUNTY
HARRIS COUNTY
CLEVELAND
CONROE
THE WOODLANDS
SPRING
TOMBALL
HUMBLE
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0 0.25 0.5
MILES
N

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice _X_ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes _X_ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

1	Agricultural land	____	Schools
____	Floodplains or wetlands	____	Churches
____	Recreational or park areas	____	Cemeteries
____	Residential areas or subdivisions	____	Historic Sites
11	Commercial areas	____	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

2	Roads/Highways	____	Electrical lines
____	Telephone lines	1	Railroads
____	Property lines	____	Natural features (e.g. waterways)
____	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _X_ No ____

If yes, please list them below and briefly explain why they are important to you.

Yes use existing routing

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No X

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No X

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

_____

_____

_____

_____

_____

_____

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

_____

_____

_____

_____

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

_____ A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

_____

_____

_____

_____

_____

_____

_____

_____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes X No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No X

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name Norma Wampler

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☒ U.S. Mail Address 1006 Virgie Community Rd

City Magnolia State TX Zip 77354

☐ Telephone (home) 281 356-8588 (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: The people in Tall Pines believe that the chosen section, labeled "P" on the plot is not the best location for the proposed transmission line.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	N/A	Schools
3	Floodplains or wetlands	N/A	Churches
N/A	Recreational or park areas	N/A	Cemeteries
2	Residential areas or subdivisions	N/A	Historic Sites
N/A	Commercial areas	4	Wildlife
		1	Other (please specify) _____

The arial & property devaluation impact will be 40%. This will affect all appraisal values for all homeowners in the area.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Currently, there is an accurately positioned 345 KV transmission line available in Harris County that will better service the Mill Creek Substation project. Utilization of the current 345 KV transmission line will have less negative monetary impact to tall pines subdivision owners as well as result in decreased overall construction costs.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

The maps provided at the public meeting lacked accurate descriptions and details necessary for a clear understanding of the proposed sites and equipment to be placed. It was very difficult to read and unable to be interpreted.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

For proposed segment P, there will be a significant property & aerial devaluation of 40% or greater. Segment P also impacts FEMA zone 500 year floodplain homesites; FEMA zone 100 year flood plain homesites; & FEMA zoned AE floodplain homesited; all of which flooded in 2015, 2016 and 2017.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Prefer no transmission lines or equipment for reasons stated in previous question (#7)

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) P

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) P

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) Current proposed segment P is measured to be only 50 feet from lot lines of Tall Pines subdivision. Electric magnetic fields exposure research highly suggests no less than 300 feet with the understanding that 700 feet is better.

The FEMA floodway encroachment

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: The verbal presentation at the meeting was not clear & concise. It was not organized well and lacked guidance. It was very confusing.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ✓ There was no functional website available before or during the meeting.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

I would like to see studies for alternate usage, including the ~~alternate~~ existing 354 KV transmission line.

I prefer to be contacted by: (choose all that apply)

☑ U.S. Mail Address 26630 Sycamore Cir.

City Magnolia State Tx Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) 281 475 7866

☐ Email Address _____

13. Additional comments (please specify): This is my retirement home. I do not have time to rebuild my property value

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

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Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	6	Schools
2	Floodplains or wetlands	7	Churches
3	Recreational or park areas	____	Cemeteries
1	Residential areas or subdivisions	____	Historic Sites
____	Commercial areas	4	Wildlife
		____	Other (please specify) _____

large loss to the overall tax revenue as values drive.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

5	Roads/Highways	2	Electrical lines
4	Telephone lines	1	Railroads
7	Property lines	3	Natural features (e.g. waterways)
8	Cultural features (e.g. fence lines)	6	Other (please specify) underground

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

property tax

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

We have a deep drainage gully that will at times flood Hardin Store Rd. which does flood in a number of places.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

TT KK GG

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

single pole construction

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) TT KK GG

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) TT KK

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) TTKK

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No ✓ If no, please explain: unable to attend

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes ✓ No _____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name Why select the most pristine and beautiful land to damage.

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☑ Email Address windswept farm@yahoo.com

13. Additional comments (please specify): _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

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Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice __✓__ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

_____	Agricultural land	_____	Schools
_____	Floodplains or wetlands	_____	Churches
_____	Recreational or park areas	_____	Cemeteries
1 ✓	Residential areas or subdivisions	_____	Historic Sites
_____	Commercial areas	_____	Wildlife
		_____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

6	Roads/Highways	_____	Electrical lines
_____	Telephone lines	_____	Railroads
4	Property lines	_____	Natural features (e.g. waterways)
_____	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No _____

If yes, please list them below and briefly explain why they are important to you.

Transmission lines should not cross residential property

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

T
Section T would cross my front yard! This is too much of an impact for me.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

___✓___ A preliminary transmission line segment is near my home.
Applicable Segment(s) T

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

___✓___ A preliminary transmission line segment is on my land
Applicable Segment(s) T

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ No _____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

Please contact me if you are planning to use line segment T, or if you decide on another route

I prefer to be contacted by: (choose all that apply)

☑ U.S. Mail Address 22315 Dobbin-Huffsmith Rd

City Magnolia State Tx Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): A better choice would be A-D-E-P-GG-KK-TT. This crosses the flood plain.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. **How did you learn about this public meeting?**

_____ Newspaper Notice ✓ Invitation Letter _____ Other (please specify) _____

2. **In your opinion, has the need for the project been adequately explained to you?**

Yes ____ No X If no, please explain: Tall Pines Homeowners believe there are better Routes for the Proposed Transmission Line "P" segment

3. **Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)**

5	Agricultural land	N/A	Schools
3	Floodplains or wetlands	N/A	Churches
N/A	Recreational or park areas	N/A	Cemeteries
2	Residential areas or subdivisions	N/A	Historic Sites
N/A	Commercial areas	4	Wildlife
		1	Other (please specify) Aerial and Property devaluations will have an negative impact of up to 40% in property values. This will impact all property owners in Tall Pines.

4. **Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)**

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. **In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?**

Yes ✓ No ____ Refer to Exhibit "A"

If yes, please list them below and briefly explain why they are important to you.

A currently available 345 KV transmission line in Harris Co is positioned to better serve the Mill Creek Substation project. Providing less monetary impact to Tall Pines Homeowners. Tapping into this 345KV line appears to be more economical for (over) Center Point.

* presented option of connecting Segment "W" to Segment "I" would have ZERO impact on homeowners.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below. Refer to Exhibit "B"

Public meeting & maps provided inaccurately offered "Key" "Map key" legends/descriptions of the two studies in detail (cited) or options (cited) to supply power. Confusing lack of attention to detail for general public.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern. "P"
Refer to EXHIBITS "C" & "D" Proposed Segment "P"
① Property Devaluation ② Aerial Devaluation
③ Proposed Segment "P" impacts FEMA zoned wasteland/Floodway in addition to FEMA zoned 500 year Flood plain homesites Flood plain homesites that flooded in recent years 2015, 2016, 2017, Segment "P" will further impact property values in a negative way - up to 40%

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Prefer NO transmission lines - Segment "D"
Refer to Question # 7

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters. Segment "P"

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) "P"

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) ____

1. Current proposed segment "P" is 50' o/l property lines of Tall Pines homesites.
2. EMF (Electric & Magnetic Fields) exposure research suggests min of 300' with 700' being preferred. - Medical issues
3. FEMA Floodway encroachment
4. Connecting Segment "W" to segment "I" has zero impact of homesites zero impact on homeowners. zero EMF concerns.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No V If no, please explain: presentation was vague and incomplete. No informative presentation. Zero descriptive information.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No V website is unavailable. Link is down.

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address 26614 Sycamore Circle

City Magnolia State TX Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address sjcabral64@gmail.com

13. Additional comments (please specify): _____

* Connecting segment "W" to segment "I"

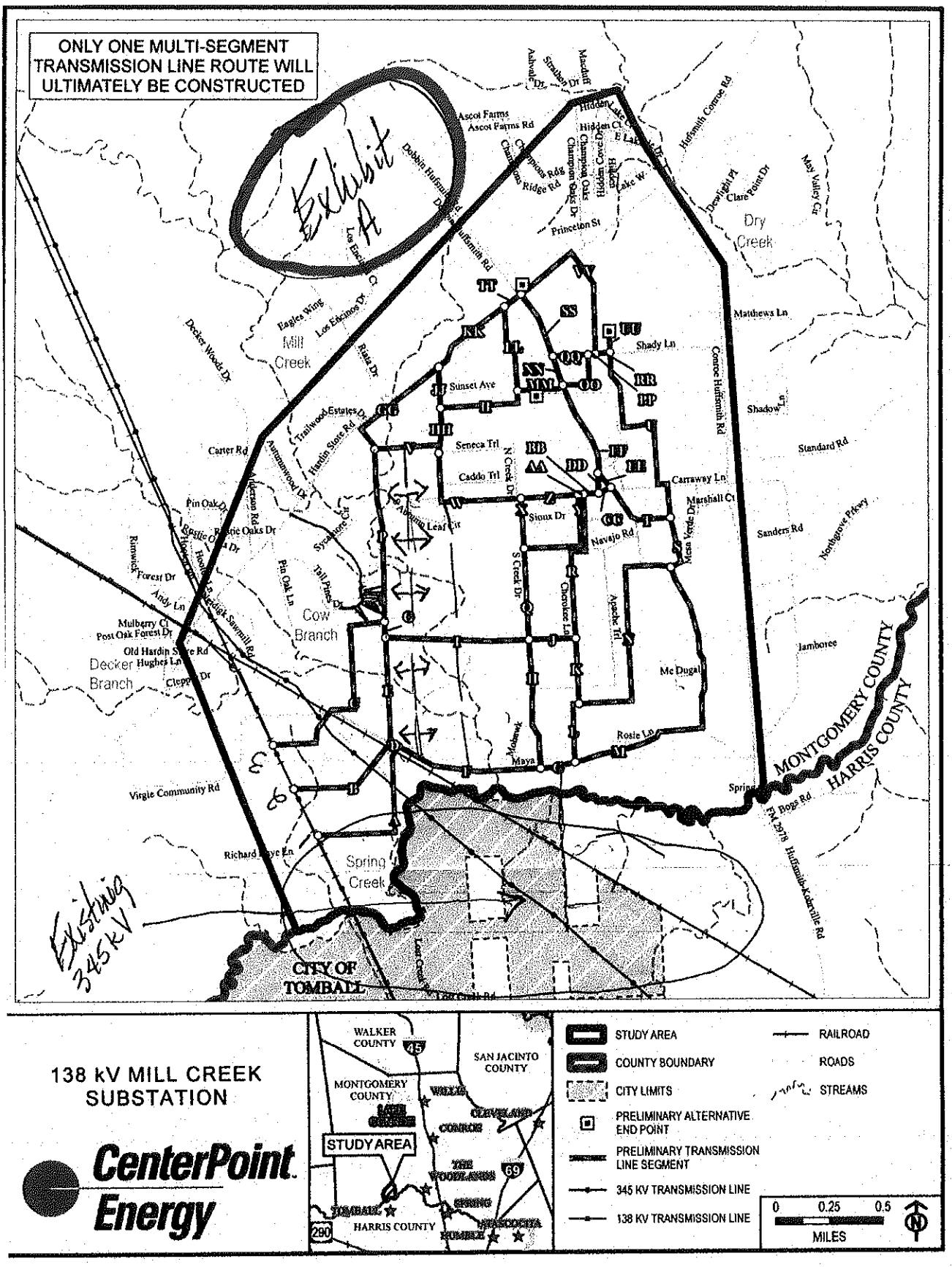
* Please donot proceed with Segment "P"

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

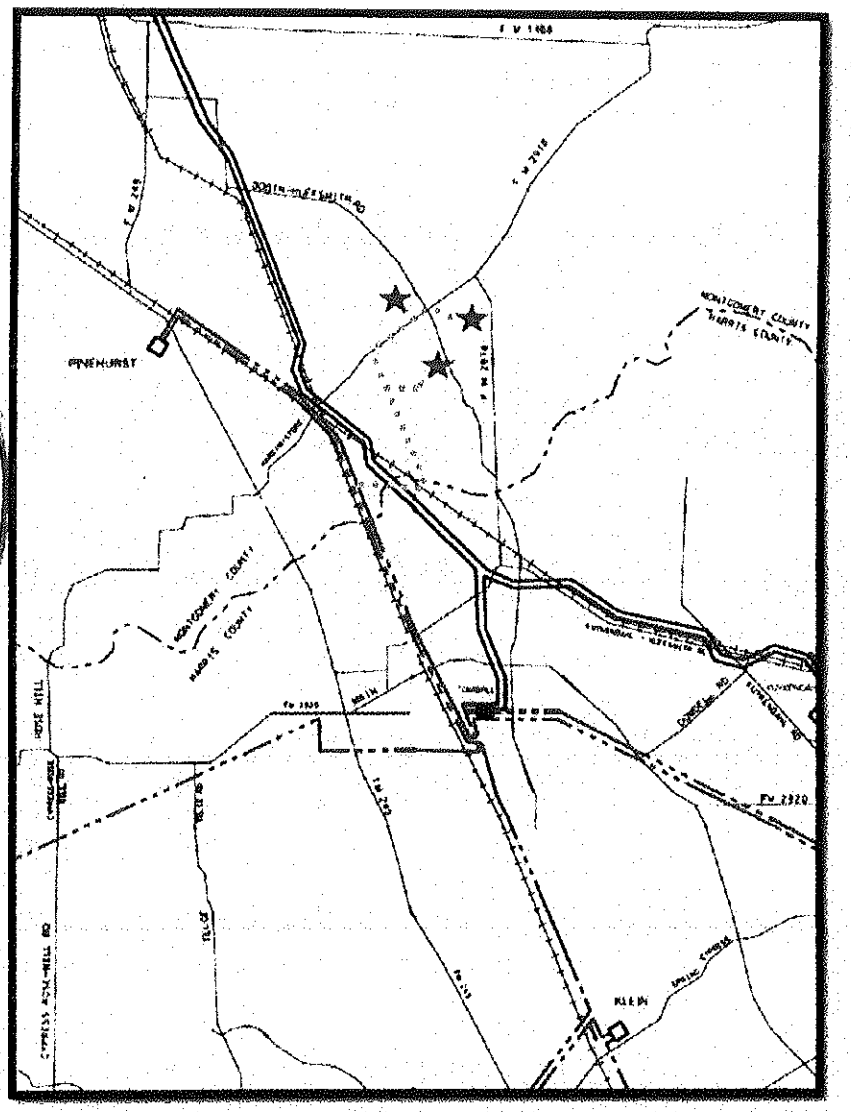
Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
Exhibit A
Existing 345 kV
Mill Creek
Cow Branch
Decker Hughes Branch
Spring Creek
Dry Creek
CITY OF TOMBALL
MONTGOMERY COUNTY
HARRIS COUNTY
Ascot Farms Rd
Shady Ln
Matthews Ln
Sunset Ave
Seneca Trl
Caddo Trl
Sioux Dr
Navajo Rd
Carraway Ln
Marshall Ct
Standard Rd
Sanders Rd
Jamboree
Shadow
Carter Rd
Virgie Community Rd
Richard Frye Ln
Rosie Ln
Maya
Mohawk
Me Dugal
Apache Trl
Cherokee Ln
S Creek Dr
N Creek Dr
Mesa Verde Dr
Northgrove Pkwy
FM 2978
Huffsmith-Kohrville Rd
Conroe-Huffsmith Rd
Dobbin Huffsmith Rd
Huffsmith Rd
Old Hardin Store Rd
Hardin Store Rd
Trailwood Estates
Decker Woods Dr
Eagles Wing
Los Encinos Dr
Rata Dr
Princeton St
Champion Ridge Rd
Champion Oaks Dr
Hidden Lake W
Hidden Lake Ct
Clare Point Dr
May Valley Cir
Strubing Dr
Macduff
Ashwal Dr
Pin Oak Dr
Rustic Oaks Dr
Sycamore Ct
Tall Pines Dr
Pin Oak Ln
Rimwick Forest Dr
Andy Ln
Mulberry Ct
Post Oak Forest Dr
Clepper Dr
Anderson Rd
Autumnwood Dr
Abundant Leaf Cir
Tour Creek Rd
Spring
Tomball
Cypress
Hockley
Waller
Willis
Cleveland
Conroe
The Woodlands
Huffman
Humble
Houston
Harris County
Montgomery County
San Jacinto County
Walker County
45
69
290
STUDY AREA
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0 0.25 0.5
MILES
N

Project Need
Mill Creek Distribution Substation

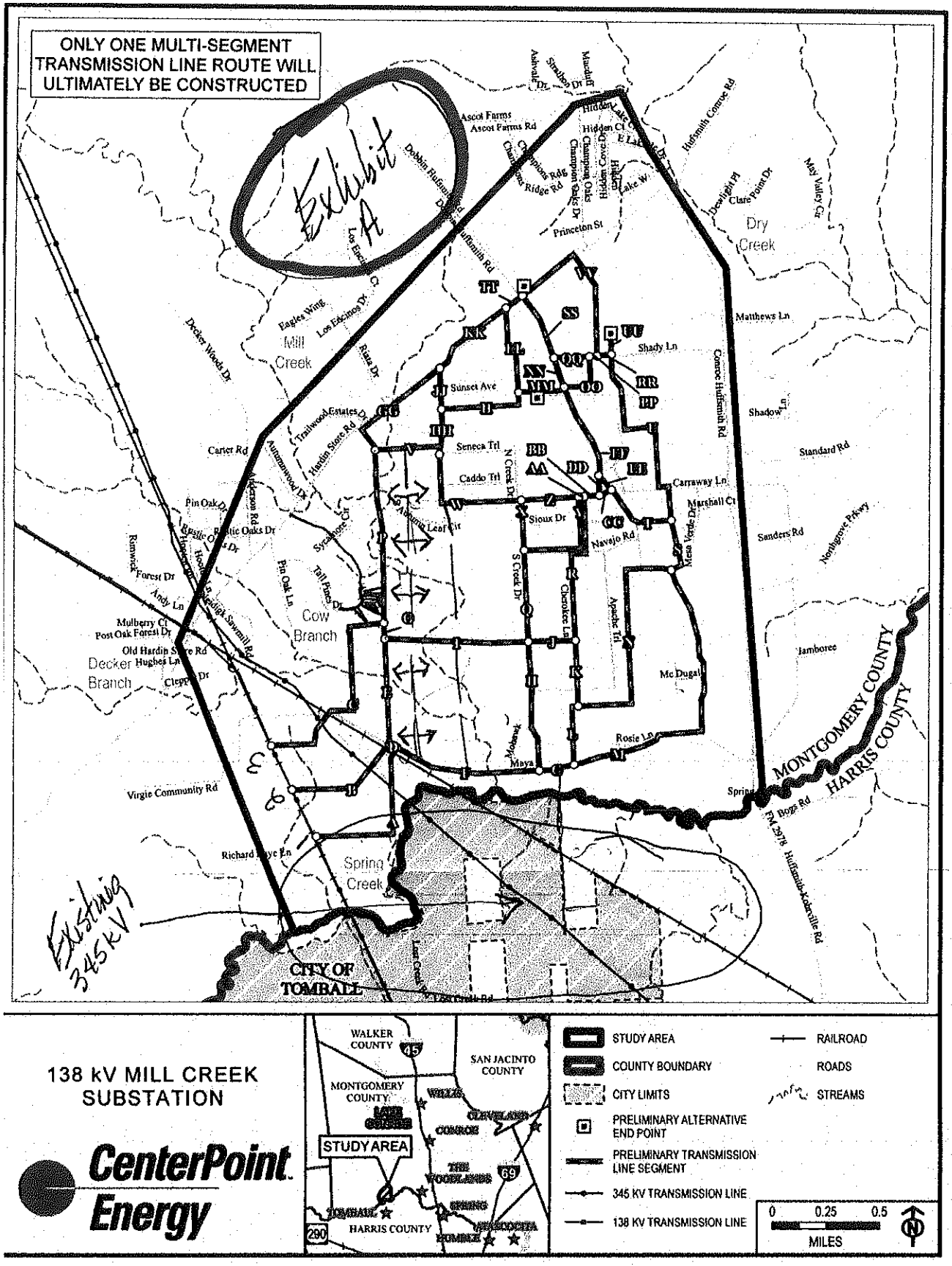
Exhibit 15



No Detail

- CenterPoint Energy studied 2 different transmission options to supply power to the 138/35 kV Mill Creek Substation.
- CenterPoint Energy concluded that Mill Creek substation will be a 138/35 kV distribution substation with 2-100 MVA transformers, 4-35 kV feeders, configured as a 138 kV loop substation to serve the forecasted 2025 load.
- Mill Creek substation will be looped on 138 kV Pinehurst to Tomball Ckt. 81 with an approximately 3-6 mi double circuit line.
- The project will improve the reliability and load serving capabilities of the region.

CenterPoint Energy


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
Exhibit A
Existing 345 kV
Mill Creek
Cow Branch
Decker Branch
Spring Creek
Dry Creek
CITY OF TOMBALL
MONTGOMERY COUNTY
HARRIS COUNTY
Ascot Farms
Ascot Farms Rd
Princeton St
Matthews Ln
Shady Ln
Sunset Ave
Seneca Trl
Caddo Trl
Sioux Dr
Navajo Rd
Carraway Ln
Marshall Ct
Standard Rd
Sanders Rd
Shadow Ln
Carter Rd
Pin Oak Dr
Forest Dr
Andy Ln
Mulberry Ct
Post Oak Forest Dr
Old Hardin Store Rd
Virgie Community Rd
Richard Kaye Ln
Rosie Ln
Maya
Mohawk
Cherokee Ln
Apache Trl
Mesa Verde Dr
Jamboree
Mc Dugal
Spring
FM 2978
Huffsmith-Kohrville Rd
Huffsmith Conroe Rd
Conroe Huffsmith Rd
Northgrove Pkwy
Tall Pines Dr
Pin Oak Ln
Hardin Store Rd
Trailwood Estates Dr
Autumnwood Dr
Autumn Leaf Cir
Decker Woods Dr
Eagles Wing
Los Encinos Dr
Los Encinos Ct
Riata Dr
Champions Rdg
Champions Ridge Rd
Champions Oaks Dr
Hidden Cove Dr
Hidden Ct
Hidden Lake Dr
Dewlight Pl
Clare Point Dr
May Valley Cir
Dobbin Huffsmith Rd
Stratford Dr
Ashdale Dr
Lee Creek
Lee Creek Rd
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
WALKER COUNTY
SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
CLEVELAND
CONROE
THE WOODLANDS
TOMBALL
SPRING
HUMBLE
HARRIS COUNTY
STUDY AREA
45
69
290
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0 0.25 0.5
MILES
N

Tall Pines Subdivision - Directly Affected Homeowners:

R164785 - Onchen - 500 Year Flood Zone.

R164787 - Gilberts - 500 Year Flood Zone, AE Floodplain.

R164788 - McBee - 500 Year Flood Zone.

R164789 - Cosby - 500 Year, AE Floodplain, 100 Year Floodplain, 100 Year Wasteland/Floodway.

R164790 - Sheers - 500 Year, 100 Year Floodplain.

R164791 - Caplinger - 500 Year, AE Floodplain, 100 Year Wasteland/Floodway.

R164793 - Cabral - 500 Year, 100 Year Floodplain.

R164794, R164795, R46724 - Zimmmerman - 500 Year Year, AE Floodplain, 100 Year Floodplain, 100 Year Wasteland/Floodway.

R510345 is owned by Harris/Montgomery County Management District. 500 Year Flood, AE Floodplain, 100 Year Floodplain and 100 Year Wasteland/Floodway.

Mill Creek South Development has built a mountainous berm on top of a natural Wasteland/Floodway. Mountainous berm approximately 40 feet high. Forcing all Mill Creek natural water flow, from a natural creek, towards the Tall Pines Subdivision. Ultimately changing water flow direction of a natural creek.

