

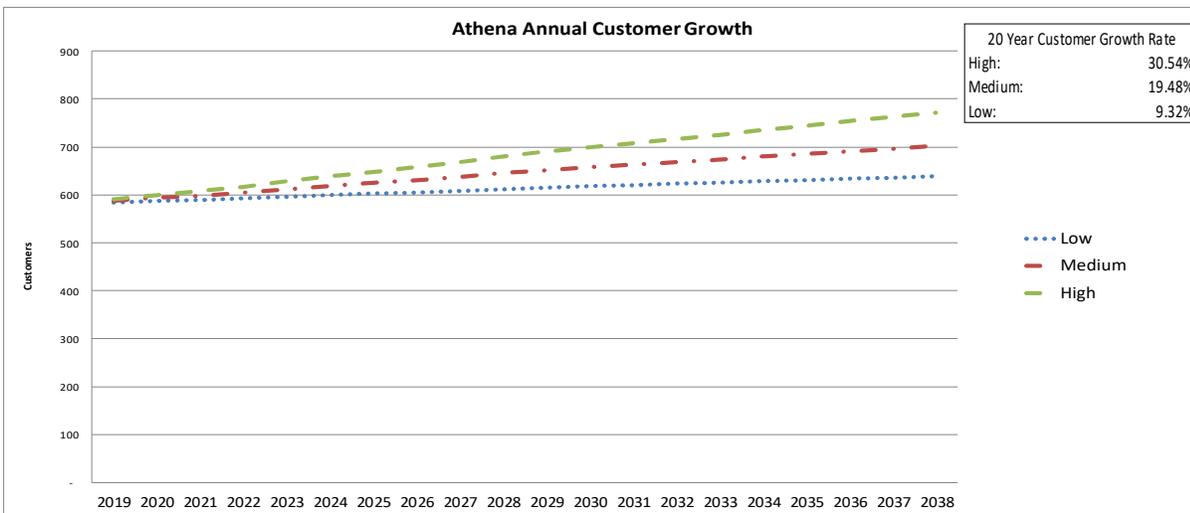
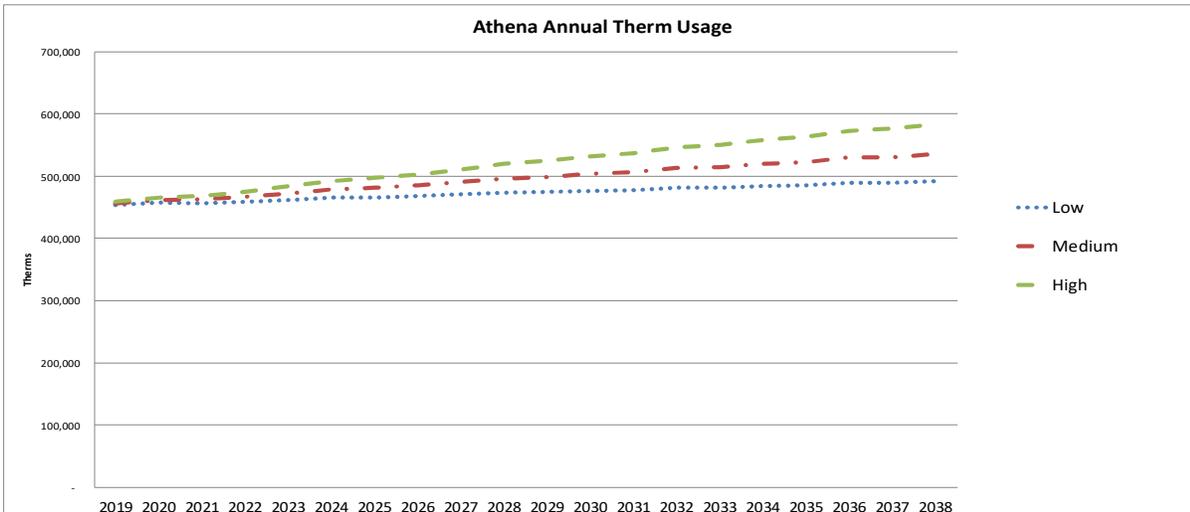
Appendix B

