

**Cost Per Customer Calculation For Natural Gas Main
Shorewood Dr-Avon**

Homes Signing up For Natural Gas	Required Footage	Main Cost (Footage X \$3)	Extra Charges (i.e. special permits, directional boring)	Total Costs	Credit per Home (Homes X \$450)	Total Investment (Costs - Credits)	Estimated Per Home Investment
1	4,600	\$13,800	\$6,260	\$20,060	\$450	\$19,610	\$19,610
2	4,600	\$13,800	\$6,260	\$20,060	\$900	\$19,160	\$9,580
3	4,600	\$13,800	\$6,260	\$20,060	\$1,350	\$18,710	\$6,237
4	4,600	\$13,800	\$6,260	\$20,060	\$1,800	\$18,260	\$4,565
5	4,600	\$13,800	\$6,260	\$20,060	\$2,250	\$17,810	\$3,562
6	4,600	\$13,800	\$6,260	\$20,060	\$2,700	\$17,360	\$2,893
7	4,600	\$13,800	\$6,260	\$20,060	\$3,150	\$16,910	\$2,416
8	4,600	\$13,800	\$6,260	\$20,060	\$3,600	\$16,460	\$2,058
9	4,600	\$13,800	\$6,260	\$20,060	\$4,050	\$16,010	\$1,779
10	4,600	\$13,800	\$6,260	\$20,060	\$4,500	\$15,560	\$1,556
11	4,600	\$13,800	\$6,260	\$20,060	\$4,950	\$15,110	\$1,374
12	4,600	\$13,800	\$6,260	\$20,060	\$5,400	\$14,660	\$1,222
13	4,600	\$13,800	\$6,260	\$20,060	\$5,850	\$14,210	\$1,093
14	4,600	\$13,800	\$6,260	\$20,060	\$6,300	\$13,760	\$983
15	4,600	\$13,800	\$6,260	\$20,060	\$6,750	\$13,310	\$887
16	4,600	\$13,800	\$6,260	\$20,060	\$7,200	\$12,860	\$804
17	4,600	\$13,800	\$6,260	\$20,060	\$7,650	\$12,410	\$730
18	4,600	\$13,800	\$6,260	\$20,060	\$8,100	\$11,960	\$664
19	4,600	\$13,800	\$6,260	\$20,060	\$8,550	\$11,510	\$606
20	4,600	\$13,800	\$6,260	\$20,060	\$9,000	\$11,060	\$553
21	4,600	\$13,800	\$6,260	\$20,060	\$9,450	\$10,610	\$505
22	4,600	\$13,800	\$6,260	\$20,060	\$9,900	\$10,160	\$462
23	4,600	\$13,800	\$6,260	\$20,060	\$10,350	\$9,710	\$422
24	4,600	\$13,800	\$6,260	\$20,060	\$10,800	\$9,260	\$386
25	4,600	\$13,800	\$6,260	\$20,060	\$11,250	\$8,810	\$352
26	4,600	\$13,800	\$6,260	\$20,060	\$11,700	\$8,360	\$322
27	4,600	\$13,800	\$6,260	\$20,060	\$12,150	\$7,910	\$293
28	4,600	\$13,800	\$6,260	\$20,060	\$12,600	\$7,460	\$266
29	4,600	\$13,800	\$6,260	\$20,060	\$13,050	\$7,010	\$242
30	4,600	\$13,800	\$6,260	\$20,060	\$13,500	\$6,560	\$219
31	4,600	\$13,800	\$6,260	\$20,060	\$13,950	\$6,110	\$197
32	4,600	\$13,800	\$6,260	\$20,060	\$14,400	\$5,660	\$177
33	4,600	\$13,800	\$6,260	\$20,060	\$14,850	\$5,210	\$158
34	4,600	\$13,800	\$6,260	\$20,060	\$15,300	\$4,760	\$140
35	4,600	\$13,800	\$6,260	\$20,060	\$15,750	\$4,310	\$123
36	4,600	\$13,800	\$6,260	\$20,060	\$16,200	\$3,860	\$107

Target

Total

Conversion Cost Calculations - Propane to Natural Gas

Customer Name: John Doe
Address: 123 XYZ ST NE, AVON, MN
Phone: 612-123-1234

Natural Gas Main Cost

Number of Homes	36		
Required Footage	4,600	Available Credit Per Home	\$450
Subtotal Main Cost (Footage x \$3.00)	\$13,800	Credit Per Total Homes Connected	\$16,200
Est. Storm Water Pollution Plan Cost (SWPPP)	\$4,500	Commercial Credit	\$0
Est. Abnormal Construction Costs	\$1,760	Total Credit	\$16,200
Total Main Pipeline Cost	\$20,060	Net Investment/Cost (Main Cost - Credit)	\$3,860
Estimated Main Pipeline Investment Cost Per Home			\$107

Natural Gas Service line Cost

CenterPoint Energy will cover the first 75 feet of Service line cost if the home uses natural gas as the primary source for space heating. (footage based on actual install, but you can get an idea of costs yourself)			
Length of Service line from property line meter location (in Feet)	80	Cost per foot if Service line exceed 75ft	\$4
Estimated Additional Service line Cost			\$20

Appliances Conversion Cost

Contact heating/plumbing contractor of your choice for cost estimates to convert or replace gas appliances			
Furnace or Boiler (Estimated)	\$300	Dryer	\$0
Water Heater (Can not Convert)	\$0	Fireplace	\$0
Range/Cook top/Oven	\$0	Other - additional gas piping	\$0
Estimated Appliances Conversion Cost			\$300

Total Front Cost to Customer	\$427
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SAVINGS WITH NATURAL GAS

Annual Usage of Propane (gallons)	1,000	Annual Natural Gas Need (Therms)	961
Propane Price* (\$/gallon)	\$1.80	Natural Gas Price* (\$/Therm or \$/CCF)	\$0.80
Additional Propane Delivery Charges		Customer Basic Charge	\$114
Annual Cost with Propane	\$1,800	Annual Cost with Natural Gas	\$883
Annual Savings with Natural Gas			\$917.20

* Propane and Natural Gas prices may vary.

Simple Payback on Annual Savings on Cost to customer (year)	0.47
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