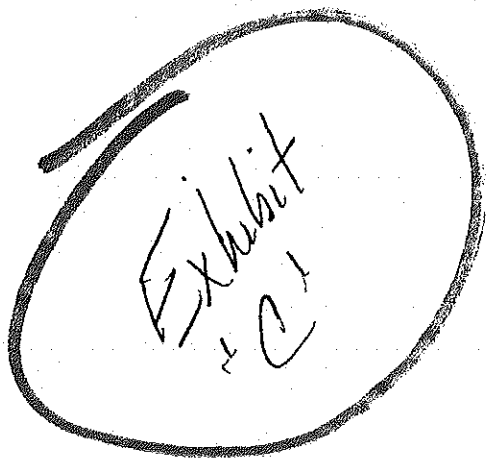
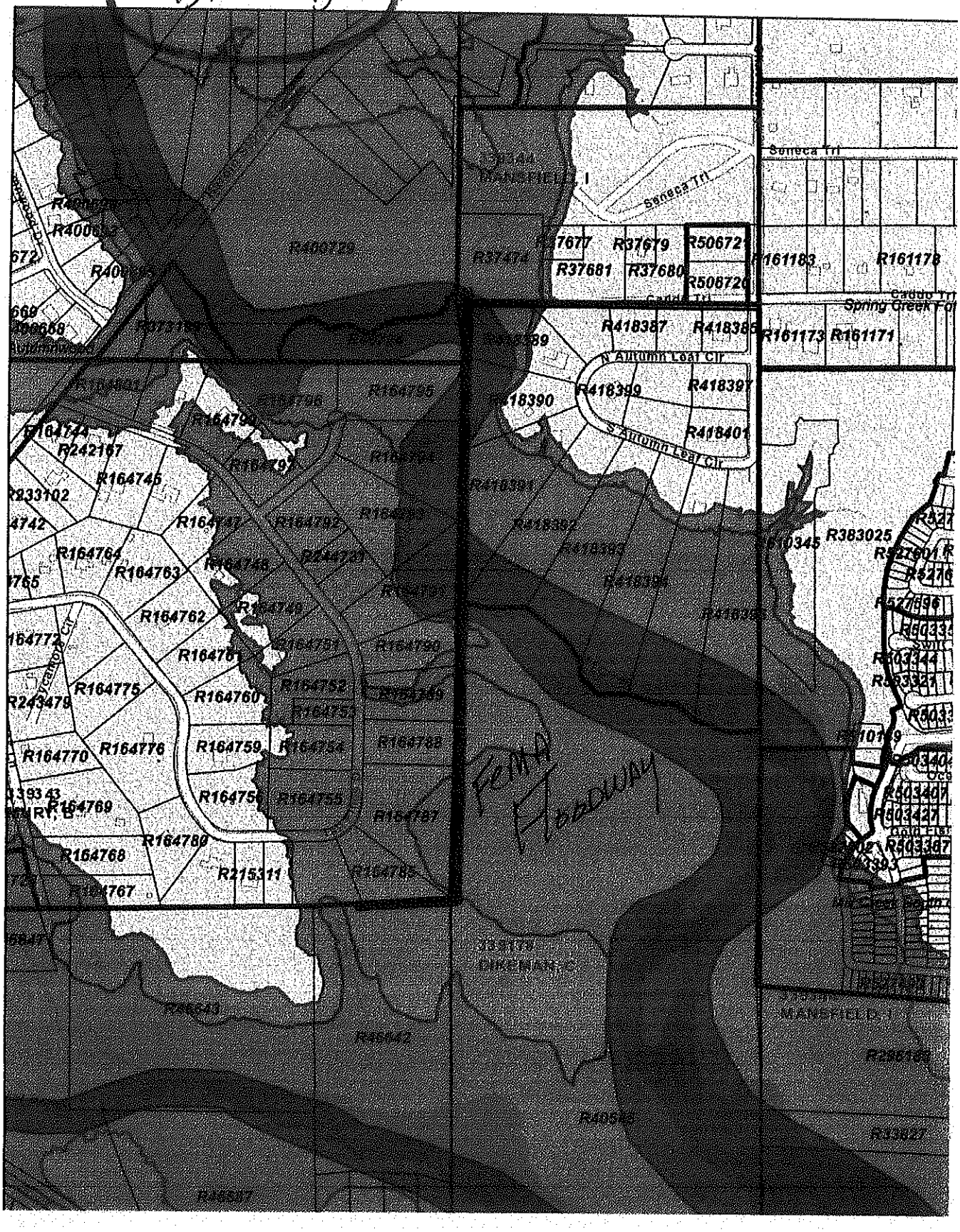
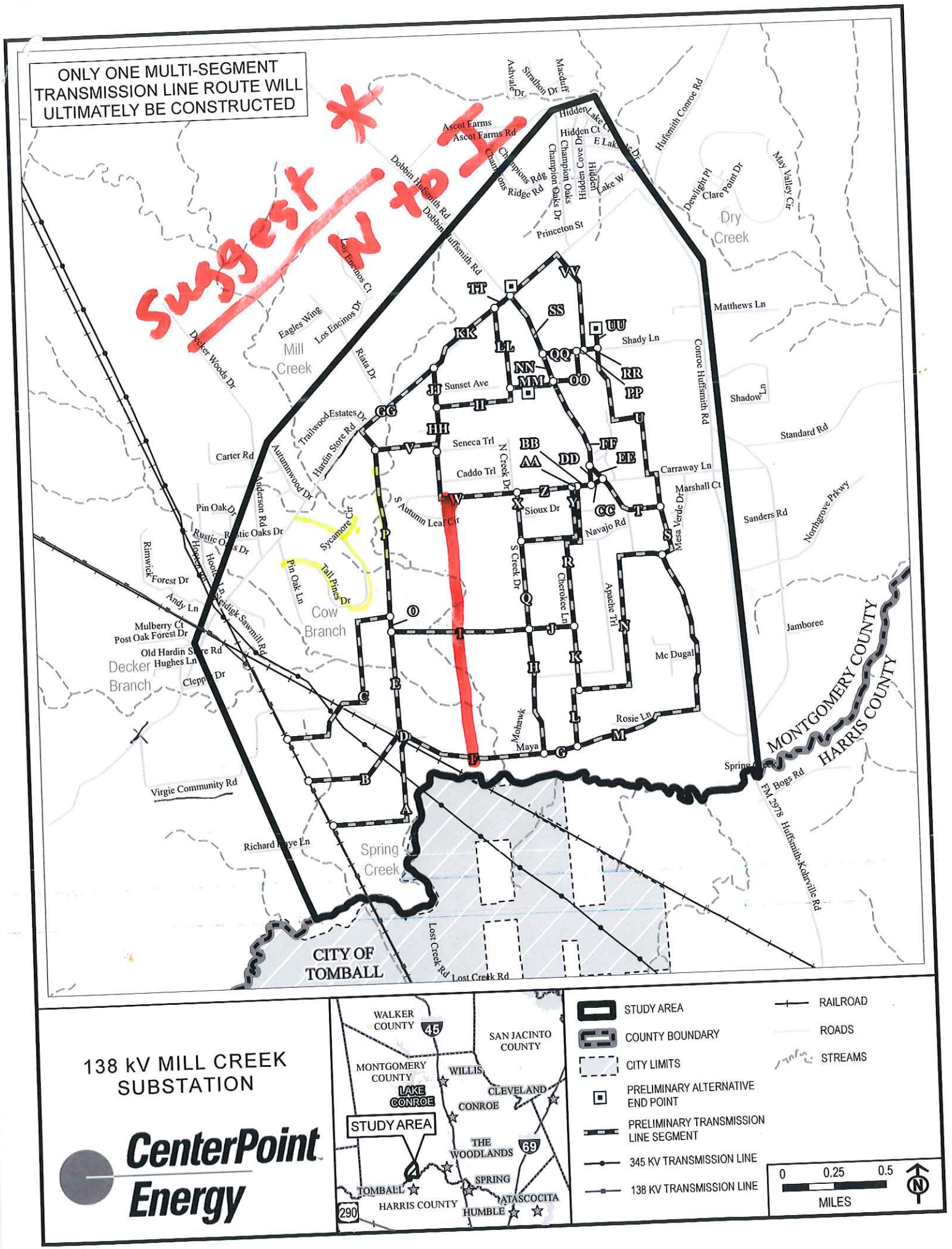


Exhibit "D"

Montgomery CAD Web Map




ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
Suggest * N to F
Ascot Farms
Ascot Farms Rd
Dobbin Huffsmith Rd
Champions Ridge Rd
Champion Oaks Dr
Champion Oaks Ct
Hidden Cove Dr
Hidden Lake W
Princeton St
Ashvale Dr
Stratholm Dr
Macduff
Hidden Lake Ct
Hidden Ct
E Lake Dr
Huffsmith Conroe Rd
Dewlight Pl
Clare Point Dr
May Valley Cir
Dry Creek
Matthews Ln
Shady Ln
Conroe Huffsmith Rd
Shadow Ln
Standard Rd
Carraway Ln
Marshall Ct
Sanders Rd
Northgrove Pkwy
Mesa Verde Dr
Navajo Rd
Sioux Dr
Caddo Trl
Seneca Trl
N Creek Dr
Sunset Ave
Trailwood Estates Dr
Hardin Store Rd
Autumnwood Dr
Autumn Leaf Cir
Carter Rd
Pin Oak Dr
Rustic Oaks Dr
Anderson Rd
Sycamore Cir
Pin Oak Ln
Tall Pines Dr
Cow Branch
Rimwick Forest Dr
Andy Ln
Mulberry Ct
Post Oak Forest Dr
Old Hardin Store Rd
Hughes Ln
Clepper Dr
Decker Branch
Heidigk Sawmill Rd
Decker Woods Dr
Eagles Wing
Mill Creek
Los Encinos Ct
Los Encinos Dr
Riata Dr
S Creek Dr
Cherokee Ln
Apache Trl
Mc Dugal
Rosie Ln
Mohawk
Maya
Jamboree
MONTGOMERY COUNTY
HARRIS COUNTY
Spring Creek
Bogs Rd
FM 2978
Huffsmith-Kohrville Rd
Virgie Community Rd
Richard Kaye Ln
Spring Creek
Lost Creek Rd
Lost Creek
CITY OF TOMBALL
TT
VV
SS
UU
KK
LL
QQ
NN
MM
OO
RR
PP
JJ
II
GG
HH
V
U
BB
FF
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M
D
G
F
B
A
WALKER COUNTY
45
SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
LAKE CONROE
CLEVELAND
CONROE
STUDY AREA
THE WOODLANDS
69
SPRING
TOMBALL
ATASCOCITA
HARRIS COUNTY
HUMBLE
290
138 kV MILL CREEK SUBSTATION
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STUDY AREA
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PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0
0.25
0.5
MILES
N

Exhibit 1

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: Tall Pines homeowners believe there are better routes for the proposed transmission line other than segment P.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	N/A	Schools
3	Floodplains or wetlands	N/A	Churches
N/A	Recreational or park areas	N/A	Cemeteries
2	Residential areas or subdivisions	N/A	Historic Sites
N/A	Commercial areas	4	Wildlife
		1	Other (please specify) Aerial devaluation plus property devaluations will impact homeowners 40% or more in monetary loss in appraised values, lower appraised values affect all homeowners.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

A currently available 345 kV transmission line in Harris County is accurately positioned to better service the Mill Creek Substation project, providing less monetary impact to Tall Pines homeowners. Tapping into the 345 kV transmission line will also lessen construction expenses overall.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Public Meeting constraints map inaccurately offered no key descriptions of the two studies (cited) in detail, or options (cited) to supply power. Confusing lack of attention to needed general public detail to allow for proper interpretation. Very difficult to read or interpret.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Proposed segment P (1) Property devaluation* (2) aerial devaluation* (3) Proposed segment P impacts FEMA Zoned 500yr. floodplain homesites, FEMA Zoned 100yr. floodplain homesites & FEMA Zoned AE floodplain homesites - which previously flooded in, 2015, 2016 & 2017.

*40% (or higher) appraised value loss

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Prefer NO transmission lines.
See #7 above

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) P Segment P

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) P Segment P

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) (1) current proposed Segment P is measured to be a mere 50' from lot lines of Tall Pines Subdivision homes.
(2) EMF - exposure research highly suggests no less than 300 ft. with the understanding 700 ft is better.
(3) FEMA floodway encroachment

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: No overall presentation. Could not hear any presenter. Sheer Chaos!

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project? Notice says it's temp. down.
Yes ✓ No ____ → It is Not Working.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name John & Pam Caplinger

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)
location of alternate studies in Harris County utilizing existing 345 KV transmission line

I prefer to be contacted by: (choose all that apply)

(2) ☑ U.S. Mail Address 618 Tall Pines Dr.
City Magnolia State TX Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

(1) ☑ Email Address pamelacaplinger@gmail.com

13. Additional comments (please specify): Proposed Segment P appears to greatly improve Center Point's bottom line construction costs instead of doing what is best for the homeowner & community.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice __X__ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes _____ No __X__ If no, please explain: Infrastructure should have been planned coinciding with permitting and development rather than after the fact.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

8	Agricultural land	6	Schools
4	Floodplains or wetlands	9	Churches
5	Recreational or park areas	11	Cemeteries
2	Residential areas or subdivisions	7	Historic Sites
10	Commercial areas	3	Wildlife
		1	Other (please specify) Proximity to property

current plans show it 55 feet from my property line which would also be around 120 feet from my home

I have rescue animals that this could adversely affect at my home and my back fence is 55 feet from proposed line

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	2	Electrical lines
4	Telephone lines	1	Railroads
5	Property lines	6	Natural features (e.g. waterways)
7	Cultural features (e.g. fence lines)	_____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes __X__ No _____

If yes, please list them below and briefly explain why they are important to you.

Chosen route should minimize destruction of wildlife habitat and environmental impact. Also concerned for property values, effect of EMF on animals and humans, the degradation of property values.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No X

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No X

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Concern for proposed Line P passing within 120ft of my home. Associated concerns include EMF, damage to property value, noise pollution, and environmental damage. Also concerned for the associated damage to area wildlife with an already shrinking habitat due to development.

Access to the area could be a problem with multiple creeks and waterways running through the area (including one running through my property).

8. Do you have a preference on the type of transmission structures being proposed?

Yes X No _____

If so, please explain the type of transmission structures you prefer and why?

Minimal impact to environment, wildlife, and line of sight.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

X A preliminary transmission line segment is near my home.
Applicable Segment(s) Line P

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No N/A If no, please explain: _____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes x No _____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name Randall(Randy Cosby)

☐ Do Not Contact Me ☒Contact me regarding the following question (please specify)

Will an EMF audit be completed should the proposed line be built within 120ft of my home?

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address 602 Tall Pines Dr

City Magnolia State TX Zip 77354

☐ Telephone (home) _____(work) _____(cell) _____

☒ Email Address randy_cosby@hotmail.com

13. Additional comments (please specify): _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: Tall Pines Subdivision Homeowners believe there better Routes for the proposed transmission line other than Segment 'P'.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	N/A	Schools
3	Floodplains or wetlands	N/A	Churches
N/A	Recreational or park areas	N/A	Cemeteries
2	Residential areas or subdivisions	N/A	Historic Sites
N/A	Commercial areas	4	Wildlife
		1	Other (please specify) Aerial devaluation(s) plus property devaluations will impact homeowners 40% or higher in monetary loss in appraised values. Lower appraised values affect all homeowners.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

A currently available 345kV transmission line in Harris County is accurately positioned to better service the Mill Creek Substation Project, providing less monetary impact to Tall Pines Subdivision homeowners. Tapping into the 345kV transmission line will also lessen (over) construction expenses overall.

Exhibit A

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Exhibit "B"

Public Meeting Constraints Map inaccurately offered no key descriptions of the two (2) studies cited in detail, or options cited to supply power. Confusing lack of attention to needed general public detail to allow for proper interpretation. Very difficult to read! Much less interpret.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern. Proposed Segment 'P'

1. Property Devaluation* 2. Aerial Devaluation* 3. Proposed Segment 'P' impacts FEMA Zoned Wasteland/Floodway Tract in addition to FEMA Zoned 500 year Floodplain homesites, FEMA Zoned 100 year Floodplain homesites & FEMA Zoned AE Floodplain homesites — which previously flooded in 2015, 2016 & 2017. * 40% or Higher Appraised Value loss

Exhibits 'C' & 'D'

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Prefer 'No' transmission lines. See #7 Above.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) P Segment 'P'

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) P Segment 'P'

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) Current proposed Segment 'P' is measured to be a mere 50' feet from hot lines, of Tall Pines Subdivision homesites.

(2) EMF (Electric & Magnetic Fields) exposure Research highly suggests no less than 300 feet with the understanding 700 is better.

(3) FEMA Floodway Encroachment.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No ✓ If no, please explain: No functionable overall presentation verbally to public as a whole, shotgun exhibit approach, no organization/guidance, loud & confusing.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No ✓ No functionable website - before or after public meeting.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Susan Gilbert & Keith Gilbert

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)
Location of alternate study(s) in Harris County utilizing existing 345kV transmission line.

I prefer to be contacted by: (choose all that apply)
☑ U.S. Mail Address 510 Tall Pines Drive
City Magnolia State TX Zip 77354
☐ Telephone (home) _____ (work) _____ (cell) _____
☑ Email Address susan4444@sbcglobal.net

13. Additional comments (please specify): Proposed Segment 'P' appears to greatly improve CenterPoint's 'bottom line' construction costs in violating the company's own Mission Statement - Integrity verbage — of doing what's Right for Communities.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

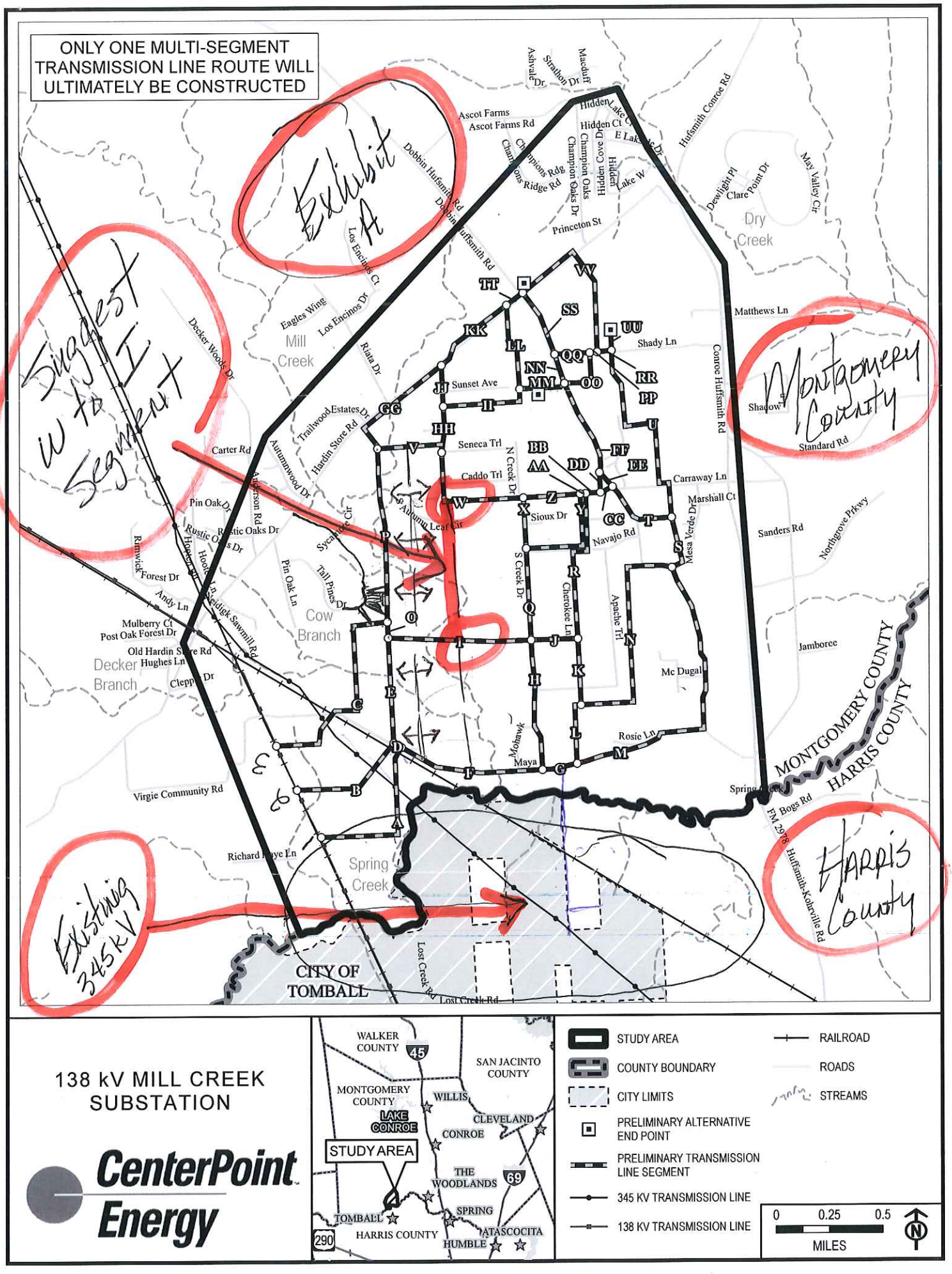
Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Suggested: Additional segment connecting Segment 'W' to Segment 'I' impacts zero homesites

Rec'd 12/19/2022

Communications in writing only


ONLY ONE MULTI-SEGMENT TRANSMISSION LINE ROUTE WILL ULTIMATELY BE CONSTRUCTED
Exhibit A
Suggest W to E Segment
Montgomery County
Harris County
Existing 345kV
Mill Creek
Dry Creek
Cow Branch
Decker Branch
Spring Creek
CITY OF TOMBALL
MONTGOMERY COUNTY
HARRIS COUNTY
Ascot Farms Rd
Dobbin Huffsmith Rd
Eagles Wing
Los Encinos Dr
Decker Woods Dr
Riata Dr
Sunset Ave
Trailwood Estates Dr
Hardin Store Rd
Carter Rd
Autumnwood Dr
Seneca Trl
Caddo Trl
N Creek Dr
Sioux Dr
Navajo Rd
Carraway Ln
Marshall Ct
Mesa Verde Dr
Sanders Rd
Northgrove Pkwy
Shadow
Standard Rd
Matthews Ln
Shady Ln
Conroe Huffsmith Rd
Huffsmith Conroe Rd
Princeton St
Champion Oaks Dr
Champions Ridge Rd
Champions Rdg
Hidden Lake W
Hidden Ct
Dewlight Pl
Clare Point Dr
May Valley Cir
Pin Oak Dr
Rustic Oaks Dr
Anderson Rd
Rimwick Forest Dr
Andy Ln
Mulberry Ct
Post Oak Forest Dr
Old Hardin Store Rd
Clepper Dr
Pin Oak Ln
Tall Pines Dr
Sycamore Cir
S Autumn Leaf Cir
S Creek Dr
Cherokee Ln
Apache Trl
Mohawk
Maya
Rosie Ln
Mc Dugal
Jamboree
Virgie Community Rd
Richard Faye Ln
Lost Creek Rd
FM 2978
Huffsmith-Kohrville Rd
Bogs Rd
Spring Cypress
TT
VV
SS
UU
KK
LL
QQ
NN
MM
OO
RR
PP
JJ
II
GG
HH
V
W
X
Z
Y
BB
AA
DD
EE
FF
CC
T
U
P
O
R
Q
J
N
S
I
H
K
L
M
E
C
D
F
G
B
A
69
45
290
STUDY AREA
WALKER COUNTY
SAN JACINTO COUNTY
MONTGOMERY COUNTY
WILLIS
LAKE CONROE
CLEVELAND
CONROE
THE WOODLANDS
SPRING
TOMBALL
HARRIS COUNTY
ATASCOCITA
HUMBLE
138 kV MILL CREEK SUBSTATION
CenterPoint Energy
STUDY AREA
COUNTY BOUNDARY
CITY LIMITS
PRELIMINARY ALTERNATIVE END POINT
PRELIMINARY TRANSMISSION LINE SEGMENT
345 KV TRANSMISSION LINE
138 KV TRANSMISSION LINE
RAILROAD
ROADS
STREAMS
0 0.25 0.5
MILES
N