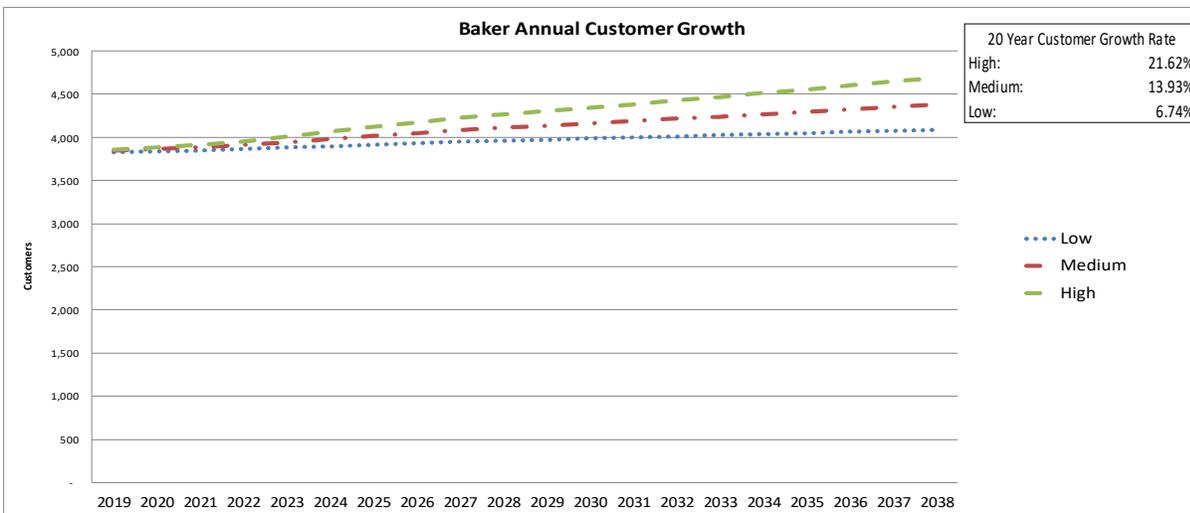
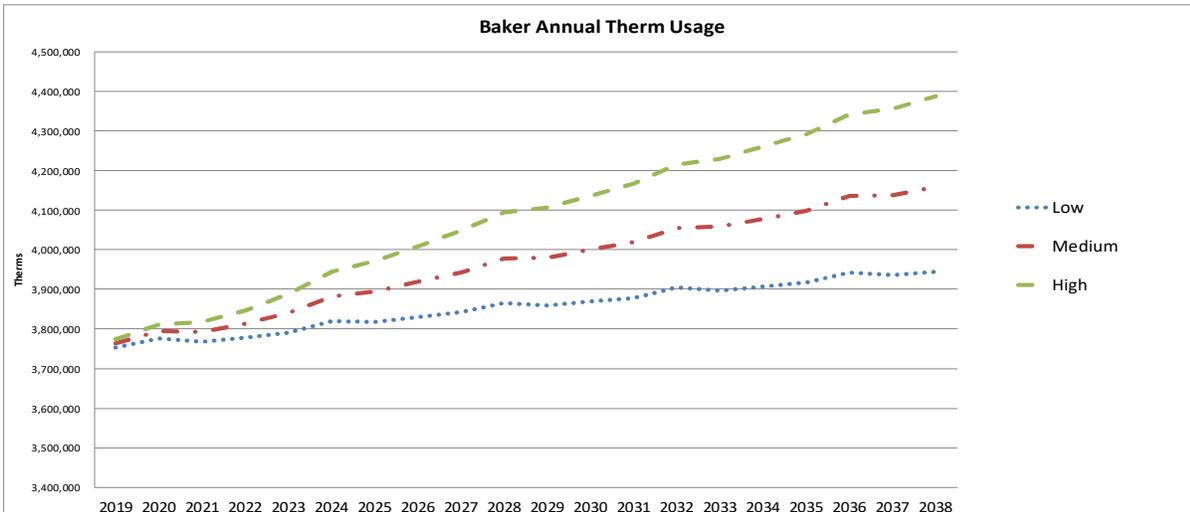
Demand Forecast