Project Need
Mill Creek Distribution Substation

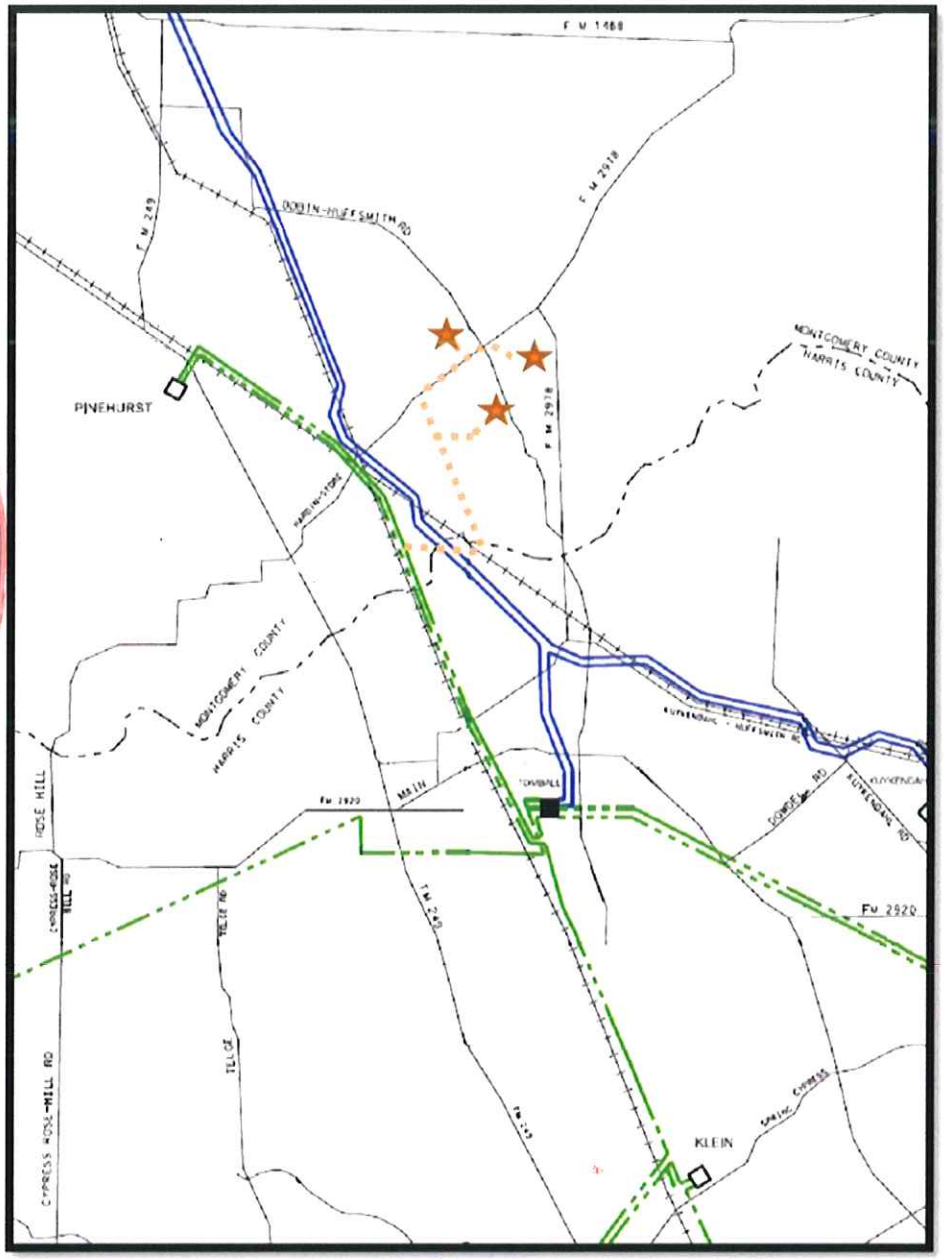


Exhibit 1B

No Detail

- CenterPoint Energy studied 2 different transmission options to supply power to the 138/35 kV Mill Creek Substation.
- CenterPoint Energy concluded that Mill Creek substation will be a 138/35 kV distribution substation with 2-100 MVA transformers, 4-35 kV feeders, configured as a 138 kV loop substation to serve the forecasted 2025 load.
- Mill Creek substation will be looped on 138 kV Pinehurst to Tomball Ckt. 81 with an approximately 3-6 mi double circuit line.
- The project will improve the reliability and load serving capabilities of the region.

CenterPoint Energy

Tall Pines Subdivision - Directly Affected Homeowners:

R164785 - Onchen - 500 Year Flood Zone.

R164787 - Gilberts - 500 Year Flood Zone, AE Floodplain.

R164788 - McBee - 500 Year Flood Zone.

R164789 - Cosby - 500 Year, AE Floodplain, 100 Year Floodplain, 100 Year Wasteland/Floodway.

R164790 - Sheers - 500 Year, 100 Year Floodplain.

R164791 - Caplinger - 500 Year, AE Floodplain, 100 Year Wasteland/Floodway.

R164793 - Cabral - 500 Year, 100 Year Floodplain.

R164794, R164795, R46724 - Zimmmerman - 500 Year Year, AE Floodplain, 100 Year Floodplain, 100 Year Wasteland/Floodway.

R510345 is owned by Harris/Montgomery County Management District. 500 Year Flood, AE Floodplain, 100 Year Floodplain and 100 Year Wasteland/Floodway.

Mill Creek South Development has built a mountainous berm on top of a natural Wasteland/Floodway. Mountainous berm approximately 40 feet high. Forcing all Mill Creek natural water flow, from a natural creek, towards the Tall Pines Subdivision. Ultimately changing water flow direction of a natural creek.

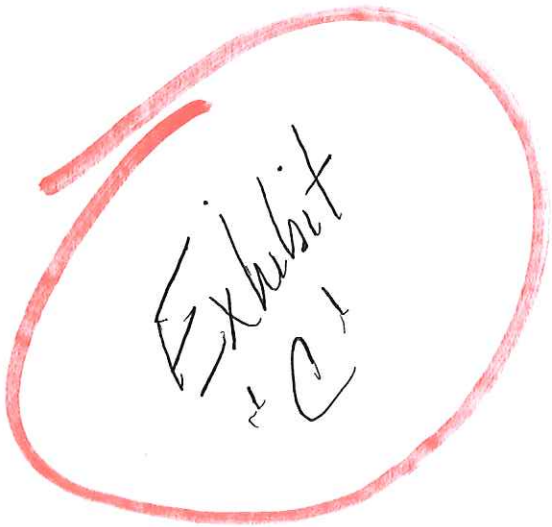
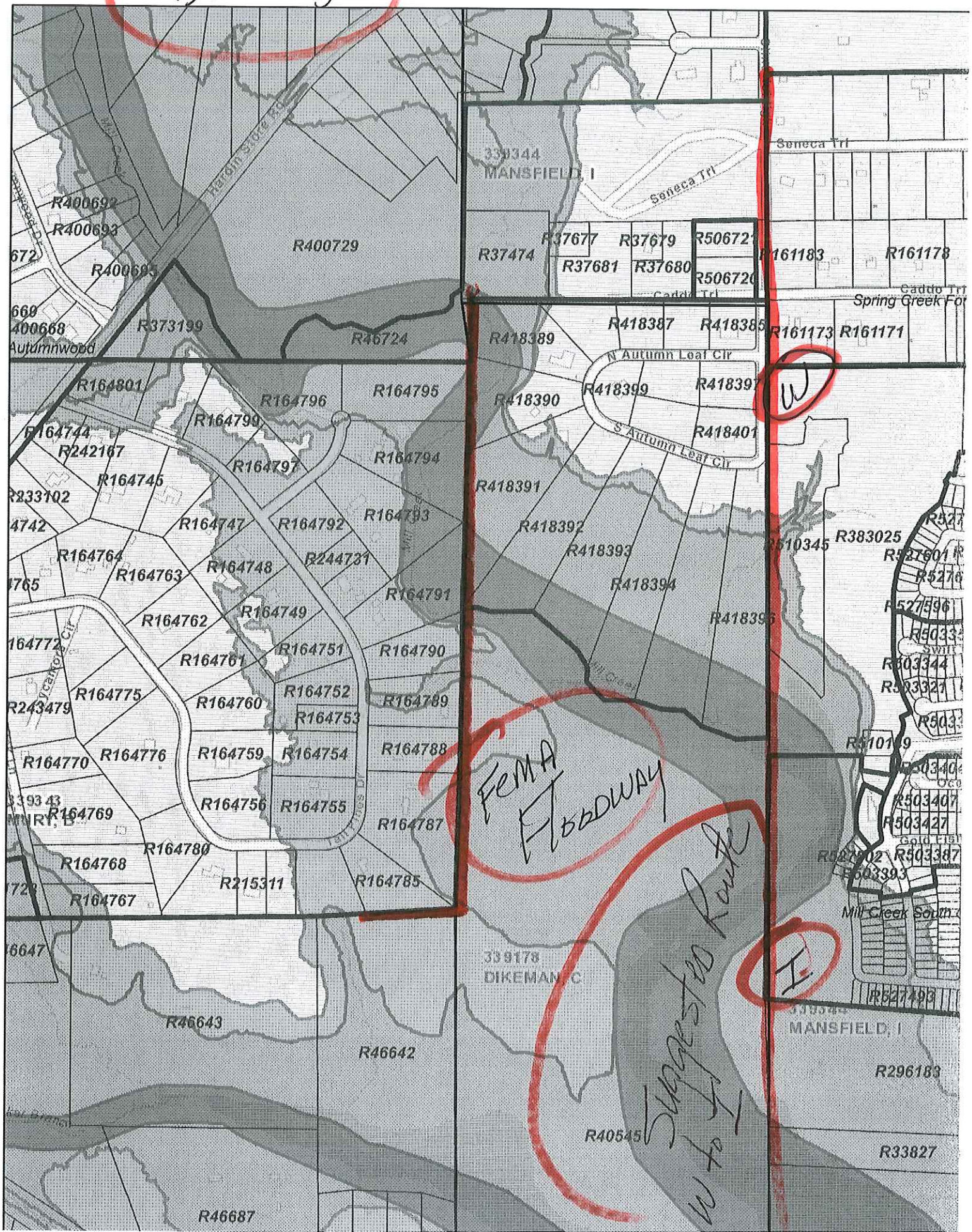


Exhibit 'D'

Montgomery CAD Web Map



138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

3	Agricultural land	5	Schools
10	Floodplains or wetlands	6	Churches
4	Recreational or park areas	7	Cemeteries
1	Residential areas or subdivisions	8	Historic Sites
2	Commercial areas	9	Wildlife
		11	Other (please specify) AIRPORTS

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

4	Roads/Highways	3	Electrical lines
7	Telephone lines	6	Railroads
1	Property lines	5	Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

APPEARANCE, PROPERTY VALUE, AND HEALTH CONCERNS FROM HIGH VOLTAGE LINES

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No _____

If so, please explain the type of transmission structures you prefer and why?

PREFER UNDERGROUND — NO POLES

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) R

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) R

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ✓ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes _____ No _____ → THE SITE IS NOT WORKING

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name FILBERT HEIN

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

WHY THE TRANSMISSION LINE CANNOT BE RUN FROM THE EXISTING LINE NW TO THE SUB STATIONS IT LOOKS SHORTER ROUTE, LESS COSTLY AND LESS TROUBLE OVERALL

I prefer to be contacted by: (choose all that apply)

☑ U.S. Mail Address 27011 CHEROKEE LN

City MAGNOLIA State TX Zip 77354

☑ Telephone (home) _____ (work) _____ (cell) 281-732-0304

☑ Email Address fheino@att.net

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Mr. & Mrs. Richard D. Huber
27814 Hardin Store Rd
Magnolia TX 77354

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	5	Schools
12	Floodplains or wetlands	6	Churches
10	Recreational or park areas	7	Cemeteries
1	Residential areas or subdivisions	11	Historic Sites
8	Commercial areas	3	Wildlife
			Other (please specify) These projects de Value OUR homes + properties. The figure substantially in people's retirement Assets. That can put a Big HIT ON what we've BUILT OVER OUR LIFETIME

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	4	Electrical lines
5	Telephone lines	7	Railroads
1	Property lines	6	Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)		Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ____ No ____

If yes, please list them below and briefly explain why they are important to you.

Please don't ignore the impact on our property Values.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

PRIVACY PROVIDED BY TREES / WOODED AREAS AROUND RESIDENCES IS VERY IMPORTANT TO HOME OWNERS. THAT'S WHY WE BOUGHT WHERE WE DID.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

SMALLEST (FOOTPRINT ESPECIALLY) SO AS NOT TO IMPACT OUR PERSONAL PROPERTIES.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) ____

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

____ Other (please specify) ____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes _____ Not yet

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name _____

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)

UPDATES

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☐ Telephone (home) _____ (work) _____ (cell) _____

☒ Email Address vhubermlt@gmail.com

13. Additional comments (please specify): _____

_____

_____

_____

_____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

3	Agricultural land	5	Schools
9	Floodplains or wetlands	6	Churches
4	Recreational or park areas	8	Cemeteries
1	Residential areas or subdivisions	7	Historic Sites
10	Commercial areas	2	Wildlife
			Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

2	Roads/Highways	3	Electrical lines
5	Telephone lines	1	Railroads
7	Property lines	4	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)		Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Health concerns from what is emitting from the towers

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

We weren't able to attend but spoke with a person that did and the package that we were given she said that it wasn't shown in it and she did not remember seeing it at the meeting. So where in the document does it list it and it should have everything that was discussed at the meeting.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Yes we are right on N creek Dr. W X Z is along our road and will be a dis value to our property and a negative effect on our health.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Pick a area less populated not our family neighbor hood put out in industrial area or a long the rail roads

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) Z

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

____ Other (please specify) ____

It will be right in front of our house or they may want our easement.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ____ If no, please explain: N/A
We were unable to attend due to being out of town for business trip.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ✓

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Gregory Kuntz

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☑ U.S. Mail Address 27403 N. Creek Dr
City Magnolia State TX Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address _____

13. Additional comments (please specify): _____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

12/20/22 SM

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ___ No ✓ If no, please explain: CenterPoint + developers building new neighborhoods before infrastructure in place. This should be done first. Tall pines subdivision homeowners believe there are better routes than segment P.

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

5	Agricultural land	7	Schools
3	Floodplains or wetlands	___	Churches
6	Recreational or park areas	___	Cemeteries
2	Residential areas or subdivisions	___	Historic Sites
___	Commercial areas	4	Wildlife
		1	Other (please specify) Property value loss + acid deposition will impact homeowners significantly.

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
___	Property lines	7	Natural features (e.g. waterways)
___	Cultural features (e.g. fence lines)	5	Other (please specify) Commercial developments

Should not follow property lines

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

* Consider 345kV transmission line in Harris county
* Open study up to South of Montgomery County for alternative routes
* Immediate neighbor's house is dangerously close to proposed P. His house is about 75 ft from fence line. Consider pushing P further east if possible.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ____ No ____ Unknown - map not well detailed or to scale.

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Map does NOT include scale (ie measurement away from my property line) or location of houses on plots. As mentioned above immediate neighbor house looks to be ~ 100 ft from Segment P.

(607 Tall Pines Dr. Magnolia, TX 77354)

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Segment P. Dangerously close to houses, property lines. Also located in flood plain + creek that is imperative to keep proper flow. Segment P exposes homeowners to unnecessary EMF + increases flood risk substantially.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____ None

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) P

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: Disorganized meeting.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ___ Website NOT Working!

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.
Name Stephanie McBee

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)

by mail + email

I prefer to be contacted by: (choose all that apply)

☒ U.S. Mail Address 522 Tall Pines Dr.

City Magnolia State TX Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

☐ Email Address boydsteph12@gmail.com

13. Additional comments (please specify):
We have young children in our house. Segment P will expose them to dangerously high EMF over their lifetime. Please consider alternative route. Also concerned of property value loss.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

_____ Newspaper Notice _X_ Invitation Letter _____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No _____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

_____ Agricultural land
_____ Floodplains or wetlands
_____ Recreational or park areas
__1__ Residential areas or subdivisions
_____ Commercial areas
_____ Schools
_____ Churches
_____ Cemeteries
_____ Historic Sites
_____ Wildlife
_____ Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

_____ Roads/Highways
_____ Telephone lines
__1__ Property lines
_____ Cultural features (e.g. fence lines)
_____ Electrical lines
_____ Railroads
_____ Natural features (e.g. waterways)
_____ Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes _____ No _____

If yes, please list them below and briefly explain why they are important to you.

Every one of the yellow lines impacts my property. I have no way out. Please don't go over our homes. Use GFDA You can decide to go away from my homes. We don't get to opt out of this project.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

C & E are over our homes. Property values YES but more importantly our well being.

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No _____

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

_____ A preliminary transmission line segment is near my home.
Applicable Segment(s) All of them C & E

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) All of them cross my land

_____ None of the above

_____ Other (please specify) _____

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes _____ No _____ If no, please explain: _____

_____

_____

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes X No _____

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.

Name Dale & Dianne Neidigk

☐ Do Not Contact Me ☐ Contact me regarding the following question (please specify)

_____

_____

_____

_____

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☒ Telephone (home) _____ (work) _____ (cell) 2816675060

☐ Email Address _____

13. Additional comments (please specify): _____

We already have pipelines and power lines we had no options to say no. Please do not use C E I P You have options. We don't!!! Those cross our homes.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

___	Agricultural land	2	Schools
10	Floodplains or wetlands	___	Churches
4	Recreational or park areas	___	Cemeteries
4	Residential areas or subdivisions	___	Historic Sites
2	Commercial areas	8	Wildlife
		___	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	___	Electrical lines
2	Telephone lines	___	Railroads
6	Property lines	7	Natural features (e.g. waterways)
4	Cultural features (e.g. fence lines)	___	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes X No ____

If yes, please list them below and briefly explain why they are important to you.

The Concern is the mill creek flooding problem that has already been increasing effecting dozens of Homes that have had several feet of water in them. By putting the Route just East of the Toll Pines Subdivision it's going to destroy Homes & property values by as much as 50%.

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ____ No ✓

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) ____

____ A preliminary transmission line segment is near my business.
Applicable Segment(s) ____

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) All of the Tall Pine Subdivision will be impacted if you Run the Route in the already stressed wetlands just East and along Hardin Store Road near Our Subdivision.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: Do not have enough information about all of the options.

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes X No ____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.
Name Jim Oates

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address 817 Tall Pines DR & 910 Tall Pines (Duplex)
City Magnolia State TX Zip 77354

☐ Telephone (home) ____ (work) ____ (cell) 713 299 3305

☒ Email Address JimOates@Inspections.Net

13. Additional comments (please specify): ____

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ____ No ✓ If no, please explain: Tall Pines subdivision homeowners strongly believe there are better routes for the proposed transmission line other than Segment "P."

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	N/A	Schools
3	Floodplains or wetlands	N/A	Churches
N/A	Recreational or park areas	N/A	Cemeteries
2	Residential areas or subdivisions	N/A	Historic Sites
N/A	Commercial areas	4	Wildlife
		1	Other (please specify) Aerial devaluations and property devaluations will impact homeowners 40% or higher in property value loss. Lower appraised values will affect all property owners

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

3	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

A currently avail.ble 345 Ky Transmission line in Harris County is accurately positioned to better service the Mill Creek Substation project, providing less monetary impact to Tall Pines Subdivision homeowners. Tapping into the 345 Ky transmission line will also lessen construction (over) expenses overall.

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No _____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No _____

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Exhibit B

Public Meeting Constraints Map inaccurately offered no key descriptions of the two (2) studies (cited) in detail, or options (cited) to supply power. Confusing lack of attention to needed general public detail to allow for proper interpretation.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

Proposed Segment "P"
1.) Property Devaluation. 2.) Aerial Devaluation. 3.) Proposed Segment "P" impacts FEMA Zoned Wasteland/ Floodway tract in addition to Fema Zoned 500 year Floodplain homesites, Fema Zoned 100 year floodplain homesites + Fema Zoned AE Floodplain homesites - which previously flooded in 2015, 2016 + 2017. @ 40% or higher appraised value loss

Exhibits "C + D"

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why?

Prefer "No" Transmission lines". See #7 above

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) P Segment P

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) P Segment P

____ A preliminary transmission line segment is on my land
Applicable Segment(s) ____

____ None of the above

✓ Other (please specify) Current Segment "P" is measured to be a mere 50' feet from ~~feet~~ hot lines, of Tall Pines suddivision owners.

(2) EMF (Electric + Magnetic Fields) exposure research highly suggest no less than 300' feet with the understanding 700' feet is better.

(3) Fema Floodway Encroachment.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: No funtionable overall presentation verbally to public as a whole, shotgun exhibit approach, no organizational guidance; very confusing

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?
Yes ____ No ✓ No functionable website - before or at public meeting.

12. **Your name and contact information are optional**, unless you have a question that you would like for us to answer.
Name Shandy Oncken

☐ Do Not Contact Me ☒ Contact me regarding the following question (please specify)
~~Long~~ Location of alternate studies in Harris County utilizing existing 345 KV Transmission line.

I prefer to be contacted by: (choose all that apply)

☒ U.S. Mail Address 426 Tall Pines drive
City Magnolia State TX Zip 77354

☐ Telephone (home) _____ (work) _____ (cell) _____

☒ Email Address s_oncken@yahoo.com

Communications in writing only

13. Additional comments (please specify): Proposed Segment "P" appears to greatly improve Center Point bottom line construction cost invalidating the company's own Mission Statement - Integrity Verbage - of doing what's right for communities

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

2	Agricultural land	9	Schools
4	Floodplains or wetlands	8	Churches
3	Recreational or park areas	7	Cemeteries
5	Residential areas or subdivisions	6	Historic Sites
10	Commercial areas	1	Wildlife
			Other (please specify) + Native American Settlements + 200+ Year old Oak Species

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

1	Roads/Highways	3	Electrical lines
4	Telephone lines	2	Railroads
5	Property lines	7	Natural features (e.g. waterways)
6	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

As discussed at the public meeting hosted by "CenterPoint Energy" at length with Steve Fox, TRC Environmental, and Baker Botts Legal Reps (Andrea Stoner etc) + Wildlife / Environmental Reps these (3) proposed routes are unacceptable as they all three bisect one owners' property therefore are not geographically diverse proposals to be acceptable. They also do not cover a large enough survey area which needs to include Harris County on other side of Spring Creek from our property →

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes ✓ No ____

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes ✓ No ____ (*) We tried to follow up on the website as instructed to provide additional data but they are not functioning

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

Yes - 1) Ranch Boundaries & Environmentally Sensitive Areas.
2) Wild Life Management Boundaries
3) Already existing 80-100' wide Transmission Line bisecting our property - would discourage "criss-crossing" us & bisecting more!
4) Native American sites from before settlement
5) Our houses/barns/arenas/ hay pastures all prohibiting factors.

→ Routing Factors (Continued from p. 1)

There are several features on our working ranch that prohibit this transmission line including being part of 1) State Wildlife and Deer Management program; 2) location of Native American Settlements prior to European Settlement, 3) Endangered species of birds (woodpecker Red Cockaded) 4) 200+ year old oak species that would be obliterated by route 5) Affecting livestock habitat

The Harris County Spring Creek Greenway project already is planning to cross our land bisecting the property on south side.

We have spent 25 years accumulating this land to re-structure from 1801's homestead and we are 6th generation descendants here trying to preserve the history, foliage, trees, wild life and environment here and it is not right to propose all of the routes through our one-owner property with not even an alternative going through existing routes for power from existing infrastructure / Power Stations / options. Do not target us as the "easiest" + cheapest route when others are viable.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

A, B, & C ALL CROSS PART OF OUR RANCH
THERE AREN'T ANY OPTIONS THAT AVOID US.
SEE ATTACHED PLAT.
This are not geographically diverse options.
The survey area needs to be enlarged to include
Harris County on other side of Spring Creek and further East.

8. Do you have a preference on the type of transmission structures being proposed?

Yes ✓ No ____

If so, please explain the type of transmission structures you prefer and why? Underground Preferred
SINGLE POLE WOULD BE PREFERRED FOR ABOVE
GROUND; HOWEVER BURYING THE LINE
SHOULD BE A VIABLE OPTION AS WELL,
SINCE WE ALREADY HAVE AN 80'+ TRANSMISSION
LINE AND TWO GAS PIPELINES CROSSING PROPERTY.

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) A B C

✓ A preliminary transmission line segment is near my business.
Applicable Segment(s) A B C

✓ A preliminary transmission line segment is on my land
Applicable Segment(s) A B C

____ None of the above

____ Other (please specify) _____

SEE ATTACHED PLAT SHOWING PROPOSED
ROUTES AND OUR RANCH BOUNDARY

* ALSO SEE ATTACHED PLAT ORIGINALLY
PREPARED FOR DISCUSSION OF HARRIS COUNTY'S
SPRING CREEK GREENWAY. I'VE ADDED AN
ALTERNATE ROUTE THAT IS PRIMARILY ON HARRIS
COUNTY FLOOD CONTROL DISTRICT LAND, MINIMIZES
OUR RANCH AND AVOIDS THE NEIGHBORING NEIDICK
RANCH.

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: _____

the website was unaccessible prior to the meeting & after even tho referred to it. Environmental Exhibit did not include Native American ? Settlements

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project? or IS IT MILLCREEKESUBSTATION

Yes ____ No ✓ BECAUSE IT DOESN'T WORK (NEITHER ONE)

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name FRANK & KAREN HICKS

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

1. WHY DON'T YOU JUST FOLLOW HARDIN STORE ROAD

2. HOW WILL YOU CROSS THE EXISTING 345 KV TRANSMISSION LINE — OVER OR UNDER

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address _____

City _____ State _____ Zip _____

☑ Telephone (home) _____ (work) _____ (cell) 713 539 0107

☑ Email Address frankmarkhicks@gmail.com and kkwhicks@gmail.com ~~713 539 0107~~ 713-545-3099

13. Additional comments (please specify): _____

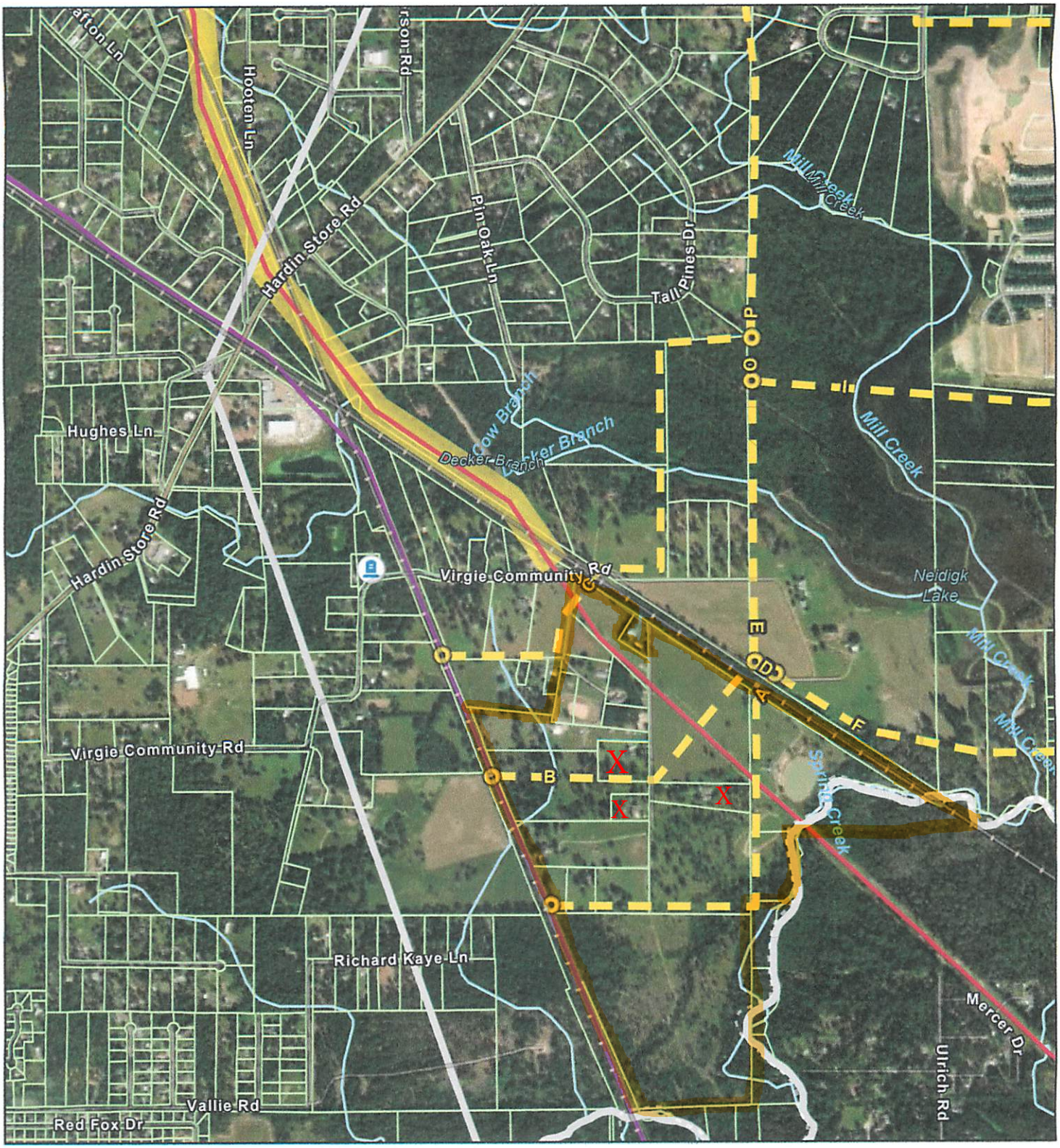
We would like to be contacted as to dates for further public hearings and any imminent decisions regarting routing in particular so we are not told later decisions have been made without ours & other residents full input.

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

Centerpoint Mill Creek



12/15/2022, 6:46:28 PM

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

- Public Meeting Comments
- PRELIMINARY ALTERNATIVE SEGMENT END POINT

STRUCTURE TYPE

- CEMETERY
- PRELIMINARY TRANSMISSION LINE SEGMENT
- STUDY AREA

EXISTING TRANSMISSION LINE

- 345 kV TRANSMISSION LINE
- 138 kV TRANSMISSION LINE
- RAILROAD
- RAILROAD A.C. MITIGATION
- MONTGOMERY COUNTY LAND PARCELS
- STREAM
- COUNTY BOUNDARY

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

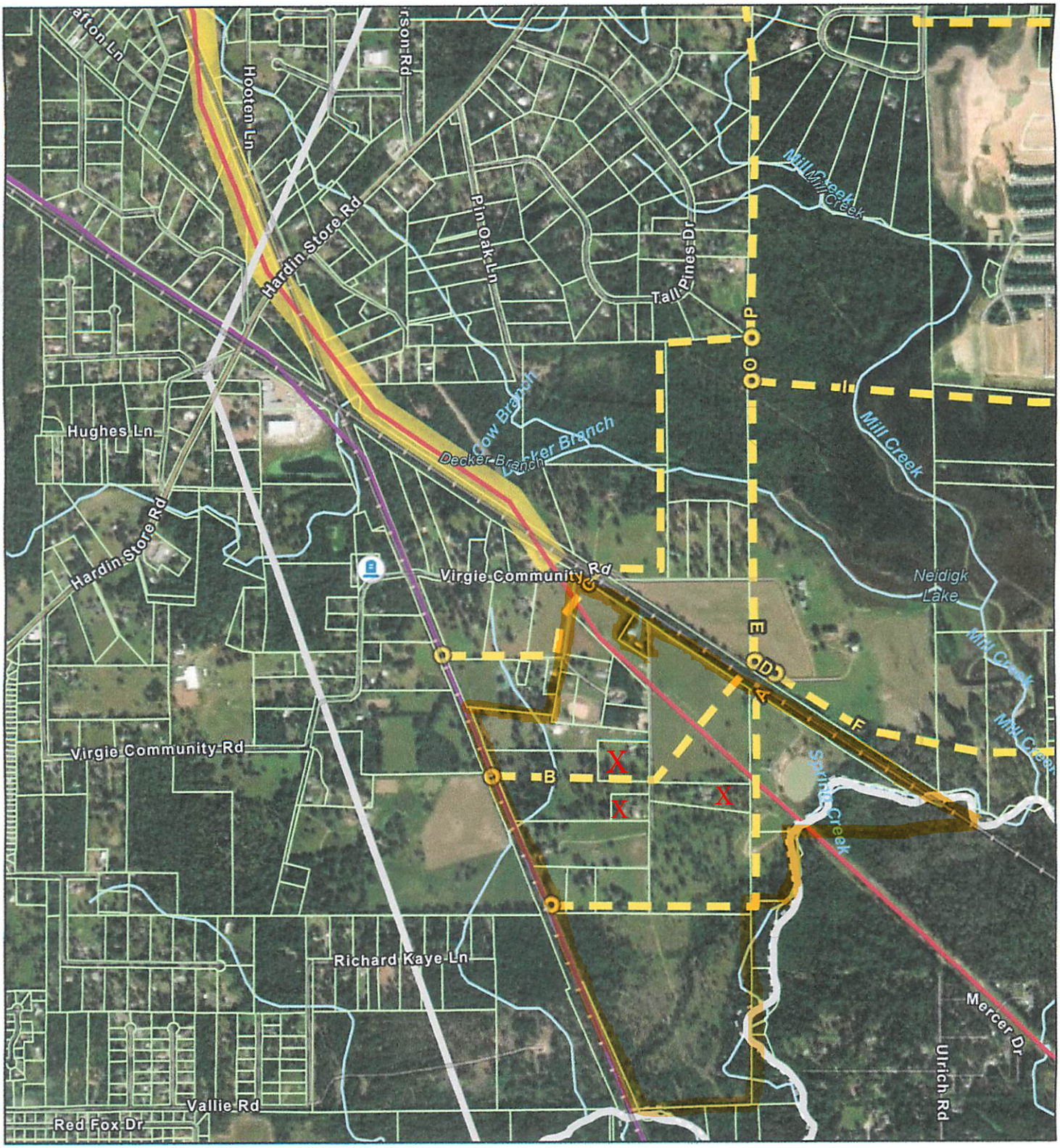
Centerpoint - TRC

Centerpoint - TRC (c) 2022

Hunt Map
Layers

NATHANSON, GARY C
BERRIOS, FRANCISCO E & SANDY R
(Private)
FKH LIVING TRUST
Neidigk Lake
Neidigk Lake Dam
BACHMEYER, DENNIS
BACHMEYER, DENNIS
HUTSON, RODNEY
WAMPLER, NORMA B
MOORE, ROBERT & THOMAS MOORE
DRAKE, J ANDREW & JEANNE
HICKS, FRANK M & KAREN
DECKER PRAIRIE PROPERTIES LLC
HICKS FRANK
VU THOMAS V
HARRIS COUNTY FLOOD CONTROL DISTRICT
HARRIS COUNTY FLOOD CONTROL DISTRICT
SCHMIDT ALLEN
ALFARO, CLAUDIA M
DECKER PRAIRIE PROPERTIES, LLC
WALKER, MICHEL G
DICAMILLO DAVID J & CHRISTINE
CENTERPOINT ENERGY HOU ELE
ARMAS, JOSE S & ROSIO
Tomball Gun Club
CADWALDER ROGER
MATTHEWS RICHARD C & JUDY V
GRIFFIN ALAN
RYAN KENNETH & STEPHANIE S
ARTERBURY JOSHUA & KATHRYN
MONTGOMERY COUNTY
Lost Cr Rd
Helen Ln
LS DEVELOPMENT LLC
OLIVO SAMUEL JR & OLGA A
CADWALDER ANSTRAND FAMILY
CITY OF TOMBALL

Centerpoint Mill Creek



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- STUDY AREA

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CITY OF TOMBALL

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ✓ If no, please explain: need more details

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	6	Schools
2	Floodplains or wetlands	9	Churches
7	Recreational or park areas	10	Cemeteries
1	Residential areas or subdivisions	8	Historic Sites
11	Commercial areas	3	Wildlife
			Other (please specify) Very Concerned for our health risk and safety

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

5	Roads/Highways	4	Electrical lines
6	Telephone lines	7	Railroads
1	Property lines	3	Natural features (e.g. waterways)
2	Cultural features (e.g. fence lines)		Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Health Risk
Safety
Wild life
Flooding
Property Values

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

proposed lines ON S Creek Dr would be a problem and cause many issues for us

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No ✓

If so, please explain the type of transmission structures you prefer and why?

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓ A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

✓ Other (please specify) It would destroy Wildlife and disturb our well being

(over)

10. Did the information provided and exhibits displayed at the public meeting meet your needs?
Yes ____ No ✓ If no, please explain: Only preliminary

11. Have you visited the 138 kV Mill Creek Substation Project website (www.centerpointenergy.com/millcreeksubstation) to view information about the project?

Yes ✓ No ____

12. **Your name and contact information are optional,** unless you have a question that you would like for us to answer.

Name Sherry Sykes

☐ Do Not Contact Me ☑ Contact me regarding the following question (please specify)

More details and information please

I prefer to be contacted by: (choose all that apply)

☐ U.S. Mail Address ____

City ____ State ____ Zip ____

☐ Telephone (home) ____ (work) ____ (cell) ____

☑ Email Address sherrysykes@sbcglobal.net

13. Additional comments (please specify): S Creek Dr Floods and this area would be dangerous and need to put somewhere else please

THANK YOU FOR COMPLETING THE QUESTIONNAIRE. WE APPRECIATE YOUR INPUT.

Please drop off your completed questionnaire at the registration table as you leave the public meeting. If you need to take it with you to complete later, please mail or email it within 5 days to:

Steve Fox, Mill Creek Substation CCN Project Manager
CenterPoint Energy
Policy & Compliance, CNP-T 14th Floor
P.O. Box 1700
Houston, TX 77251-1700
Phone: (713) 207-4985
Email: millcreeksubstation@centerpointenergy.com

138 kV MILL CREEK SUBSTATION PROJECT
PUBLIC MEETING QUESTIONNAIRE
December 15, 2022

1. How did you learn about this public meeting?

____ Newspaper Notice ✓ Invitation Letter ____ Other (please specify) _____

2. In your opinion, has the need for the project been adequately explained to you?

Yes ✓ No ____ If no, please explain: _____

3. Please rank from 1 to 11 the following land uses that you believe should be considered of greatest concern (avoided if possible) to least concern in routing the transmission line. Please use each number only once. (1 = greatest concern; 11 = least concern)

4	Agricultural land	____	Schools
2	Floodplains or wetlands	____	Churches
____	Recreational or park areas	____	Cemeteries
1	Residential areas or subdivisions	____	Historic Sites
____	Commercial areas	3	Wildlife
		____	Other (please specify) _____

4. Please rank from 1 to 7 the following linear features that you believe should be considered of greatest importance to least importance for the transmission line route to follow. Please use each number only once. (1 = most important; 7 = least important)

5	Roads/Highways	1	Electrical lines
4	Telephone lines	2	Railroads
6	Property lines	3	Natural features (e.g. waterways)
7	Cultural features (e.g. fence lines)	____	Other (please specify) _____

5. In your opinion, are there any other factors or features that should be considered in determining the routing of the proposed transmission line?

Yes ✓ No ____

If yes, please list them below and briefly explain why they are important to you.

Property Values

(over)

6. The following features are noted on the Constraints Map at the Routing/Environmental station:

- Churches, schools, nursing homes, hospitals, and cemeteries
- Commercial AM and FM radio transmitters, microwave relay stations, or other similar electronic installations
- Airports and landing strips
- Pastures or cropland irrigated by traveling irrigation systems
- Parks and recreational areas
- Historical and archaeological sites
- Environmentally sensitive areas
- Floodplain and floodway boundaries

Are any of these features incorrectly shown on the map or are you aware of any additional features that were not included?

Yes _____ No ✓

If yes, did you speak with a representative and indicate the corrections needed to the map?

Yes _____ No ✓

If you were not able to speak to a representative, please identify the approximate location of any missing or incorrectly located features on the Constraints Map by describing the feature and location below.

7. If you have a concern with a particular preliminary transmission line segment(s) shown on the exhibits, please indicate the segment letter and describe your concern.

_____

_____

_____

_____

_____

_____

8. Do you have a preference on the type of transmission structures being proposed?

Yes _____ No ✓_____

If so, please explain the type of transmission structures you prefer and why?

_____

_____

_____

_____

9. Which of the following applies to you? Please check all that apply and include the relevant segment(s) letters.

✓_____ A preliminary transmission line segment is near my home.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is near my business.
Applicable Segment(s) _____

_____ A preliminary transmission line segment is on my land
Applicable Segment(s) _____

_____ None of the above

_____ Other (please specify) _____

_____

_____

_____

_____

_____

_____

_____

_____

(over)

Appendix B

Environmental and Land Use Data for the Proposed Alternative Routes

Environmental and Land Use Data for the Proposed Alternative Routes

	MILL CREEK SUBSTATION	Routes																					
	Evaluation Criteria	**1-A**	**2-A**	**3-A**	**4-A**	**5-A**	**6-A**	**7-A**	**8-A**	**9-B**	**10-B**	**11-B**	**12-B**	**13-B**	**14-B**	**15-B**	**16-C**	**17-C**	**18-C**	**19-C**	**20-C**	**21-C**	**22-C**	**23-C**
	Route Segments	TT,LL,II,HH,V,P,C	TT,KK,GG,P,C	TT,KK,JJ,HH,V,P,C	TT,KK,GG,P,O,E,B	TT,KK,GG,P,O,E,D,A2,A1	TT,KK,GG,P,O,E,D,A2,WW	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	SS,NN,MM2,MM1,II,HH,V,P,C	MM1,II,HH,V,P,C	MM1,II,HH,V,P,O,E,B	MM1,II,HH,V,P,O,E,D,A2,A1	FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	FF,DD,BB,R2,R1,J,H,F2,XX,A1	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1	FF,EE,T,S,M,G,F2,XX,A1	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1	U,S,N,L,G,F2,XX,WW	U,S,M,G,F2,XX,WW	VV,TT,KK,GG,P,O,E,B
	Land Use																							
1	Length of route (feet)	17213	15734	16210	16104	17477	17794	20381	18058	14995	15418	16790	17899	17899	17582	20909	19483	17952	19958	19114	19958	21490	21701	20592
2	Length of route (miles)	3.26	2.98	3.07	3.05	3.31	3.37	3.86	3.42	2.84	2.92	3.18	3.39	3.39	3.33	3.96	3.69	3.40	3.78	3.62	3.78	4.07	4.11	3.90
3	Number of directly affected likely habitable structures [1] within 300 feet of route centerline	31	20	24	16	16	16	86	34	25	21	21	79	83	77	82	26	28	82	84	86	83	107	22
4	Number of directly affected likely habitable structures [1] also within 300 feet of an existing transmission line	1	1	1	0	2	2	0	1	1	0	2	0	0	0	0	2	0	0	0	0	0	0	0
5	Length of route using existing transmission line easement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Length of route parallel to existing transmission line ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Length of route not utilizing/paralleling existing transmission line ROW	17213	15734	16210	16104	17477	17794	20381	18058	14995	15418	16790	17899	17899	17582	20909	19483	17952	19958	19114	19958	21490	21701	20592
8	Length of new ROW required for route	17213	15734	16210	16104	17477	17794	20381	18058	14995	15418	16790	17899	17899	17582	20909	19483	17952	19958	19114	19958	21490	21701	20592
9	Length of route parallel to apparent property lines (or other natural or cultural features) [2]	15807	14199	14474	13479	16461	14822	16142	20265	14363	13645	16699	14231	14109	13675	16209	19279	16678	16786	15607	16703	15734	15522	17063
10	Length of route parallel to other existing ROW (roadways, railways, canals, etc.)	1599	4841	4519	4841	4841	4841	16242	3554	1093	1093	1093	13781	11400	7232	10123	2200	1451	14888	7122	12506	1068	6502	6680
11	Length of route not parallel to railroad ROW, apparent property lines, or other existing ROW (roadways, railways, canals, etc.)	1406	1536	1736	2625	1015	2972	4239	-2207	632	1772	91	3668	3790	3907	4700	204	1274	3172	3507	3255	5756	6178	3529
12	Percent of route parallel with apparent features (existing ROWs or property lines)	92	90	89	84	94	83	79	92	92	85	96	77	76	75	78	96	87	79	78	79	71	70	83
13	Length of route across parks/recreational areas [3]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Number of additional parks/recreational areas [3] within 1,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Length of route across agricultural land/cropland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Length of route across pastureland	3749	3749	3749	3907	3062	2957	2112	4118	3749	3907	3062	1742	475	370	3538	3062	3907	1742	3590	475	3274	2957	3907
17	Length of route across mobile irrigated cropland or pastureland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Length of route parallel to existing pipeline ROW	710	710	710	710	710	710	0	710	710	710	710	0	0	0	0	710	710	0	0	0	1551	1551	710
19	Number of pipeline crossings	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	8	8	6
20	Number of transmission line crossings	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	Number of U.S. and state highway crossings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Number of F.M. road crossings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Number of local road crossings	4	4	5	4	4	4	7	4	2	2	2	6	7	5	7	3	3	6	7	7	3	6	5
24	Number of heliports within 5,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Number of private airstrips within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Number of FAA-listed airports [4] within 10,000 feet of route centerline having no runway more than 3,200 feet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Number of FAA-listed airports within 20,000 feet of route centerline having at least one runway more than 3,200 feet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Number of commercial AM radio transmitters within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	Number of FM radio transmitters, microwave relay stations, and other electronic installations etc. within 2,000 feet of route centerline	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	1	0	1	2	1	4
30	Number of water wells within the ROW	0	1	1	1	1	1	2	0	0	0	0	2	1	1	2	0	0	2	1	1	0	2	1
31	Number of oil and gas wells within the ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Aesthetics																							
32	Estimated length of route within foreground visual zone [5] of U.S. and state highways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Estimated length of route within foreground visual zone [5] of FM and county roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Estimated length of route within foreground visual zone [5][6] of park and recreational areas [4]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ecology																							
35	Length of route across upland woodlands	8904	6244	5936	6418	6122	6157	5474	8355	7246	7420	7124	4897	5037	4932	5103	8629	9709	5871	7279	6011	8301	7236	9746
36	Length of route across bottomland/riparian woodlands	2605	2605	2605	2703	3554	3283	2831	2605	2605	2703	3554	2830	2830	4056	3627	3554	2703	2830	1486	2830	4674	3949	2703
37	Length of route across all National Wetland Inventory (NWI) mapped wetlands	560	569	560	806	785	785	894	560	560	797	776	894	1043	1043	818	776	797	894	1448	1043	1402	751	806
	Length of route across NWI mapped forested wetlands	0	0	0	0	0	0	504	0	0	0	0	505	505	505	504	0	0	505	162	505	1083	504	0
	Length across NWI PSS mapped wetlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Length across NWI PEM mapped wetlands	416	416	416	150	150	150	304	416	416	150	150	304	452	452	228	150	150	304	452	452	73	0	150
38	Length of route across critical habitat of federally listed threatened or endangered species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Length of route across open water (NWI lakes or ponds)	0	0	0	504	504	504	0	0	0	504	504	0	0	0	0	504	504	0	813	0	160	160	504
40	Number of stream and canal crossings	6	6	6	6	5	5	3	6	6	6	5	3	3	3	3	5	6	3	1	3	3	3	6
41	Length of route parallel to streams within 100 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Length of route across 100-year floodplains	5481	5464	5481	6718	8903	9235	8498	5481	5481	6736	8921	8498	8931	10580	8385	8921	6736	8498	4896	8931	10155	8717	6718
	Cultural Resources																							
43	Number of cemeteries within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
44	Number of recorded historical and archeological sites crossed within ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Number of additional recorded historical and archeological sites within 1,000 feet of route centerline	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	1	0	1	1	1	0
46	Number of National Register of Historic Places listed or determined-eligible properties within ROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Number of additional National of Register Historic Places listed or determined-eligible properties within 1,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Length of route across areas of high archaeological/historic site potential	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[1] Single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, schools, or other structures normally inhabited by humans or intended to be inhabited by humans on a regular basis within 300 feet of the centerline of a transmission project less than 230-kV.

[2] Apparent property boundaries created by existing roads, highway, or railroad ROW are not "double counted" in the length of ROW parallel to apparent property boundaries criteria.

[3] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

[4] As listed in the Chart Supplement South Central U.S. (FAA 2020b formerly known as the Airport/Facility Directory South Central U.S.), and FAA 2020a.

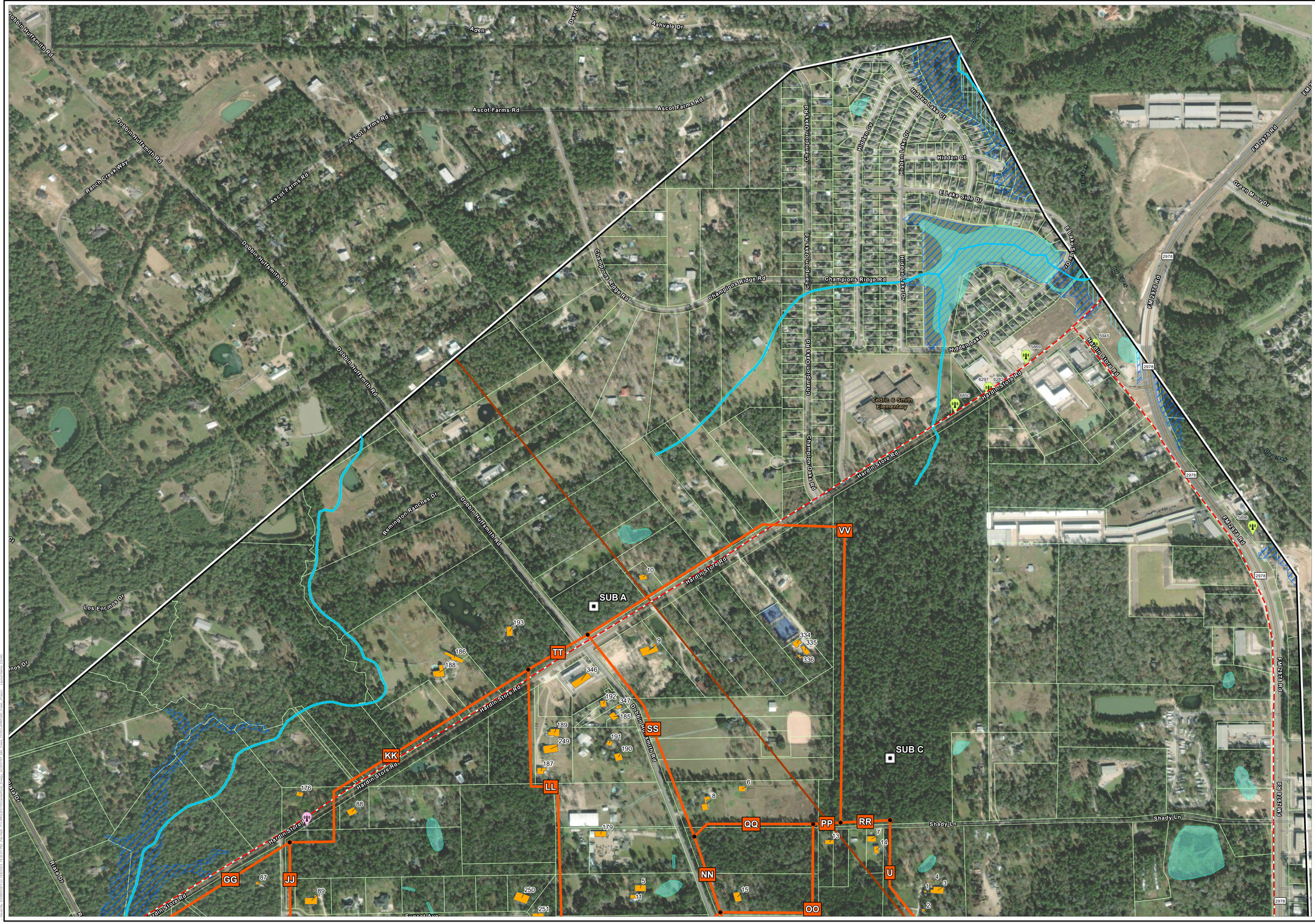
[5] One-half mile, unobstructed. Lengths of ROW within the visual foreground zone of Interstates, US and state highway criteria are not "double-counted" in the length of ROW within the visual foreground zone of FM roads criteria.

[6] One-half mile, unobstructed. Lengths of ROW within the visual foreground zone of parks/recreational areas may overlap with the total length of ROW within the visual foreground zone of interstates, US and state highway criteria and/or with the total length of ROW within the visual foreground zone of FM roads criteria.

Note: All length measurements in feet unless noted otherwise. All linear measurements were obtained from various aerial photograph sources: ESRI World Imagery Service August 2020, Google Earth April 2022, and Near Map Imagery Service October 2022.

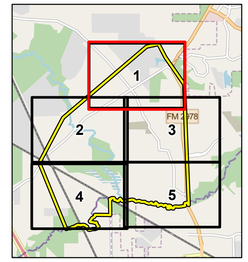
Appendix C

Habitable Structures and Other Land Use Features in the Vicinity of the Alternative Routes



STUDY AREA
PROPOSED ROUTE SEGMENTS
POTENTIAL SUBSTATION
LIKELY HABITABLE STRUCTURE
MONTGOMERY COUNTY TAX PARCEL BOUNDARY
EXISTING ELECTRIC LINES
RAILROAD A.C. MITIGATION
REFINED PRODUCTS PIPELINES
CRUDE OIL PIPELINES
RAILROAD
NHD STREAM/RIVER
WATERBODY
NWI WETLANDS
100-YEAR FLOODPLAIN
FLOODWAY
CEMETERY
MICROWAVE SERVICE TOWERS
CELLULAR TOWER

ROUTE	SEGMENT STRING
1-A	TT,LL,II,HH,V,P,C
2-A	TT,KK,GG,P,C
3-A	TT,KK,JJ,HH,V,P,C
4-A	TT,KK,GG,P,O,E,B
5-A	TT,KK,GG,P,O,E,D,A2,A1
6-A	TT,KK,GG,P,O,E,D,A2,WW
7-A	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
8-A	SS,NN,MM2,MM1,II,HH,V,P,C
9-B	MM1,II,HH,V,P,C
10-B	MM1,II,HH,V,P,O,E,B
11-B	MM1,II,HH,V,P,O,E,D,A2,A1
12-B	FF,DD,BB,AA,Z,XX,Q,H,F2,X,A1
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
23-C	VV,TT,KK,GG,P,O,E,B



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0 200 400 600 800 1,000 FEET

BASE MAP: ESRI IMAGERY HYBRID ONLINE MAP SERVICE
DATA SOURCES: TRC, USGS, USFWS, FEMA, MONTGOMERY COUNTY ASSESSOR'S OFFICE

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE: **HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES**

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. STONE-LORD	**FIGURE 3-3**	
APPROVED BY:	J. NICHOLAS	**SHEET 1 OF 5**	
DATE:	OCTOBER 2023		

TRC
14701 St. Mary's Lane
Suite 500
Houston, TX 77079
Phone: 713.244.1000

FILE: Mill_Creek_P

Coordinate System: GCS WGS 1984 - Map Rotation: 0
Path: K:\507707\GIS\ArcPro\Mill_Creek_P\Mill_Creek_P.aprx - Layout: Habitable Structures - Layout1 - User: jnicholas

STUDY AREA
PROPOSED ROUTE SEGMENTS
POTENTIAL SUBSTATION
LIKELY HABITABLE STRUCTURE
MONTGOMERY COUNTY TAX PARCEL BOUNDARY
EXISTING ELECTRIC LINES
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CRUDE OIL PIPELINES
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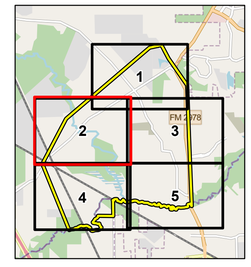
WATERBODY
NWI WETLANDS
100-YEAR FLOODPLAIN
FLOODWAY
CEMETERY
MICROWAVE SERVICE TOWERS
CELLULAR TOWER

ROUTE	SEGMENT STRING
1-A	TT,LL,II,HH,V,P,C
2-A	TT,KK,GG,P,C
3-A	TT,KK,JJ,HH,V,P,C
4-A	TT,KK,GG,P,O,E,B
5-A	TT,KK,GG,P,O,E,D,A2,A1
6-A	TT,KK,GG,P,O,E,D,A2,WW
7-A	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
8-A	SS,NN,MM2,MM1,II,HH,V,P,C
9-B	MM1,II,HH,V,P,C
10-B	MM1,II,HH,V,P,O,E,B
11-B	MM1,II,HH,V,P,O,E,D,A2,A1
12-B	FF,DD,BB,AA,Z,XX,Q,H,F2,X,A1
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
23-C	VV,TT,KK,GG,P,O,E,B



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BASE MAP: ESRI IMAGERY HYBRID ONLINE MAP SERVICE
DATA SOURCES: TRC, USGS, USFWS, FEMA, MONTGOMERY COUNTY ASSESSOR'S OFFICE

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE: **HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES**

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. STONE-LORD	**FIGURE 3-3**	
APPROVED BY:	J. NICHOLAS	**SHEET 2 OF 5**	
DATE:	OCTOBER 2023		

TRC
14701 St. Mary's Lane
Suite 500
Houston, TX 77079
Phone: 713.244.1000

FILE: Mill_Creek_JY

Coordinate System: GCS WGS 1984. Map Rotation: 0
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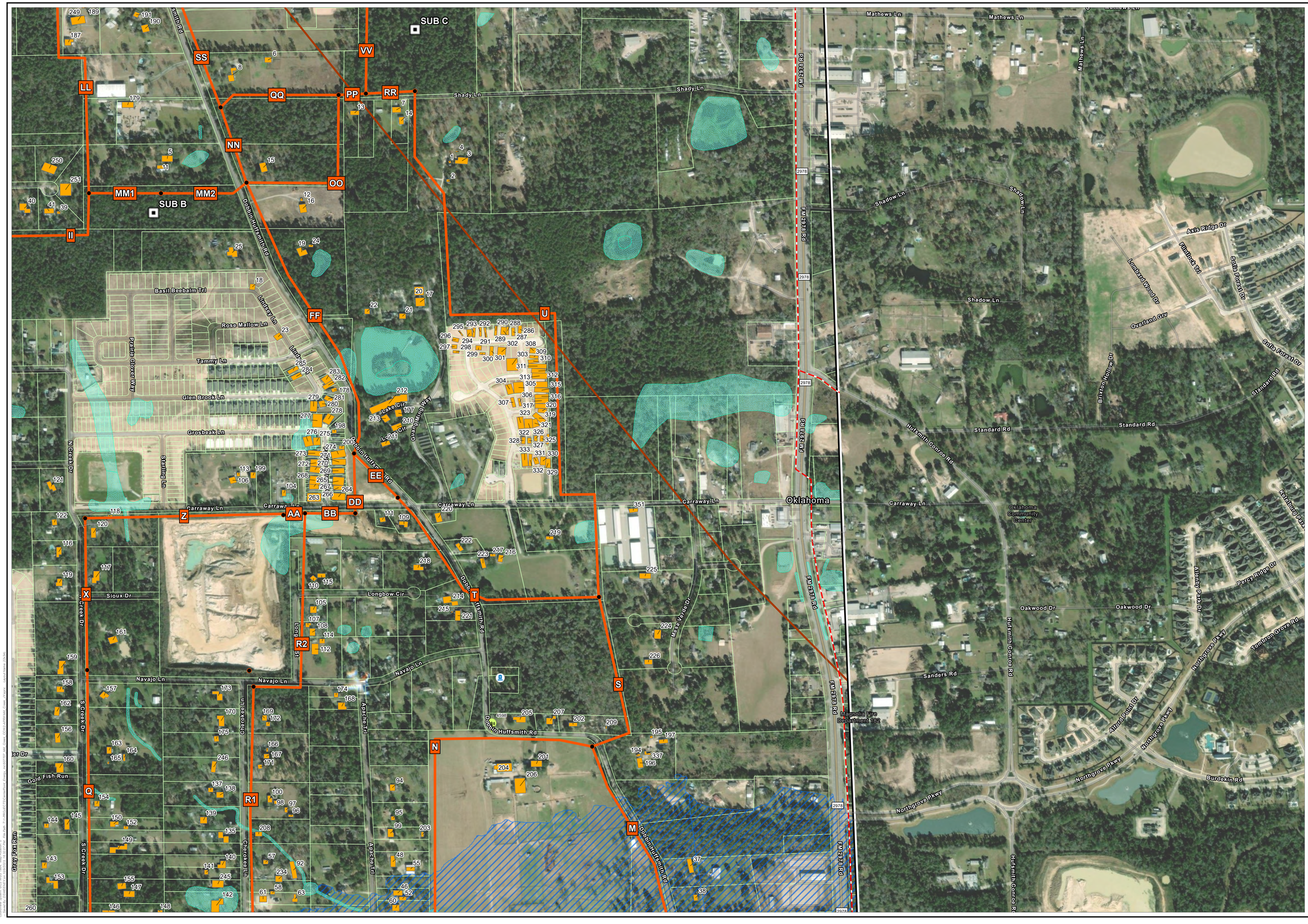

- STUDY AREA
- PROPOSED ROUTE SEGMENTS
- POTENTIAL SUBSTATION
- LIKELY HABITABLE STRUCTURE
- MONTGOMERY COUNTY TAX PARCEL BOUNDARY
- EXISTING ELECTRIC LINES
- RAILROAD A.C. MITIGATION
- REFINED PRODUCTS PIPELINES
- CRUDE OIL PIPELINES
- RAILROAD
- NHD STREAM/RIVER
- WATERBODY
- NWI WETLANDS
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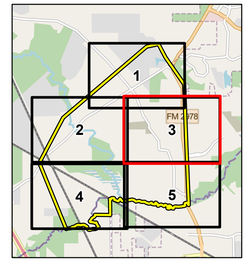
- MICROWAVE SERVICE TOWERS
- CELLULAR TOWER

ROUTE	SEGMENT STRING
1-A	TT,LL,II,HH,V,P,C
2-A	TT,KK,GG,P,C
3-A	TT,KK,JJ,HH,V,P,C
4-A	TT,KK,GG,P,O,E,B
5-A	TT,KK,GG,P,O,E,D,A2,A1
6-A	TT,KK,GG,P,O,E,D,A2,WW
7-A	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
8-A	SS,NN,MM2,MM1,II,HH,V,P,C
9-B	MM1,II,HH,V,P,C
10-B	MM1,II,HH,V,P,O,E,B
11-B	MM1,II,HH,V,P,O,E,D,A2,A1
12-B	FF,DD,BB,AA,Z,XX,Q,H,F2,X,A1
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
23-C	VV,TT,KK,GG,P,O,E,B



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0 200 400 600 800 1,000 FEET

BASE MAP: ESRI IMAGERY HYBRID ONLINE MAP SERVICE
DATA SOURCES: TRC, USGS, USFWS, FEMA, MONTGOMERY COUNTY ASSESSOR'S OFFICE

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE: **HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES**

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. STONE-LORD	**FIGURE 3-3**	
APPROVED BY:	J. NICHOLAS	**SHEET 3 OF 5**	
DATE:	OCTOBER 2023		

TRC
14701 St. Mary's Lane
Suite 500
Houston, TX 77079
Phone: 713.244.1000

FILE: Mill_Creek_JY

Coordinate System: GCS WGS 1984. Map Rotation: 0
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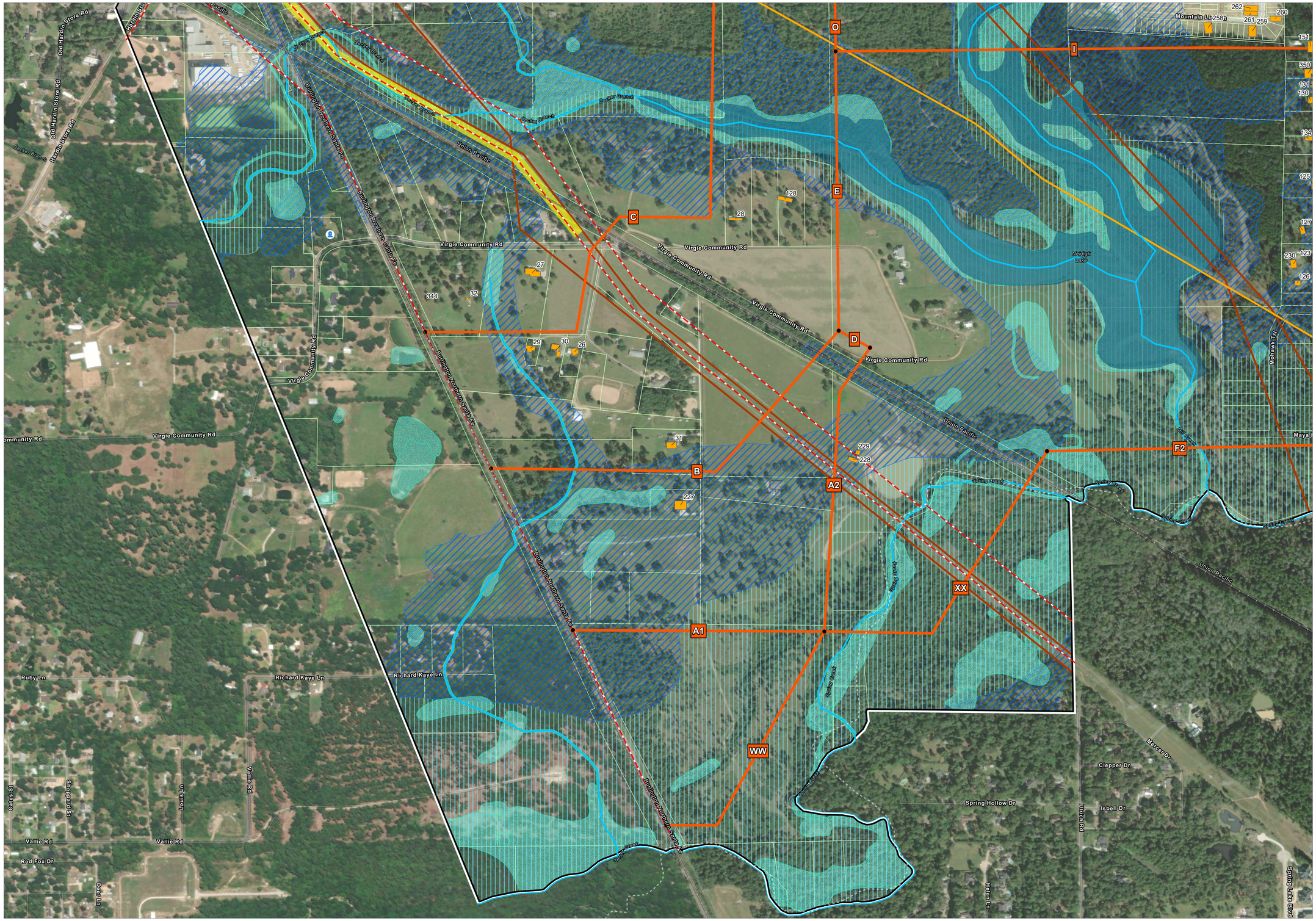

- STUDY AREA
- PROPOSED ROUTE SEGMENTS
- POTENTIAL SUBSTATION
- LIKELY HABITABLE STRUCTURE
- MONTGOMERY COUNTY TAX PARCEL BOUNDARY
- EXISTING ELECTRIC LINES
- RAILROAD A.C. MITIGATION
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1-A	TT,LL,II,HH,V,P,C
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11-B	MM1,II,HH,V,P,O,E,D,A2,A1
12-B	FF,DD,BB,AA,Z,XX,Q,H,F2,X,A1
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
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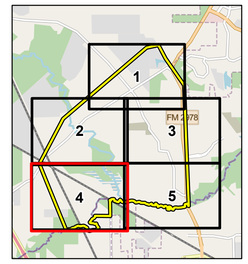

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BASE MAP: ESRI IMAGERY HYBRID ONLINE MAP SERVICE
DATA SOURCES: TRC, USGS, USFWS, FEMA, MONTGOMERY COUNTY ASSESSOR'S OFFICE

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE: **HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES**

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. STONE-LORD	**FIGURE 3-3**	
APPROVED BY:	J. NICHOLAS		
DATE:	OCTOBER 2023	**SHEET 4 OF 5**	

TRC
14701 St. Mary's Lane
Suite 500
Houston, TX 77079
Phone: 713.244.1000

FILE: Mill_Creek_JY

Coordinate System: GCS WGS 1984. Map Rotation: 0
Date Exported: 10/24/2023 9:47:23 AM
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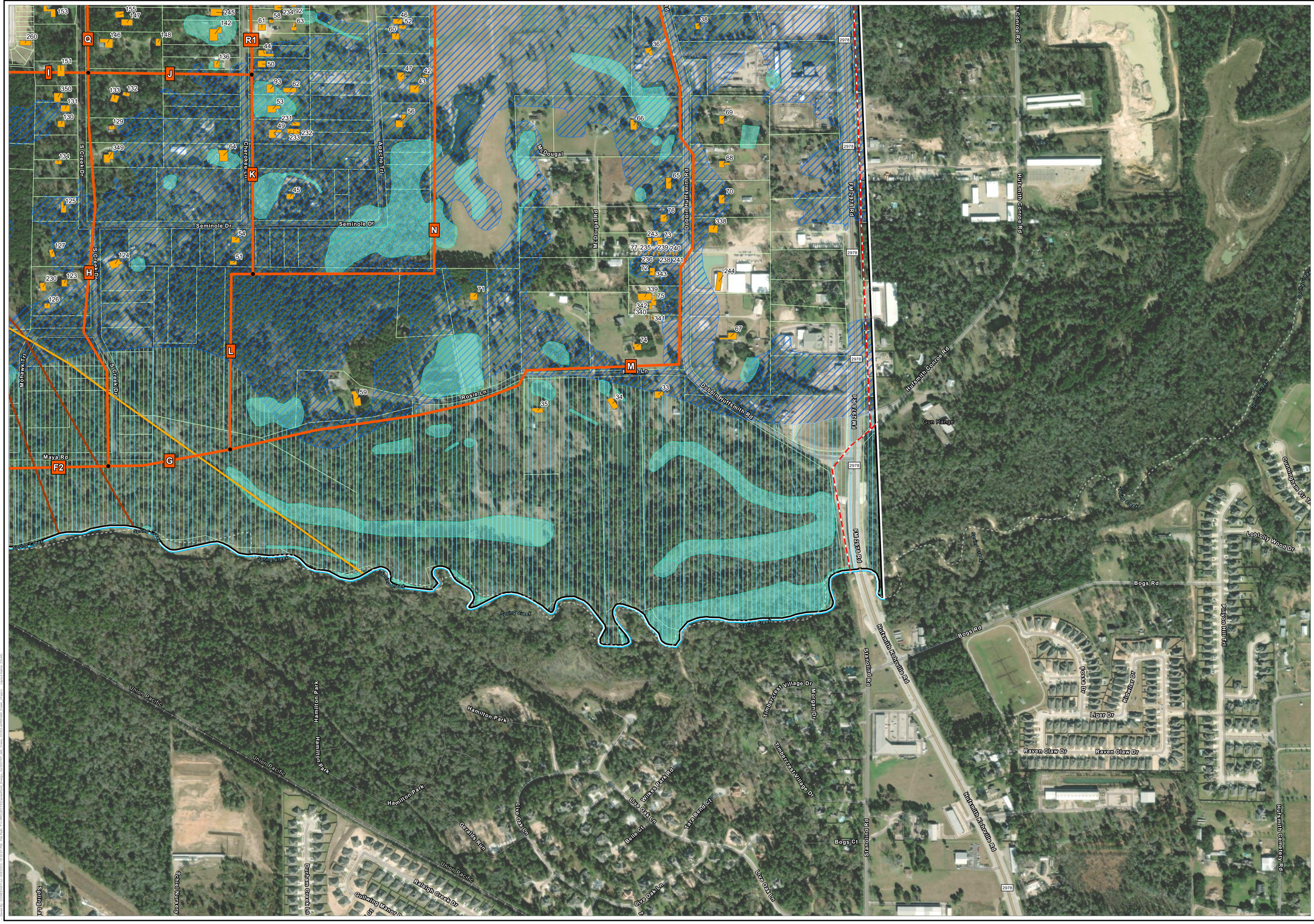

STUDY AREA
PROPOSED ROUTE SEGMENTS
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LIKELY HABITABLE STRUCTURE
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14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1
15-B	FF,EE,T,S,M,G,F2,XX,A1
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1
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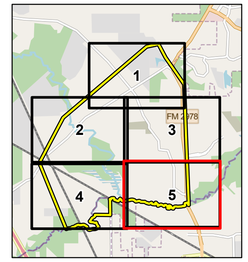
21-C	U,S,N,L,G,F2,XX,WW
22-C	U,S,M,G,F2,XX,WW
23-C	VV,TT,KK,GG,P,O,E,B



1:4,500

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BASE MAP: ESRI IMAGERY HYBRID ONLINE MAP SERVICE
DATA SOURCES: TRC, USGS, USFWS, FEMA, MONTGOMERY COUNTY ASSESSOR'S OFFICE

PROJECT:
CENTER POINT ENERGY
MILL CREEK PHASE 3

TITLE:
HABITABLE STRUCTURES AND OTHER LAND USE FEATURES IN THE VICINITY OF THE PROPOSED ALTERNATIVE ROUTES

DRAWN BY:	D. SWEENEY	PROJ. NO.:	507707
CHECKED BY:	J. STONE-LORD	**FIGURE 3-3**	
APPROVED BY:	J. NICHOLAS	**SHEET 5 OF 5**	
DATE:	OCTOBER 2023		

TRC
14701 St. Mary's Lane
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Houston, TX 77079
Phone: 713.244.1000

FILE: Mill_Creek_P7

Coordinate System: GCS WGS 1984 - Map Rotation: 0
Path: C:\Projects\507707\GIS\MXD\Habitable Structures\Habitable Structures_MAP.mxd - User: DSWEENEY - Date/Time: 10/26/2023 2:24:26 PM

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KK	1	R225134	186,188	ABBOTT, FREDERICK C	27945 HARDIN STORE RD		MAGNOLIA	TX	77354-5506
n/a	1	R37722		AGAP HOUSTON FM 2978 LP	150 E 52ND STREET 32ND FLOOR		NEW YORK	NY	10022-6233
VV	1	R211640		BIEHL, STEPHEN & MONICA	28314 HARDIN STORE RD		MAGNOLIA	TX	77354-5504
SS,VV	1	R211653		BRASWELL, JEROME C & LEAH H	28220 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4056
SS,VV	1	R211650		BRASWELL, JEROME C & LEAH H	28220 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4056
VV	1	R211645		BRASWELL, JEROME C, III	28206 HARDIN STORE RD		MAGNOLIA	TX	77354-5503
SS	1	R409037	185,347	CARMONA, MARCIANO	28303A DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4058
VV	1	R211641		CASARES, JOSE ANTONIO	10851 W MONTFAIR BLVD	APT 6304	SPRING	TX	77382-2116
SS	1	R409036	185	CHALICO, JOSE EPIFANIO	28303B DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4058
n/a	1	R37706		CILLIS, JOSEPH R	113 MAGNOLIA RESERVE LOOP		MAGNOLIA	TX	77354-3867
n/a	1	R532437		CILLIS, MEGAN	9216 SHADY LN		MAGNOLIA	TX	77354-4030
n/a	1	R211624		ELLIOTT, JAMES & REBECCA LYNN	28414 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-2902
n/a	1	R37721		GARNER, MICHAEL G ET AL	28631 FM 2978 RD	TRLR 6	MAGNOLIA	TX	77354-3790
n/a	1	R214382		HAYMOND, DANIEL JAMES	29118 HIDDEN LAKE CT		MAGNOLIA	TX	77354-6582
VV	1	R502725		JF REMODELING & CONSTRUCTION INC	38 POWERS BEND WAY		SPRING	TX	77382-5029
VV	1	R211627		LARGE,TIMOTHY & EPIFINIA	28335 HARDIN STORE RD		MAGNOLIA	TX	77354-5509
VV	1	R233395		LARGE,TIMOTHY & EPIFINIA	28335 HARDIN STORE RD		MAGNOLIA	TX	77354-5509
VV	1	R271236		MAGNOLIA ISD	PO BOX 138		MAGNOLIA	TX	77353-0138
n/a	1	R37716		MAJORWITZ, JOHN J, JR	4263 BRIDLEDON LN		HOUSTON	TX	77014-1842
n/a	1	R214380		MAJORWITZ, MARY E	12003 POULSON DR		HOUSTON	TX	77031-3043
LL,SS	1	R409038	192	MONTENEGRO, JOSE LUIS	28307B DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4058
LL,SS	1	R409039	192	MONTENEGRO, JOSE LUIS JR & VANESSA	28307A DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4058
VV	1	R225645		MURRAY, GEORGE & DIANE R	28211 HARDIN STORE RD		MAGNOLIA	TX	77354-5609
VV	1	R225645	10	MURRAY, GEORGE E & DIANE R	28211 HARDIN STORE RD		MAGNOLIA	TX	77354-5609
LL,SS,VV,TT,KK	1	R252174	193	PATTON, BETTY G	28411 DOBBIN HUFFSMITH RD	STE 1600	MAGNOLIA	TX	77354
VV	1	R211625		RAINBOW TRUST	28303 HARDIN STORE RD		MAGNOLIA	TX	77354-5509
SS,VV,TT	1	R211632		RAMARSR INC	20023 CYPRESSWOOD CRK		SPRING	TX	77373-3283
LL,SS,VV,TT,KK	1	R211634	346	RAMARSR INC	28106 HARDIN STORE RD		MAGNOLIA	TX	77354-5502
VV	1	R211648		RAMARSR INC	20023 CYPRESSWOOD CRK		SPRING	TX	77373-3283
LL,TT,KK	1	R504531		RAMARSR INC	20023 CYPRESSWOOD CRK		SPRING	TX	77373-3283
SS,VV,TT	1	R211658	9	RODRIGUEZ, EDELMIRA	28106 HARDIN STORE RD		MAGNOLIA	TX	77354-5502
VV	1	R500592	334,335,336	RUSH, MONROE JR & THERESITA	28302 HARDIN STORE RD		MAGNOLIA	TX	77354-5504
VV	1	R211626		RYMAN, CHRIS E & LISA L ROTH	594 SAWDUST RD	# 366	SPRING	TX	77380-2215
VV	1	R73372		SMC DEV GROUP	PO BOX 640		PINEHURST	TX	77362-0640
VV	1	R73373		SMC DEV GROUP	PO BOX 640		PINEHURST	TX	77362-0640
VV	1	R73374		TIBLC LLC	14 BONWICK CT		THE WOODLANDS	TX	77382-2885
VV	1	R211642		WESTMORELAND, VIRGINIA BARBER	14911 OAK BEND DR		HOUSTON	TX	77079-6321
GG,V,P	2	R400723							
GG	2	R496019		BAC INVESTMENTS	%TIM WEEMS	15 EAGLES WING	MAGNOLIA	TX	77354-6484
JJ,II,HH	2	R37479	85,348	BAYER, ANGELA	28120 CLINT NEIDGK RD		MAGNOLIA	TX	77354-4000
V,HH	2	R161204	80,82	BLACK RANDY A	10122 SENECA TRL		MAGNOLIA	TX	77354-3701
C	2	R164782		BROWN, LISA C & SHAWN M	334 TALL PINES DR		MAGNOLIA	TX	77354-4026
C	2	R215311	91	BROWN, MICHAEL E & TRACY	402 TALL PINES DR		MAGNOLIA	TX	77354-4093
GG	2	R37468	86	CALLE, JULIO C & MIRIAM	7265 NORTH FWY		HOUSTON	TX	77076-1310
GG	2	R400715	182,184	CAMPBELL, BRIAN D & SHARON L	1045 TRAILWOOD ESTATES DR		MAGNOLIA	TX	77354-3531
JJ,II,HH	2	R418407	78,84	CAROTHERS, TODD & PATRICIA	10202 LOST PATH LN		MAGNOLIA	TX	77354-4108
GG,V	2	R400727		CARRIZALES, RODOLFO & MARIA	8415 FOLKSTONE LN		HOUSTON	TX	77075-3731
GG	2	R400726		CARRIZALES, RODOLFO & MARIA	8415 FOLKSTONE LN		HOUSTON	TX	77075-3731
JJ,II,HH	2	R37470		CC III INVESTMENTS LLC	20732 CENTRAL CONCAVE DR		NEW CANEY	TX	77357-3022
GG,JJ,II,HH	2	R37472	78	CC III INVESTMENTS LLC - SERIES C	10202 LOST PATH LN		MAGNOLIA	TX	77354-4108
P	2	R164789	102	COSBY, RANDALL & VICTORIA	602 TALL PINES DR		MAGNOLIA	TX	77354
P	2	R164790		DENNIS W SCHEER & LYNDA G REV 2017 TRUST	C/O DENNIS & LYNDA SCHEER	610 TALL PINES DR	MAGNOLIA	TX	77354-4091
GG,V,P	2	R400719		DUPRE, NICHOLAS A & ADRYAN S	27118 HARDIN STORE RD		MAGNOLIA	TX	77354-6318
II	2	R380707	252	FOLEY, RON & ZANDRA	11349 SUNSET AVE		MAGNOLIA	TX	77354
GG	2	R400713		FRAINI, EDWARD A & ANITA	1101 TRAILWOOD ESTATES DR		MAGNOLIA	TX	77354-3525
GG,V,P	2	R400722		GADDY, MARK ALLAN	25126 SHALFORD DR		SPRING	TX	77389-3435
P	2	R400717		GERMAN, JIMMY EDWARD JR	27042 HARDIN STORE RD		MAGNOLIA	TX	77354-6317
C,P,O	2	R164787	103	GILBERT, KEITH T & SUSAN M	510 TALL PINES DR		MAGNOLIA	TX	77354-4092
GG	2	R214211	255,256	HOWERY, DAVID RANDALL & DEBORAH A	27540 HARDIN STORE RD		MAGNOLIA	TX	77354-6322
GG	2	R252765		JACOBS, GINNY	9535 TOWNE LAKE PKWY		CYPRESS	TX	77433-0271
GG	2	R400698		JACOBS, SCOTT & GINNY	1018 TRAILWOOD ESTATES DR		MAGNOLIA	TX	77354
GG	2	R400696	180,345	JACOBS, SCOTT, Jr	1018 TRAILWOOD ESTATES DR		MAGNOLIA	TX	77354-3530
GG,V,HH,P	2	R37675	247,248	LEHIGH, MATTHEW E	200 WILDERNESS TRL		MAGNOLIA	TX	77354-4005
P	2	R418389		MARQUEZ, OCTAVIO & KAREN	10226 N AUTUMN LEAF CIR		MAGNOLIA	TX	77354-6981
V,II,HH	2	R37489		MAULL, DONNA	28110 CLINT NEIDGK RD		MAGNOLIA	TX	77354-4000
P	2	R164788		MCBEE, STEPHANIE B & MASON N MCBEE	522 TALL PINES DR		MAGNOLIA	TX	77354-4092
GG	2	R37471	181	MILLER, TRACIE E	1137 AUTUMNWOOD DR		MAGNOLIA	TX	77354-4542
II	2	R380706		MOLERES, DIDIER SR & ELIZABETH	6101 NW 107TH ST		KANSAS CITY	MO	64154-1796
C	2	R164784		NEIDIGK, LESTER	1543 VIRGIE RD		MAGNOLIA	TX	77354
P	2	R37474		NICHOLS, J ROSS & ELAINE	10500 SENECA TRL		MAGNOLIA	TX	77354-4074
C,P,O	2	R164785	90	ONCKEN, SHANDY D & KATIE L	426 TALL PINES DR		MAGNOLIA	TX	77354-4093
n/a	2	R418393		ORTIZ, JAVIER G & DENISSE GUERRA	9595 SIX PINES DR	STE 8210	SPRING	TX	77380-1642
V,HH	2	R418413	81	OVERBY, LAURA L	10211 LOST PATH LN		MAGNOLIA	TX	77354-4107
V,HH	2	R161184		OWEN, KEITH K	10119 SENECA TRL		MAGNOLIA	TX	77354-4075
GG,V,P	2	R400729		RESERVE AT AUTUMNWOOD COMMUNITY ASSOCIATION INC	2002 W GRAND PKWY	# 100	KATY	TX	77449-1964
GG,V,P	2	R400730		RESERVE AT AUTUMNWOOD COMMUNITY ASSOCIATION INC	2002 W GRAND PKWY	# 100	KATY	TX	77449-1964
GG,V,P	2	R418415		RESERVE AT AUTUMNWOOD COMMUNITY ASSOCIATION INC	2002 W GRAND PKWY	# 100	KATY	TX	77449-1964
II	2	R497189	253	REYNOSO, BRET & JAMIE REYNOSO	11451 SUNSET AVE		MAGNOLIA	TX	77354-6998
V	2	R418412	79,257	RILEY, MICHAEL	10219 LOST PATH LN		MAGNOLIA	TX	77354-4107
GG	2	R418411		SAP REVOCABLE TRUST	10218 LOST PATH LN		MAGNOLIA	TX	77354-4108
V,HH	2	R418414	83	SCHAB, JOSEPH A & ANA C	10203 LOST PATH LN		MAGNOLIA	TX	77354-4107
GG,V,P	2	R400721		SMARTEX CONSTRUCTION	11023 N COUNTRY CLUB GREEN DR		TOMBALL	TX	77375-7084
II	2	R497190	254	SMOLKO, STEVEN	11475 SUNSET AVE		MAGNOLIA	TX	77354-6998
P	2	R164793		SSC LIVING TRUST	26614 SYCAMORE CIR		MAGNOLIA	TX	77354-4023
P	2	R164791		THE JOHN AND PAMELA CAPLINGER TRUST	618 TALL PINES DR		MAGNOLIA	TX	77354-4091
P	2	R418390		TUCKER, RUSSELL D & KAREN M	10239 S AUTUMN LEAF CIR		MAGNOLIA	TX	77354-3596
GG,V,P	2	R400724	183	VIGIL, RICHARD A & DANNET S	27248 HARDIN STORE RD		MAGNOLIA	TX	77354-6319
P	2	R418392		WEBB, LUKE T & JENNIFER A	10227 S AUTUMN LEAF CIR		MAGNOLIA	TX	77354-3596
II	2	R380709		WOODFOREST ESTATES COMMUNITY	ASSOCIATION INC	11504 SUNSET AVE	MAGNOLIA	TX	77354-5362
P	2	R400718		WORLEY, ERIC	27080 HARDIN STORE RD		MAGNOLIA	TX	77354-6317
P	2	R418391		WRIGHT, CHRIS J & MICHELE	10233 S AUTUMN LEAF CIR		MAGNOLIA	TX	77354-3596
P	2	R46724		ZIMMERMAN, LARRY & KATHLEEN	26630 SYCAMORE CIR		MAGNOLIA	TX	77354-4023
P	2	R164795		ZIMMERMAN, LARRY & KATHLEEN	26630 SYCAMORE CIR		MAGNOLIA	TX	77354-4023
P	2	R164794	101	ZIMMERMAN, LARRY & KATHLEEN	26630 SYCAMORE CIR		MAGNOLIA	TX	77354-4023
DD,Z,BB,AA,R2	3	R506899	263	ABSOLUTE VENTURES LLC	4300 BLACK AVE	UNIT 5352	PLEASANTON	CA	94566-5114
DD,Z,BB,AA,R2	3	R506897	263	ABSOLUTE VENTURES LLC	4300 BLACK AVE	UNIT 5352	PLEASANTON	CA	94566-5114
FF,DD,EE,BB,AA,R2	3	R506938	267	ABSOLUTE VENTURES LLC	4300 BLACK AVE	UNIT 5352	PLEASANTON	CA	94566-5114
FF,DD,EE,BB	3	R506939	267	ABSOLUTE VENTURES LLC	4300 BLACK AVE	UNIT 5352	PLEASANTON	CA	94566-5114
FF,DD,EE	3	R506952	278	AGARWAL, CHANDAN	631 E EL CAMINO REAL	UNIT 104	SUNNYVALE	CA	94087-2959
FF,DD,EE	3	R506953	277,278	AGARWAL, CHANDAN	631 E EL CAMINO REAL	UNIT 104	SUNNYVALE	CA	94087-2959
U	3	R521148	327	AIN, MAHMOUD A & VALERIA COREA	9214 BETANCOURT CV		MAGNOLIA	TX	77354-7126
U	3	R521153	330,331	ALFARO, LUIS E & SAMARA TOSTADO	1945 ELDORADO CIR		SUPERIOR	CO	80027-8280
N	3	R161102		ALFORD, KERRY W & WENDY A	27118 APACHE TRL		MAGNOLIA	TX	77354-3728
U	3	R521147	328	ALMOCERA, HUMBELINE Y & RICHMOND B	9220 BETANCOURT CV		MAGNOLIA	TX	77354-7126
U	3	R521124	287	AYALA, ELISSA C & ROBERT MOYA	9522 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
Z,X	3	R161162		BAILEY, CYNTHIA RENEE	27402 N CREEK		MAGNOLIA	TX	77354-4006
FF,DD,EE	3	R506906	272	BALES, PATRICK	4189 RYBOLT RD		CINCINNATI	OH	45248-2108
FF,DD,EE	3	R506907	272	BALES, PATRICK	4189 RYBOLT RD		CINCINNATI	OH	45248-2108
FF,DD,EE,BB,AA,R2	3	R506904	270	BALES, PATRICK	4189 RYBOLT RD		CINCINNATI	OH	45248-2108
FF,DD,EE	3	R506905	270,272	BALES, PATRICK	4189 RYBOLT RD		CINCINNATI	OH	45248-2108
R1,R2	3	R161051	173	BENCH, ANN L	27219 CHEROKEE LN		MAGNOLIA	TX	77354-3746
U	3	R521176	300	BENITEZ, MICHAEL & STEPHANIE HICKMAN	27616 BELLO BEND LN		MAGNOLIA	TX	77354-7122
U	3	R521120		BENNETT, RYANE & CHRISTIAN	9538 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
T,DD,EE,BB	3	R33837	109	BLACKLOCK, WAYNE	21623 SLIPPERY CREEK LN		SPRING	TX	77388-3940
OO,FF,LL,NN,MM2,II,MM1	3	R37622		BM TEXAS SUNBELT ENTERPRISES LLC	6410 ASHLEY MANOR DR		SPRING	TX	77389-4033

R1	3	R161059	208	BOWDEN, JAMES E & TAMARA A	27011 APACHE TRL		MAGNOLIA	TX	77354-3721
U	3	R521149	326	BOWSER, RYAN J & JACIE L	9210 BETANCOURT CV		MAGNOLIA	TX	77354-7126
FF,DD,EE	3	R506908	273	BOYAPATI, KALYANI	15514 HIGH KNOLL RD		ENCINO	CA	91436-3419
FF,DD,EE	3	R506909	273	BOYAPATI, KALYANI	15514 HIGH KNOLL RD		ENCINO	CA	91436-3419
N	3	R33780	205	BRISCOE, CHERYL	26950 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4035
N,M,S	3	R33782	202,209	BRUCE, IRIS JUANITA	26926 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4035
Q	3	R161020	150,152	BUCKELEW, KELLEY A & LINDA L	11711 BIRCH RUN LN		HOUSTON	TX	77067-2221
T	3	R161146	221	BUTLER, TRAVIS M & ASHLEY E MCBRIDE	27303 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4057
R2	3	R161135	107,108	CAMDEN, RANDALL M & LINDA L	27307 LONGBOW ST		MAGNOLIA	TX	77354-4059
R2	3	R161133		CAMDEN, RANDALL M & LINDA L	27307 LONGBOW ST		MAGNOLIA	TX	77354-4059
R2	3	R161134		CAMDEN, RANDALL M & LINDA L	27307 LONGBOW ST		MAGNOLIA	TX	77354-4059
U	3	R521138	314,315	CAMPBELL, MEGAN T	27622 MESABE DR		MAGNOLIA	TX	77354-7123
U	3	R521123	288,289	CANTU, CESAR V & REINA DURAN MORENO	9526 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
U	3	R37649		CARRAWAY I4 LP	2170 BUCKTHORNE PL	STE 150	SPRING	TX	77380-1778
U	3	R37518		CARRAWAY I4 LP	2170 BUCKTHORNE PL	STE 150	SPRING	TX	77380-1778
U	3	R521131	308,309	CAZARES, CHANTAL	27650 MESABE DR		MAGNOLIA	TX	77354-7123
U	3	R521150	325	CHANDLER, BRUCE D & PHAIK S	17410 GULF WILLOW CT		TOMBALL	TX	77377-2941
U	3	R521130	308	CHAUDOIR, MARK R & MAGDALENA C	27654 MESABE DR		MAGNOLIA	TX	77354-7123
U	3	R521115	295,296	CHEN, DING C	9558 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
U	3	R521171	302	CIRILO GUIZAR, CAROLINE	9527 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
T	3	R161142	218	CLAYTON, SHIRLEY J	9402 LONGBOW CIR		MAGNOLIA	TX	77354-3710
U	3	R521151	324,325	CONTRERAS, ESDRAS L & EGLIANA D A DE LOPEZ	9202 BETANCOURT CV		MAGNOLIA	TX	77354-7126
R2	3	R161136	105	CRAZE, ROBERT G	27315 LONGBOW ST		MAGNOLIA	TX	77354-4059
U	3	R521181	###########	CREEKSIDE COURT DEVELOPMENT LP	6815 CORAL RIDGE RD		HOUSTON	TX	77069-3101
U	3	R521182	333	CREEKSIDE COURT DEVELOPMENT LP	6815 CORAL RIDGE RD		HOUSTON	TX	77069-3101
U	3	R521183		CREEKSIDE COURT DEVELOPMENT LP	6815 CORAL RIDGE RD		HOUSTON	TX	77069-3101
U	3	R521184		CREEKSIDE COURT DEVELOPMENT LP	6815 CORAL RIDGE RD		HOUSTON	TX	77069-3101
U	3	R521185	329	CREEKSIDE COURT DEVELOPMENT LP	6815 CORAL RIDGE RD		HOUSTON	TX	77069-3101
Q	3	R161019	154	CROWSON, DAVID L & CAROL S	27102 S CREEK DR		MAGNOLIA	TX	77354-3747
Q	3	R161018		CROWSON, DAVID L & CAROL S	27102 S CREEK DR		MAGNOLIA	TX	77354-3747
FF,DD,EE	3	R506942	271	CRUZ, YEYSON M & IRIS V	29411 STATES AVE		MAGNOLIA	TX	77354-2137
FF,DD,EE	3	R506943	271,274	CRUZ, YEYSON M & IRIS V	29411 STATES AVE		MAGNOLIA	TX	77354-2137
U	3	R521136	313,314	CUELLAR, RANDOLPH T & ANNI L A D TUDOR	27630 MESABE DR		MAGNOLIA	TX	77354-7123
FF	3	R507021	284	D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541684		D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541679		D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541686		D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541603	23	D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541626		D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R541680		D R HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
U	3	R521134	311,312	DAN, YONG J & SUNG E	94 S REGAN MEAD CIR		SPRING	TX	77382-2789
U	3	R521175	299	DASARI, ROHAN A	27620 BELLO BEND LN		MAGNOLIA	TX	77354-7122
FF	3	R507001		DR HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R507002		DR HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
FF	3	R507003		DR HORTON TEXAS LTD	400 CARRIAGE HILLS BLVD		CONROE	TX	77384-3607
R1	3	R161042	140,141	DUNCAN, TROY D & SANDRA L	27003 CHEROKEE LN		MAGNOLIA	TX	77354-4040
Q	3	R161024		DUNCAN, TROY D & SANDRA L	27003 CHEROKEE LN		MAGNOLIA	TX	77354-4040
R1	3	R161041	245	DUNCAN, TROY D & SANDRA L	27003 CHEROKEE LN		MAGNOLIA	TX	77354-4040
R1	3	R161043	140	DUNCAN, TROY D & SANDRA L	27003 CHEROKEE LN		MAGNOLIA	TX	77354-4040
U	3	R521142	318,320	DUVOE, ERIC A & ALEJANDRA R	27606 MESABE DR		MAGNOLIA	TX	77354-7123
FF,MM2,II,MM1	3	R37487	25	EDDINS, ERIC A & LISA	27811 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3764
Z,BB,AA,R2	3	R357782	104	EISEMAN, CHRISTOPHER & KATIE	11629 KINGFORD DR		MONTGOMERY	TX	77316-9670
FF	3	R541713		ENCLAVE AT DOBBIN H O A INC	1849 KINGWOOD DR	STE 103	KINGWOOD	TX	77339-2974
FF	3	R541683		ESCALONA, JORGE D SR & BRIGITTE PEREZ	25046 LINDSEY LN		MAGNOLIA	TX	77354-5368
T	3	R37502		EXTRAORDINARY EDUCATION FAMILY LEARNING CENTER	9522 CARRAWAY LN		MAGNOLIA	TX	77354-3739
N	3	R161100		FELDHAUS, JEFF	9303 NAVAJO RD		MAGNOLIA	TX	77354-4064
U	3	R521137	314	FERNANDEZ, ISABEL	27626 MESABE DR		MAGNOLIA	TX	77354-7123
T,EE	3	R33838	220	FINNERTY, ALANA M	22811 LAIN RD		SPRING	TX	77379-1851
R1	3	R161046	139	FISCHER, MELVIN E	27015 CHEROKEE LN		MAGNOLIA	TX	77354-4040
DD,BB,R2	3	R161139		FITCH, JESSE E	9502 LONGBOW CIR		MAGNOLIA	TX	77354-4015
R1	3	R161047	137,138	FOLGER, BOBBY & JEANNINE	27107 CHEROKEE LN		MAGNOLIA	TX	77354-3745
U	3	R521174	301	FONSECA, SYDNEY A & PABLO A FONSECA	9539 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
U	3	R521154	331	FUENTES, BRYAN S & CHERYL D & MITCHEL R FUENTES	9211 BETANCOURT CV		MAGNOLIA	TX	77354-7126
N,M,S	3	R123145		GAERTNER, DEAN & MARY BETH	27002 MESA VERDE DR		MAGNOLIA	TX	77354-4014
U	3	R521168	303	GARCIA, LAURA RAMIREZ	9406 CASTILLO CT		MAGNOLIA	TX	77354-7119
U	3	R521127		GARCIA, MARTIN J & CAROLINA B D GARCIA	9510 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
N	3	R161096		GARDNER, JASON & SHANNON	9403 NAVAJO RD		MAGNOLIA	TX	77354-3768
N	3	R161097		GARDNER, JASON & SHANNON	9403 NAVAJO RD		MAGNOLIA	TX	77354-3768
OO,FF,NN,MM2	3	R37623	12,16	GASKIN, KIRT LEE	27822 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3758
FF	3	R506995	279	GNAU, RACHEAL B	9809 GLEN BROOK LN		MAGNOLIA	TX	77354-7013
U	3	R521160	304,305	GNC INVESTMENTS LLC	2 KINGSCOTE WAY		SPRING	TX	77382-2703
R2	3	R161127		GOLDEN, CAROLE	9502 NAVAJO RD		MAGNOLIA	TX	77354-4061
FF	3	R541681		GONZALES, GINA Y	25038 LINDSEY LN		MAGNOLIA	TX	77354-5368
DD,Z,BB,AA,R2	3	R161138	110,115	GORCHOFF, STEVIE	9514 LONGBOW CIR		MAGNOLIA	TX	77354-4015
T,U,S	3	R123144	224,226	GOSS, SCOTT A & JACQUELINE T	27043 MESA VERDE DR		MAGNOLIA	TX	77354-4014
N	3	R161106	99,203	GRACEY, JOHNNY SR & MATALEA	27010 APACHE TRL		MAGNOLIA	TX	77354-3727
N	3	R161107		GRACEY, JOHNNY SR & MATALEA	27010 APACHE TRL		MAGNOLIA	TX	77354-3727
R1	3	R161057	166,167,171	HARWARD, JOHN MCKELL	27202 CHEROKEE LN		MAGNOLIA	TX	77354-3715
FF,DD,EE	3	R506946	200,274	HASKINS, JASON & FIONA	2308 HAGERMAN RD		CONROE	TX	77384-3547
FF,DD,EE	3	R506947		HASKINS, JASON & FIONA	2308 HAGERMAN RD		CONROE	TX	77384-3547
R1	3	R161044		HEIN, FILBERT G	27011 CHEROKEE LN		MAGNOLIA	TX	77354-4040
R1	3	R161045	135	HEIN, FILBERT G	27011 CHEROKEE LN		MAGNOLIA	TX	77354-4040
U	3	R521113	297	HUANG, JOHN	27623 BELLO BEND LN		MAGNOLIA	TX	77354-7122
U	3	R521180		IS ZEN CENTER	9550 CARRAWAY LN		MAGNOLIA	TX	77354-3739
FF	3	R541682		JACKSON, BRANNON & CAYCEE	25042 LINDSEY LN		MAGNOLIA	TX	77354-5368
FF	3	R541604	23	JNC DEVELOPMENT INC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541627		JNC DEVELOPMENT INC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
N,M,S	3	R33836	###########	JONES, RICHARD EARL &	DARLENE L	PO BOX 19	TOMBALL	TX	77377-0019
U	3	R521129		KB HOME LONE STAR INC	11314 RICHMOND AVE		HOUSTON	TX	77082-2616
U	3	R521128		KB HOME LONE STAR INC	11314 RICHMOND AVE		HOUSTON	TX	77082-2616
U	3	R521121	290	KB HOME LONE STAR INC	11314 RICHMOND AVE		HOUSTON	TX	77082-2616
U	3	R33788	219	KESTER, RICHARD A	9315 CARRAWAY LN		MAGNOLIA	TX	77354-4033
U	3	R521139	315,316	KHAN, MOHAMMED	27618 MESABE DR		MAGNOLIA	TX	77354-7123
Z,BB,AA,R2	3	R299234		KOSH, CASEY	75 W HORIZON RIDGE PL		SPRING	TX	77381-4786
U	3	R521143	319,320,321	LARA RODRIGUEZ, FELIPE A & ALEXIS N LUCKEY	27602 MESABE DR		MAGNOLIA	TX	77354-7123
U	3	R521112	298	LI, WAI M	27619 BELLO BEND LN		MAGNOLIA	TX	77354-7122
N	3	R161103	94	LIVANEC, NICK & STACY	27016 APACHE TRL		MAGNOLIA	TX	77354-3727
R2	3	R161126	112,114	LONGBOW LLC	27039 HUFSMITH CONROE RD		MAGNOLIA	TX	77354-3084
U	3	R521126	286	LOONEY, OTTO V & MARY C	9514 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
U	3	R521125	286	LOPEZ, JACOB W & NATALIA J	9518 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
R1	3	R161058	96,97,98,100	LORRAINE, RONALD L	27102 CHEROKEE LN		MAGNOLIA	TX	77354-3714
FF,DD,EE,BB	3	R506940	269	LUETKHOFF, CHRISTIAN B & KATHRIN	309 HORSEBACK HOLW		AUSTIN	TX	78732-2378
FF,DD,EE	3	R506941	269	LUETKHOFF, CHRISTIAN B & KATHRIN	309 HORSEBACK HOLW		AUSTIN	TX	78732-2378
T,U,S	3	R33852	351	M&T INTERESTS LLC	PO Box 1731		CYPRESS	TX	77410
U	3	R37505		MAGNOLIA ISD	PO BOX 138		MAGNOLIA	TX	77353-0138
U	3	R396480	315	MAGNOLIA ISD	PO BOX 138		MAGNOLIA	TX	77353-0138
N	3	R161095		MASON, JACK D & NANCY D	27210 APACHE TRL		MAGNOLIA	TX	77354-4028
FF	3	R506997	280,281	MCAMMOND, MARK & KELLY J	9801 GLEN BROOK LN		MAGNOLIA	TX	77354-7013
R1	3	R161048	246	MCCLANAHAN, CHRISTOPHER R & CHARISSA L	27149 CHEROKEE LN		MAGNOLIA	TX	77354-3745
R2	3	R161093	174	MCCUBBIN, TROY J	27219 APACHE TRL		MAGNOLIA	TX	77354-3723
N	3	R161101		MCGUIRE, KEVIN & SANTIAGO NAVEJAS	27202 APACHE TRL		MAGNOLIA	TX	77354-4028
U	3	R521145	322,323	MEDIRAGA LLC	9307 SANDOVAL CIR		MAGNOLIA	TX	77354-7120
T	3	R161145	214	MIERTSCHIN, MATTHEW E	142 PRUITT DR		LIVINGSTON	TX	77351-0540
T	3	R161129		MIERTSCHIN, SYLVIA A	27315 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-4057
X,Q	3	R161017	163,164,165	MILAM, LEE J	27118 S CREEK DR		MAGNOLIA	TX	77354-3747
U	3	R521132	309,310	MOHSIN, JAMIL C	19622 JUNIPER BREEZE LN		SPRING	TX	77379-1459
FF	3	R37488	19,24	MOORE, CURTIS L & NANCY	27802 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3758
FF,DD,EE,BB,AA,R2	3	R506935	264	MORRIS REVOCABLE TRUST	23688 NE 110TH PL		REDMOND	WA	98053-5736

DD,EE,BB,AA,R2	3	R506934	264	MORRIS REVOCABLE TRUST	23688 NE 110TH PL		REDMOND	WA	98053-5736
FF,DD,EE	3	R506912	276	MORRIS REVOCABLE TRUST	23688 NE 110TH PL		REDMOND	WA	98053-5736
FF,DD,EE,BB,AA,R2	3	R506936	266	MORRIS REVOCABLE TRUST	23688 NE 110TH PL		REDMOND	WA	98053-5736
FF,DD,EE,BB,AA,R2	3	R506937	266,267	MORRIS REVOCABLE TRUST	23688 NE 110TH PL		REDMOND	WA	98053-5736
T,U,S	3	R123141	225	MUELLER, ROBERT M & VALERY	27135 MESA VERDE DR		MAGNOLIA	TX	77354-4097
U	3	R521135	312,313	MUSE, NICHOLAS L	27634 MESABE DR		MAGNOLIA	TX	77354-7123
T	3	R161144	215,221	NIX, MICHAEL W & REBECCA J	27313 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-4057
FF,DD,EE	3	R506954	277	OAK LEGACY CAPITAL LLC	10054 MEADOW LAKE LN		HOUSTON	TX	77042-2916
FF	3	R506955	277	OAK LEGACY CAPITAL LLC	10054 MEADOW LAKE LN		HOUSTON	TX	77042-2916
U	3	R521141	317,318	OCAMPO, EMMET E	27610 MESABE DR		MAGNOLIA	TX	77354-7123
U	3	R521159	305	OKAZAKI INVESTMENTS LLC	9403 CASTILLO CT		MAGNOLIA	TX	77354-7119
FF	3	R506999	282,283	OLAOMOJU, OLUWATOBI T	25004 LINDSEY LN		MAGNOLIA	TX	77354-5368
N	3	R161108	48,55	OLVERA, DAVID L & SARAH	26918 APACHE TRL		MAGNOLIA	TX	77354-3726
U	3	R521157	304,305,307	ORNELAS, ALEC R & KIRSTEN M	9312 SANDOVAL CIR		MAGNOLIA	TX	77354-7120
U	3	R521117	293,294	ORR, REID M & BRODI L	9550 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
U	3	R521152	329,330	PATEL, BHARAT & PRAGNA PATEL	9203 BETANCOURT CV		MAGNOLIA	TX	77354-7126
U	3	R521170		PEDROZA, GABRIEL R & CAROLINA CIRILO	9523 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
X,Q	3	R161160	161	PFEIFER, KIMRA D	27314 N CREEK DR		MAGNOLIA	TX	77354-4045
T,DD,Z,EE,BB,AA,R2	3	R33863		POARCH/SWINBANK LLC	2141 PRESTON ST		RICHMOND	TX	77469-1418
R1,Z,BB,AA,R2	3	R33824		POARCH/SWINBANK LLC	2141 PRESTON ST		RICHMOND	TX	77469-1418
U	3	R521133	310,311	PRADO, CINTHIA J	8709 LOOKOUT PEAK LN		MAGNOLIA	TX	77354-4578
U	3	R521119	291	PRIETO, NEMECIO J & MAGLEDIS M PIRELA	9542 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
Z,X	3	R161164	118,120	PRINCIPLE HOME TEAM LLC	7941 KATY FWY	STE 527	HOUSTON	TX	77024-1930
R2	3	R161092	168,174	RAINS, MORRIS L & PATRICIA	27215 APACHE TRL		MAGNOLIA	TX	77354-3723
N,M,S	3	R33841		RENILLA, ANTONIO	18 E PALMER BND		SPRING	TX	77381-5406
R2	3	R161090	168	RHODES, ROBERT & DOROTHY	27207 APACHE TRL		MAGNOLIA	TX	77354-3723
N,M,S	3	R33781	207	RICHARD G CHOLAKIAN MANAGEMENT TRUST	7218 MOBUD DR		HOUSTON	TX	77074-3414
T	3	R33840	222	RICO, ISIDRO RUIZ	1307 BEECHWOOD DR		LEWISVILLE	TX	75067-3305
FF	3	R506996	278,279,280	RIPA, BRADLEY & MARYELLE	9805 GLEN BROOK LN		MAGNOLIA	TX	77354-7013
FF,T,DD,EE,BB,AA,R2	3	R507040	271,274	RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
FF	3	R507023		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
FF	3	R507041		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
FF	3	R507004		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
FF	3	R507019		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
FF	3	R507020		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534528		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534529		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534530		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534531		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534525		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534527		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534524		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534526		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534520		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534521		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534522		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534523		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
Z	3	R534653		RIVERWOOD DEVELOPMENT INC	1050 WALL ST W	STE 230	LYNDHURST	NJ	07071-3622
U	3	R521122	289	ROBERSON, JANIS E	9530 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
M	3	R33849		ROCHE, JOHN DAVID	26811 FM 2978 RD		MAGNOLIA	TX	77354-5162
T	3	R33839		ROSE, CARL	705 WHITNEY DR		MIDLOTHIAN	TX	76065-3693
U	3	R521158	305,306	SANCHEZ, JOHN A	9308 SANDOVAL CIR		MAGNOLIA	TX	77354-7120
DD,Z,BB,AA,R2	3	R506901	265,268	SANCHEZ, MARK A & CHERYL L	3336 MORNING VIEW TER		FREMONT	CA	94539-8075
DD,Z,BB,AA,R2	3	R506900	265	SANCHEZ, MARK A & CHERYL L	3336 MORNING VIEW TER		FREMONT	CA	94539-8075
FF	3	R507022	285	SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541689		SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541690	18	SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541691	18	SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541692		SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541688		SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541693		SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
FF	3	R541687		SARATOGA HOMES OF TEXAS HOUSTON LLC	12300 MONTWOOD DR		EL PASO	TX	79928-5653
N	3	R161104	95	SCOTT, SUSAN BERNICE	27018 APACHE TRL		MAGNOLIA	TX	77354-3727
M	3	R264923	37	SEALE, MARSHA K	14918 FALLING CREEK DR		HOUSTON	TX	77068
U	3	R521146	322,323	SERNA, RAMIRO	9311 SANDOVAL CIR		MAGNOLIA	TX	77354-7120
U	3	R521140	316,317	SFR JV HD TL BORROWER B LLC	15771 RED HILL AVE	STE 100	TUSTIN	CA	92780-7333
FF,DD,Z,EE,BB,AA,R2	3	R506902	268	SHEHAJ, ERION	1102 BEKONSCOT DR		SPRING	TX	77379-5603
FF,DD,EE,BB,AA,R2	3	R506903	268	SHEHAJ, ERION	1102 BEKONSCOT DR		SPRING	TX	77379-5603
U	3	R521169	303	SLAUGHTER, LEAH M & SHANNON B	9402 CASTILLO CT		MAGNOLIA	TX	77354-7119
U	3	R521173	301,302	SMITH, GAVIN T	9535 LOUIS PHILLIP ST		MAGNOLIA	TX	77354
Z,BB,AA,R2	3	R507039		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
Z	3	R534652		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
Z,X	3	R534658		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
Z	3	R534654		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
Z,X	3	R534655		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
Z	3	R534656		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
FF	3	R541712		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
U	3	R521172	302	STAMPER, RONELL A & CHARVETTE R	9531 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
FF,DD,EE	3	R506949		STREETER, MARK & ANNE PHAN	1010 HOWARD LN		BELLAIRE	TX	77401-2702
FF,DD,EE	3	R506948		STREETER, MARK & ANNE PHAN	1010 HOWARD LN		BELLAIRE	TX	77401-2702
T,U,S	3	R33786		STREIDEL/KRUEGER FARM LLC	9921 KLEPPEL RD		TOMBALL	TX	77375-3201
T	3	R33785	216,217,223	STREIDEL/KRUEGER FARM LLC	9921 KLEPPEL RD		TOMBALL	TX	77375-3201
FF,DD,EE	3	R506944	274	SWAN, JEFFREY T & DANA K	6191 POINT LOMA DR		HUNTINGTON BEACH	CA	92647-6117
FF,DD,EE	3	R506945	274	SWAN, JEFFREY T & DANA K	6191 POINT LOMA DR		HUNTINGTON BEACH	CA	92647-6117
Q	3	R161022	149	SYKES, SHERRY & LIN	27006 S CREEK DR		MAGNOLIA	TX	77354-4044
FF,DD,EE	3	R506910	275	TALLY, TROY	27810 EASTONWOOD CT		KATY	TX	77494-2789
FF,DD,EE	3	R506951		TALLY, TROY	27810 EASTONWOOD CT		KATY	TX	77494-2789
FF,DD,EE	3	R506950	198	TALLY, TROY	27810 EASTONWOOD CT		KATY	TX	77494-2789
FF,DD,EE	3	R506911	275,276	TALLY, TROY	27810 EASTONWOOD CT		KATY	TX	77494-2789
U	3	R521118	292	TANAY, FATMA E	268 CONNEMARA DR		THE WOODLANDS	TX	77382-1747
Q	3	R161021		TARR, DEBRA	27006 S CREEK DR		MAGNOLIA	TX	77354-4044
R1,R2	3	R161050	170	TERRELL, CHRISTAPHER & HEATHER	27211 CHEROKEE LN		MAGNOLIA	TX	77354-3746
Z,X	3	R161163	117	THYMES, JUDITH A REED	24 N TIMBER TOP DR		SPRING	TX	77380-1445
T,DD,EE,BB	3	R33864	111	TORRES, LEONOR A	27435 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3760
U	3	R521156	333	TRAN, HUONG M	9219 BETANCOURT CV		MAGNOLIA	TX	77354-7126
FF	3	R507000	283	TRAN, RAO & CUNG N	25008 LINDSEY LN		MAGNOLIA	TX	77354-5368
Z,AA	3	R37637	106,113,199	TYSON, LISA EUGERE	27549 CARRAWAY LN		MAGNOLIA	TX	77354-3792
U	3	R521116	294	VANDAGRIFF, DOROTHEA	9554 LOUIS PHILLIP ST		MAGNOLIA	TX	77354-7121
FF	3	R506998	178,282	VASQUEZ, SANTIAGO JR & ARIANA C	25000 LINDSEY LN		MAGNOLIA	TX	77354-5368
X,Q	3	R161014	157	VELAZQUEZ, JASON & JENNIFER M ARCE	27218 S CREEK DR		MAGNOLIA	TX	77354-3749
U	3	R521155	331,332,333	VITALE, CIARA A	9215 BETANCOURT CV		MAGNOLIA	TX	77354-7126
R1	3	R161060	57,92,234	WALDRUP, MATOPHAS	27002 CHEROKEE LN		MAGNOLIA	TX	77354-3713
U	3	R521144	319,321,322	WANG, MENG	9303 SANDOVAL CIR		MAGNOLIA	TX	77354-7120
R1	3	R161049	175	WAUTELET, JOHN DEE & SUSAN	27203 CHEROKEE LN		MAGNOLIA	TX	77354-3746
FF	3	R37496		WILKINSON, JORGE M S	11310 S COUNTRY CLUB GREEN DR		TOMBALL	TX	77375-7082
R1,R2	3	R161055	169,172	WILSON, BENTON W	PO BOX 53524		LAFAYETTE	LA	70505-3524
U	3	R521114	296	YING, WEN KAI & CUI QU	27627 BELLO BEND LN		MAGNOLIA	TX	77354-7122
N,M,T,U,S	3	R33784		ZANDUR REAL ESTATE INC	700 MILAM ST	STE 1300	HOUSTON	TX	77002-2736
FF	3	R541685		ZEPEDA, SABRINA & DAKOTA WEIBLE	25054 LINDSEY LN		MAGNOLIA	TX	77354-5368
C	4	R46669	32,344	BERRIOS, FRANCISCO E & SANDY R	1420 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3804
C	4	R46670		BRIZUELA, GERARDO & ALEJANDRA GONZALEZ	CALLE ZANAHORIA NO 1	COL SAN MANUEL, CD DEL CARMEN			
WW	4	R409066		BUTTS, KEVIN	31242 QUINN RD		TOMBALL	TX	77375-2903
C	4	R46636	26	CLACK, BRIAN L & KIMBERLY S	1544 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R46681	29,30	CLACK, LINDA A	1536 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R46682	29	CLACK, W CURTIS	1536 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A2,XX,A1,WW	4	R39794		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
B	4	R46683		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
B,A2,XX,A1,WW	4	R46638		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003

B,E,A2,D	4	R46640		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A1	4	R46695		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
B	4	R396721		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R438989		DECKER PRAIRIE PROPERTIES LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A2,XX,A1,WW	4	R48452		DECKER PRAIRIE PROPERTIES, LLC	31830 STATE HIGHWAY 249		PINEHURST	TX	77362-3804
I	4	R527480	259	DELACERDA, MICHAEL D	9917 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
I	4	R527478	259	DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
I	4	R527482		DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
I	4	R527485		DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
I	4	R527486	258	DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
B,A1	4	R46633		DRAKE, J ANDREW & JEANNE	810 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3977
B	4	R463050	227	FARR, BRANDON & CAITLIN	1538 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R46671		FKH LIVING TRUST	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
I	4	R527483		GOMEZ, RENE P	9929 MOUNTAIN LION LN		MAGNOLIA	TX	77354
WW	4	R39796		GOODWIN LIVING TR	4913 BISSONNET ST		BELLAIRE	TX	77401-4076
A2,XX,A1,WW	4	R39795		GOODWIN LIVING TR	4913 BISSONNET ST		BELLAIRE	TX	77401-4076
WW	4	R367507		GRIFFIN, A ALAN	13603 LOST CREEK RD		TOMBALL	TX	77375-2936
WW	4	R33245		HARRIS COUNTY FLOOD CONTROL DISTRICT	9900 NORTHWEST FWY		HOUSTON	TX	77092-8601
C	4	R46657		HARRIS, JOHN S & PATRICIA A	118 DEL MONTE PINES DR		MONTGOMERY	TX	77316-1458
B,F2,A2,D,XX	4	R511118	228,229	HICKS, FRANK M	1550 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A1	4	R250604		HICKS, FRANK M & KAREN	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
B,A2	4	R232161		HICKS, KIRBY W & JULIE K	350 WATER PARK RD		WIMBERLEY	TX	78676-5869
C	4	R321048	27	KLOVENSKI, FRANK A & JUDIE	1500 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
I	4	R527490		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527497		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527492		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527493		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527494		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527495		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527489		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527491		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527498		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
I	4	R527484		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
C	4	R46627		MOORE, JOSEPH F & VIANI C	1122 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3979
F2,XX	4	R33829		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
B,E,C,A2,D	4	R46637		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
F2	4	R33830		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
E	4	R251684		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
E	4	R245699	128	NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
C	4	R251683	28	NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
C	4	R281437	128	NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
C	4	R46687		NEIDIGK, DALE	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
I	4	R527488	258	NELSON, TYLER	9949 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
I	4	R527481		NOSKRENT, KERRI A	9921 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
I	4	R527487	258	Not Shown	Not Shown	Not Shown	Not Shown	Not Shown	Not Shown
I	4	R527499		NUWAY HOMES TEXAS LP	1314 N DURHAM DR	STE 200	HOUSTON	TX	77008-3734
I	4	R527496		NUWAY HOMES TEXAS LP	1314 N DURHAM DR	STE 200	HOUSTON	TX	77008-3734
I	4	R527479	259	TOWNSEND, MICHAEL & ANGELA	9913 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
B	4	R447452	31	VALENZUELA, BILL JR & LAWANNA	1530 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A1	4	R250605		VC REALTY LLC	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R46674		VC REALTY LLC SERIES B	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
C	4	R46675		VC REALTY LLC SERIES C	1534 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-4003
A1,WW	4	R48453		WALKER, MICHEL G	526 RUBY LN		MAGNOLIA	TX	77354-3907
B,C	4	R46630		WAMPLER, NORMA B	1006 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3906
C	4	R46626		WILBURN, JACK	1026 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3906
M	5	R33831	338	26318 DOBBIN HUFFSMITH REVOCABLE LIVING TRUST	26203 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3741
M,F2,H,G,L	5	R33818		BACHMEYER, DENNIS	9725 SEMINOLE ST		MAGNOLIA	TX	77354-3769
L	5	R161123		BACHMEYER, DENNIS	9725 SEMINOLE ST		MAGNOLIA	TX	77354-3769
F2,H,G	5	R161214		BACHMEYER, DENNIS	9725 SEMINOLE ST		MAGNOLIA	TX	77354-3769
L	5	R366398		BACHMEYER, DENNIS	9725 SEMINOLE ST		MAGNOLIA	TX	77354-3769
H,I,J,Q	5	R161027	132,133	BETTS, HOWELL DON	26808 S CREEK DR		MAGNOLIA	TX	77354-3748
M	5	R33869		BOYD, THOMAS J JR & JULIE J	9216 ROSIE LN		MAGNOLIA	TX	77354-3703
M	5	R33855	65	BROCK, ROBERT LAMAR	26415 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-4038
M	5	R33812	##########	CAMO RESCUE	1085 HIGH MEADOW RANCH DR		MAGNOLIA	TX	77355-4698
K	5	R161068	##########	CHAVEZ, LISA M & SCOTTY R SR	26710 CHEROKEE LN		MAGNOLIA	TX	77354-3716
R1,J,K	5	R161063	44	CHRISTENSEN, JESSICA & TIMOTHY MCEVOY	26902 CHEROKEE LN		MAGNOLIA	TX	77354-3712
N,L,K	5	R161117		COHN, SAMUEL MOYER LIVING TR	% ESTELLA MEDEARIS	9602 SEMINOLE ST	MAGNOLIA	TX	77354-3785
N,L,K	5	R161116		COHN, SAMUEL MOYER LIVING TR	% ESTELLA MEDEARIS	9602 SEMINOLE ST	MAGNOLIA	TX	77354-3785
N,L,K	5	R161118		COHN, SAMUEL MOYER LIVING TR	% ESTELLA MEDEARIS	9602 SEMINOLE ST	MAGNOLIA	TX	77354-3785
K	5	R161031		COLBURN, NATHANIEL LEE	9722 SEMINOLE ST		MAGNOLIA	TX	77354-4070
R1,J,K	5	R161067	53	DELORME, RONALD W	26806 CHEROKEE LN		MAGNOLIA	TX	77354-4019
I	5	R527474	260	DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
I	5	R527473		DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
M	5	R33810	244	DOG GONE FUN AGILITY LLC	26310 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4034
M	5	R33865	76	DUNCAN, MICHAEL V & BELINDA	26403 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-4037
N,L,K	5	R161120	51,54	FRITSCHE, TIMOTHY P & HOLLY	9703 SEMINOLE ST		MAGNOLIA	TX	77354-3769
N	5	R161112	42,43,47	GOLDSTEIN, JEREMY	7055 HOLLISTER ST	APT 1015	HOUSTON	TX	77040-5390
N	5	R161111		GOLDSTEIN, JEREMY	7055 HOLLISTER ST	APT 1015	HOUSTON	TX	77040-5390
K	5	R161069		GONZALEZ, AVELINO & ELIZABETH	9436 HUFSMITH RD		TOMBALL	TX	77375-2620
M	5	R33868	67	HARDEE, DOAK A & MELISSA K	26040 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-4002
N	5	R161113	56	HARRIS, LEE & KYANN	26714 APACHE TRL		MAGNOLIA	TX	77354-3724
M	5	R33853	69	HOESER, ROY LEE JR & JOHNNI L	26522 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3778
H	5	R161206		HOFFART, TOMMY R & MARIANNE	26410 S CREEK DR		MAGNOLIA	TX	77354-4043
H	5	R161206		HOFFART, TOMMY R & MARIANNE	26410 S CREEK DR		MAGNOLIA	TX	77354-4043
H	5	R161125	124	HOFFART, TOMMY R & MARIANNE	26410 S CREEK DR		MAGNOLIA	TX	77354-4043
N	5	R296135		HUT INVESTMENTS LLC	9431 ROSIE LN	# 100	MAGNOLIA	TX	77354-3706
M	5	R33862	35	HUTSON, RODNEY	9431 ROSIE LN STE 100		MAGNOLIA	TX	77354-3706
M,G,L	5	R363547		HUTSON, RODNEY	9431 ROSIE LN STE 100		MAGNOLIA	TX	77354-3706
M	5	R33870		HUTSON, RODNEY K & PHYLLIS	9431 ROSIE LN		MAGNOLIA	TX	77354-3706
M	5	R33860		HUTSON, RODNEY K & PHYLLIS	9431 ROSIE LN		MAGNOLIA	TX	77354-3706
M	5	R33871		HUTSON, RODNEY K & PHYLLIS	9431 ROSIE LN		MAGNOLIA	TX	77354-3706
M	5	R33814	34	HUTSON, RODNEY K & PHYLLIS	9431 ROSIE LN		MAGNOLIA	TX	77354-3706
M	5	R33817	59	HUTSON, RODNEY K & PHYLLIS	9431 ROSIE LN		MAGNOLIA	TX	77354-3706
M	5	R33820		HUTSON, RODNEY K MDPA	PENSION TRUST	9431 ROSIE LN STE 100	MAGNOLIA	TX	77354-3706
N,M,H,G,L,K	5	R33821		HUTSON, RODNEY K MDPA	PENSION TRUST	9431 ROSIE LN STE 100	MAGNOLIA	TX	77354-3706
N,M,G,L,K	5	R210910		HUTSON, RODNEY K MDPA	PENSION TRUST	9431 ROSIE LN STE 100	MAGNOLIA	TX	77354-3706
R1,J,K	5	R161037		JACKSON, JAN H &	WILLIAM K SANDSTEDT SR	26819 CHEROKEE LN	MAGNOLIA	TX	77354-3744
R1,J,K	5	R161038	136	JACKSON, JAN H &	WILLIAM K SANDSTEDT SR	26819 CHEROKEE LN	MAGNOLIA	TX	77354-3744
R1,J,K	5	R161039		JACKSON, JAN H &	WILLIAM K SANDSTEDT SR	26819 CHEROKEE LN	MAGNOLIA	TX	77354-3744
F2,H,G	5	R161213		JACKSON, MICHAEL & BRIAN CONES	22217 TOMBALL CEMETERY RD		TOMBALL	TX	77377-3723
K	5	R161033	64	JOIA, BOBBY	26707 CHEROKEE LN		MAGNOLIA	TX	77354-3717
H	5	R161030		JOIA, BOBBY	26707 CHEROKEE LN		MAGNOLIA	TX	77354-3717
H	5	R161029	349	JOIA, PHILLIP M	26700 S CREEK DR		MAGNOLIA	TX	77354-3775
M	5	R33876		KLAD INVESTMENTS LLC	45664 FM 1774		PLANTERSVILLE	TX	77363-8415
M	5	R33845	74,340,341	LINDQUIST, DANIEL & MONICA	26203 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3741
M	5	R33813		LUCKY ACRE PROPERTIES LLC	12124 ZION RD		TOMBALL	TX	77375-3012
M	5	R33809		LUCKY ACRE PROPERTIES LLC	12124 ZION RD		TOMBALL	TX	77375-3012
M	5	R401597	73,77,235,236	MAM BLOSSOM RV LLC	26405E DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4037
R1,J,K	5	R161035		MAROSTICA, MICHELLE & SHANNON PERRY	26711 CHEROKEE LN		MAGNOLIA	TX	77354-3717
R1,J,K	5	R161066	62,93	MATUTE, FIDEL & ANA	26810 CHEROKEE LN		MAGNOLIA	TX	77354-4019
N	5	R161115		MEDEARIS, ESTELLA R TRUSTEE	9602 SEMINOLE ST		MAGNOLIA	TX	77354-3785
K	5	R161071	45	MEDEARIS, ESTELLA RUIZ REV TR	9602 SEMINOLE ST		MAGNOLIA	TX	77354-3785
F2,H,G	5	R161210		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
H	5	R161219		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
H	5	R161207		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
H	5	R161208		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
F2,H,G	5	R161209		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
H	5	R161220		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823

M	5	R33867	68	PARK, KATHRYN	26418 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4035
M	5	R33843	70	PARK, KATHRYN L & NICK JONES	26414 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4035
K	5	R161034		PERRY, SHANNON M	26711 CHEROKEE LN		MAGNOLIA	TX	77354-3717
N,L,K	5	R161122		ROSARIO, SANTOS	42045 MYSTICAL BEND RD		MAGNOLIA	TX	77354-7127
M	5	R33878		RR BERGERON COMMERCIAL PROPERTY LP	9527 STONEBRIDGE LAKE DR		TOMBALL	TX	77375-3292
H,I,J,Q	5	R161026	146,148	SALVATO, KATHLEEN S	26906 S CREEK DR		MAGNOLIA	TX	77354-3776
R1,J,K	5	R161036		SILVA, RACHEL	6318 NACHITA DR		HOUSTON	TX	77049-3604
M	5	R33842	72,343	STEELE, ZACHARY A	26307 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3740
H	5	R161028	129	TERRONEZ, ALEX & TRACY	21311 SNAPPY CREEK LN		SPRING	TX	77388-3974
N	5	R161114		TREJO, DANIEL	1114 SOREN LN		HOUSTON	TX	77076-4445
N	5	R526638		TREJO, ROY	1305 SOREN LN		HOUSTON	TX	77076-4448
M	5	R33856	66	TURBEVILLE, FORREST W	26523 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3742
R1,J,K	5	R161064	50	URBAN, WILLIAM	26814 CHEROKEE LN		MAGNOLIA	TX	77354-4019
H	5	R161124		UVALLE, FRANK GLEN & CRISTINA DOMINGUEZ	9803 SEMINOLE ST		MAGNOLIA	TX	77354-4072
M	5	R33847		WEATHERBY, ANGELA LEABO	9120 ROSIE LN		MAGNOLIA	TX	77354-3702
M	5	R33815	33	WILSON, DEVA RAYANN	26203 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3741
N,M	5	R218076	71	YATES, GLENN P & WENDY E	9218 ROSIE LN		MAGNOLIA	TX	77354-3703
I	<Null>	R527547		DEVON STREET HOMES LP	4545 POST OAK PLACE DR	STE 203	HOUSTON	TX	77027-3195
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I	<Null>	R527518	261,262	HANLEY, BROOKE D	27091 GREY FOX RUN		MAGNOLIA	TX	77354-7269
I	<Null>	R527549		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
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I	<Null>	R527569		NUWAY HOMES TEXAS LP	1314 N DURHAM DR	STE 200	HOUSTON	TX	77008-3734
I	<Null>	R527519	261	SHELLEY, JODY R	27087 GREY FOX RUN		MAGNOLIA	TX	77354
KK	1,2	R238173		ABBOTT, FREDERICK C	27945 HARDIN STORE RD		MAGNOLIA	TX	77354-5506
GG,JJ,II,HH,KK	1,2	R37469	87	BLACK, SUZANNE E	4 WILDERNESS LN		MAGNOLIA	TX	77354
GG,JJ,KK	1,2	R380696	89	BRANNON, JASON	11500 SUNSET AVE		MAGNOLIA	TX	77354-5362
GG,JJ,KK	1,2	R37475	176	BUKALA, WALTER JR REVOCABLE LIVING TRUST	27707 HARDIN STORE RD		MAGNOLIA	TX	77354-6429
KK	1,2	R218484		CALOOY, SONYA R	27725 HARDIN STORE RD		MAGNOLIA	TX	77354-6429
KK	1,2	R225135		CHESTNUT HILL FARM REVOCABLE TRUST	JAMES M & LORI E DAY	16 RIATA DR	MAGNOLIA	TX	77354-6481
KK	1,2	R270892		CHESTNUT HILL FARM REVOCABLE TRUST	JAMES M & LORI E DAY	16 RIATA DR	MAGNOLIA	TX	77354-6481
GG,JJ,KK	1,2	R218485		GELARDI REVOCABLE TRUST	27655 HARDIN STORE RD		MAGNOLIA	TX	77354-6428
KK	1,2	R37476		HERNANDEZ, JOSE C	27720 HARDIN STORE RD		MAGNOLIA	TX	77354-2905
LL,KK	1,2	R211628		HUBER, RICHARD & VICTORIA	27814 HARDIN STORE RD		MAGNOLIA	TX	77354-6499
KK	1,2	R37477	88	PRATT, GLENN A	DONNA D JOHNSON LIFE ESTATE	27718 HARDIN STORE RD	MAGNOLIA	TX	77354-2905
GG,JJ,KK	1,2	R243483		PRATT, GLENN A	DONNA D JOHNSON LIFE ESTATE	27718 HARDIN STORE RD	MAGNOLIA	TX	77354-2905
GG,JJ,KK	1,2	R238379		RUEDA, FERNANDO J	27703 HARDIN STORE RD		MAGNOLIA	TX	77354-6429
JJ,KK	1,2	R380697		SCHIERBAUM FAMILY LIVING TRUST	11472 SUNSET AVE		MAGNOLIA	TX	77354-6776
GG,JJ,KK	1,2	R327990		STREHLOW, STACY L	27702 HARDIN STORE RD		MAGNOLIA	TX	77354-2905
GG	1,2	R225502		WALLACE, KIMBERLY	11 LOS ENCINOS CT		MAGNOLIA	TX	77354-6486
GG,JJ,KK	1,2	R380708		WOODFOREST ESTATES COMMUNITY	ASSOCIATION INC	11504 SUNSET AVE	MAGNOLIA	TX	77354-5362
LL,II,MM1	1,2,3	R380702	250	BENOIT, JUSTIN & EVELIA	11062 SUNSET AVE		MAGNOLIA	TX	77354-5360
LL	1,2,3	R218083		BLACKLOCK, DAVID & WANDA G	21623 SLIPPERY CREEK LN		SPRING	TX	77388-3940
LL	1,2,3	R37662		BRANDT, ANDRE C	%JEAN CATCHINGS	25681 CATHY DR	HOCKLEY	TX	77447
LL,II,MM1	1,2,3	R380703	251	FLORES, SAMUEL	11000 SUNSET AVE		MAGNOLIA	TX	77354-5360
LL,TT,KK	1,2,3	R211629		NGUYEN, JAMES & TIFFANY	16327 LAKEWOOD FIELDS DR		TOMBALL	TX	77377-8787
QQ,OO,FF,LL,SS,NN,MM2,II,MM	1,3	R37621	5,11						
LL,SS	1,3	R211631	190,191	BEDDINGFIELD, DONNA	28207 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-3767
QQ,LL,SS,NN	1,3	R37617		BLACKLOCK, DAVID & WANDA G	21623 SLIPPERY CREEK LN		SPRING	TX	77388-3940
SS,VV	1,3	R211655		BRASWELL, JEROME C & LEAH H	28220 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4056
SS,VV	1,3	R211657		BRASWELL, JEROME C & LEAH H	28220 DOBBIN HUFFSMITH RD		MAGNOLIA	TX	77354-4056
QQ,OO,VV,U,PP,RR	1,3	R37507	13	BURNETTE, BLAKE CHARLES	9437 SHADY LN		MAGNOLIA	TX	77354-3736
VV,U,PP,RR	1,3	R37509	7,14	DISBROW, DANIEL E	9335 SHADY LN		MAGNOLIA	TX	77354-3734
QQ,OO,VV,U,PP,RR	1,3	R37508		HEMBY, BILLY EDWARD	14127 POLLUX CT		TOMBALL	TX	77375-2303
OO,FF,VV,T,U,DD,PP,RR,EE	1,3	R37503	1,2,3,4,17,20,2	IS ZEN CENTER	9550 CARRAWAY LN		MAGNOLIA	TX	77354-3739
QQ,OO,SS,VV,NN,PP,RR	1,3	R37627	6,8	KINCEL, SHIRLEY J	28150 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3782
n/a	1,3	R37728		LANGHAMMER, MIKE & BEATRICE	9238 SHADY LN		MAGNOLIA	TX	77354-4101
QQ,LL,SS,NN	1,3	R37614		PARKER, THOMAS W & CYNTHIA A	28115 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3766
LL,TT,KK	1,3	R211630	187,189,249	RAMARSR INC	20023 CYPRESSWOOD CRK		SPRING	TX	77373-3283
QQ,OO,VV,U,PP,RR	1,3	R37704		ROPER, DONALD E	ATTORNEY AT LAW	PO BOX 572967	HOUSTON	TX	77257-2967
QQ,OO,VV,U,PP,RR	1,3	R37704		ROPER, PATRICIA GUARIN	PO BOX 888		TOMBALL	TX	77377-0888
QQ,OO,VV,PP,RR	1,3	R37645	13	STALL, TAHNEE	506 LONG SHADOWS CIR		SPRING	TX	77388-6122
QQ,LL,SS,NN	1,3	R37616	179	THOMAS, SCOTT & MELISSA ANN	40414 FREEMONT RD		MAGNOLIA	TX	77354-4428
QQ,OO,FF,SS,VV,NN,PP,RR,MM2	1,3	R37626		TJB PROPERTIES II LLC	145 FAIRWATER DR		MONTGOMERY	TX	77356-5594
QQ,OO,FF,SS,NN,MM2	1,3	R37624	15	TRADEWIND HOMES LLC & KG COMPANY & SERVICE LLC	10900 NORTHWEST FWY	STE 129	HOUSTON	TX	77092-7317
Z,X	2,3	R161158	122						
Q	2,3	R503360		282 MILL CREEK FARM LTD	PO BOX 131719		SPRING	TX	77393-1719
Q	2,3	R503361		282 MILL CREEK FARM LTD	PO BOX 131719		SPRING	TX	77393-1719
Q	2,3	R161001		BANKY, CHRISTINE E	27011 SOUTH CREEK DR		MAGNOLIA	TX	77354-3751
Q	2,3	R161002	144,145	BANKY, CHRISTINE E	27011 SOUTH CREEK DR		MAGNOLIA	TX	77354-3751
Q	2,3	R160996	156	BEATY, RONNIE DALE	27203 S CREEK DR		MAGNOLIA	TX	77354-3750
X,Q	2,3	R161147	159	BROWN, DAVID & VALERIE	27307 N CREEK DR		MAGNOLIA	TX	77354-4052
X,Q	2,3	R160994	162	DELORME, CONNIE SUE	27207 S CREEK DR		MAGNOLIA	TX	77354-3750
Q	2,3	R161000		DIVIN, LORETTA	13810 COUSHATTA CT		CYPRESS	TX	77429-4096
X	2,3	R161154	119	KUNTZ, GREGORY P & TERESA A V EYSINGA	27403 N CREEK DR		MAGNOLIA	TX	77354-4053
Q	2,3	R160999		MILL CREEK SOUTH DEVELOPMENT LTD	PO BOX 131719		SPRING	TX	77393-1719
Q	2,3	R160998	160	MORENO, BARTOLO S & PAULA T	27111 S CREEK DR		MAGNOLIA	TX	77354-4051
LL,JJ,II,HH,MM1	2,3	R37483		NICHOLS, JENNIFER L TR	1905 ASHLAND AVE		FORT WORTH	TX	76107-3853
Z,X	2,3	R161156	116	SIMS, HAROLD D	27411 N CREEK DR		MAGNOLIA	TX	77354-4053
X,Q	2,3	R160993	158	SOUZA, CRISTIANNE & NATHAN	27215 S CREEK DR		MAGNOLIA	TX	77354-3750
Z,X	2,3	R225626	121	STRACK, TERRY F & THERESA	9903 CADDO TRL		MAGNOLIA	TX	77354-4098
LL,II,MM1	2,3	R380704	39,41	WALKER, WESLEY	11063 SUNSET AVE		MAGNOLIA	TX	77354-5361
II	2,3	R380705	40	WRIGHT, DAVID & MONIQUE	11125 SUNSET AVE		MAGNOLIA	TX	77354-5365
Q	2,3,5	R161004	143,153	KELLY, MICHAEL & CONNIE O	26911 S CREEK DR		MAGNOLIA	TX	77354-3752
C	2,4	R46643		EILAND, NANCY MAY	9727 BRIAR FOREST DR		HOUSTON	TX	77042-2503
B,F2,E,C,A2,I,P,O,D,XX	2,4	R40545		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
E,C,I,P,O	2,4	R46642		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
C	2,4	R46645		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
I	2,4,5	R527580		SOUTHEAST REGIONAL MANAGEMENT DISTRICT	1980 POST OAK BLVD	STE 1380	HOUSTON	TX	77056-3970
N	3,5	R161110	60	BLACK, CHARLES A & PATRICIA F	26910 APACHE TRL		MAGNOLIA	TX	77354-3726
N	3,5	R161109	46,52	BLACK, CHARLES A & PATRICIA F	26910 APACHE TRL		MAGNOLIA	TX	77354-3726
N,M,S	3,5	R33822	201,204,206	KERN, KEITH R	27009 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3743
M	3,5	R33872	38	MILLER, ANDREA LYNN	26642 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3807
Q	3,5	R161023	147,155	MURPHY, THOMAS	26914 S CREEK DR		MAGNOLIA	TX	77354-3752
M	3,5	R33850	36	PERRARD, GARY W & KAREN S	26615 DOBBIN HUFSMITH RD		MAGNOLIA	TX	77354-3808
R1	3,5	R161062	58,61,63	TOWNSEND, CHARLES	26910 CHEROKEE LN		MAGNOLIA	TX	77354-3712
R1,J,K	3,5	R161061	58,234	TOWNSEND, CHARLES	26910 CHEROKEE LN		MAGNOLIA	TX	77354-3712
R1,J,K	3,5	R161040	142	WILKERSON, JEFFREY S & LIMIN	26907 CHEROKEE LN		MAGNOLIA	TX	77354-5934
F2,H,G	4,5	R161221		BACHMEYER, DENNIS	9725 SEMINOLE ST		MAGNOLIA	TX	77354-3769
H,I,J,Q	4,5	R161006	151	BARNETT, ELVIN R & JONETTA L	26811 S CREEK DR		MAGNOLIA	TX	77354-3753
H,I,J,Q	4,5	R161008	130,131	BROWN, WAYNE C & SOPHAL	26715 S CREEK DR		MAGNOLIA	TX	77354-3754
H	4,5	R161009		BROWN, WAYNE C & SOPHAL	26715 S CREEK DR		MAGNOLIA	TX	77354-3754
F2,H	4,5	R161223		BYRON O IRWIN LIVING TRUST	19610 WIED RD		SPRING	TX	77388-4483
I	4,5	R527476		COLE, PRESTON H & TABITHA R	9901 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
H	4,5	R161013	127	DURNERIN, V M	9823 SEMINOLE ST		MAGNOLIA	TX	77354-4073
H	4,5	R161010	134	ELLIS, THOMAS D	26623 S CREEK DR		MAGNOLIA	TX	77354-3755
H	4,5	R161012	125	ESPINOZA, JULIO	26611 S CREEK DR		MAGNOLIA	TX	77354-3755
F2	4,5	R161211		HERRERA, ANDRES	9805 SHERYL CT		SPRING	TX	77379-8426
H	4,5	R161216	123,126,230	HESSER, BRETT E ESTATE OF	26415 S CREEK DR		MAGNOLIA	TX	77354-4050
H	4,5	R161011		LEE, TANYA	7302 FLINTROCK HOLLOW TRL		RICHMOND	TX	77407-2440
H,I,J,Q	4,5	R161005		LUIS, STEPHANIE ET AL	26915 S CREEK DR		MAGNOLIA	TX	77354-3752
H	4,5	R161217		MARQUEZ, CARLOS	12706 BOUDREAUX RD	LOT 30	TOMBALL	TX	77375-7301
F2	4,5	R161212		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
F2	4,5	R161228		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
H	4,5	R161224		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823

H	4,5	R161218		MONTGOMERY COUNTY	400 N SAN JACINTO ST		CONROE	TX	77301-2823
I	4,5	R527477		MOSHE BINYAMINOV, FRANCISCO & TOMASA CORTEZ	9905 MOUNTAIN LION LN		MAGNOLIA	TX	77354-7281
I	4,5	R296183		NEIDIGK RANCH LTD	1543 VIRGIE COMMUNITY RD		MAGNOLIA	TX	77354-3810
H,I,J,Q	4,5	R161007	350	SHERMAN, SHELLIE ANN & NANCY ELLEN JOHNSON	26807 S CREEK DR		MAGNOLIA	TX	77354-3753
I	4,5	R527475	260	VINES, HANNAH E	27082 GREY FOX RUN		MAGNOLIA	TX	77354