Draft 2018 WA IRP

Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

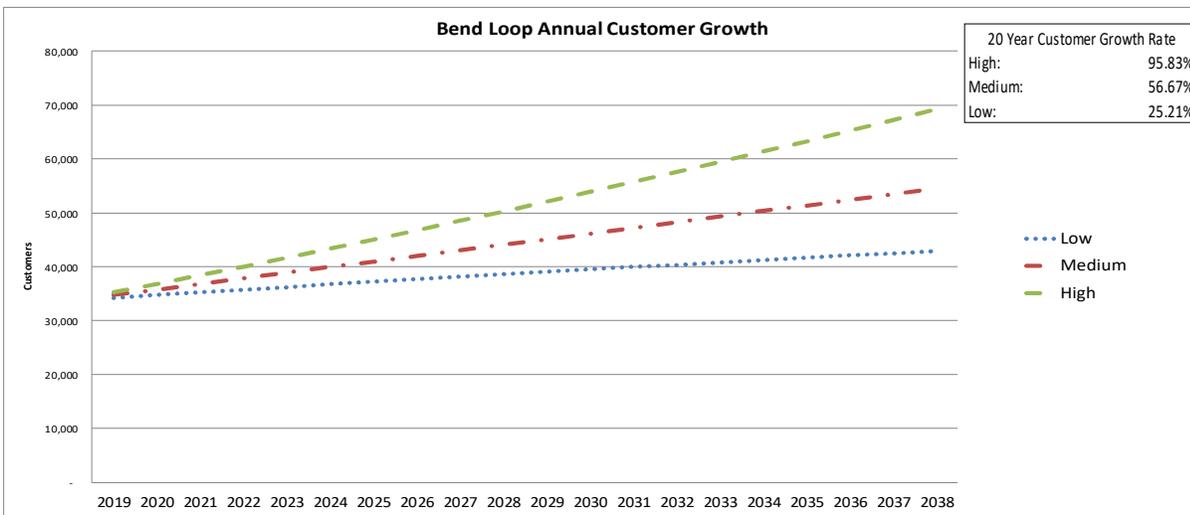
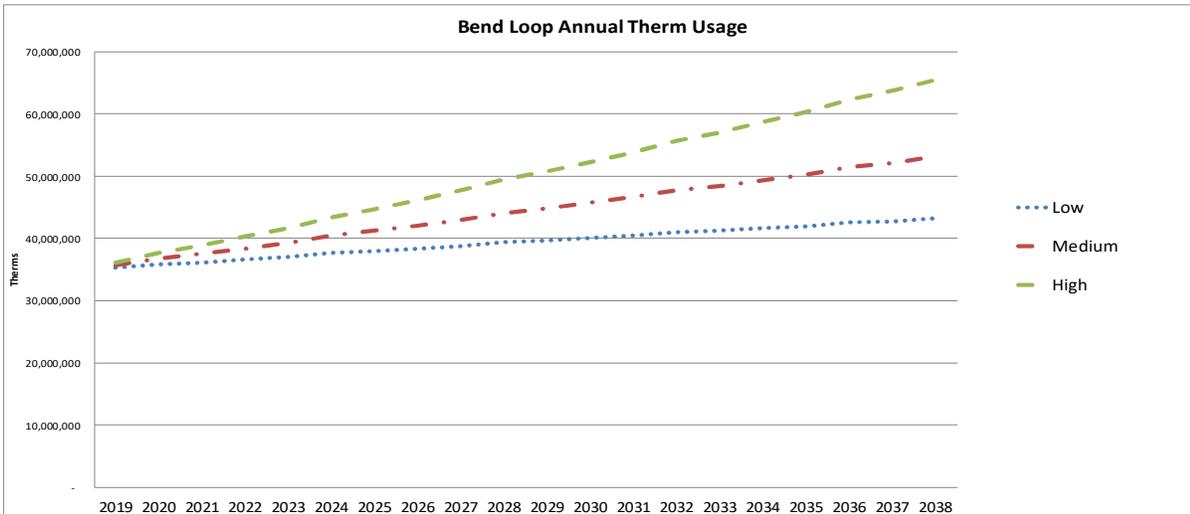
Athena Annual Requirements (Therms) and Annual Change table. Includes sub-tables for Peak Day - Baseline, Therms Usage by Class, and Customer Count Forecast. Data spans years 2019-2038 across Low, Medium, and High demand scenarios.

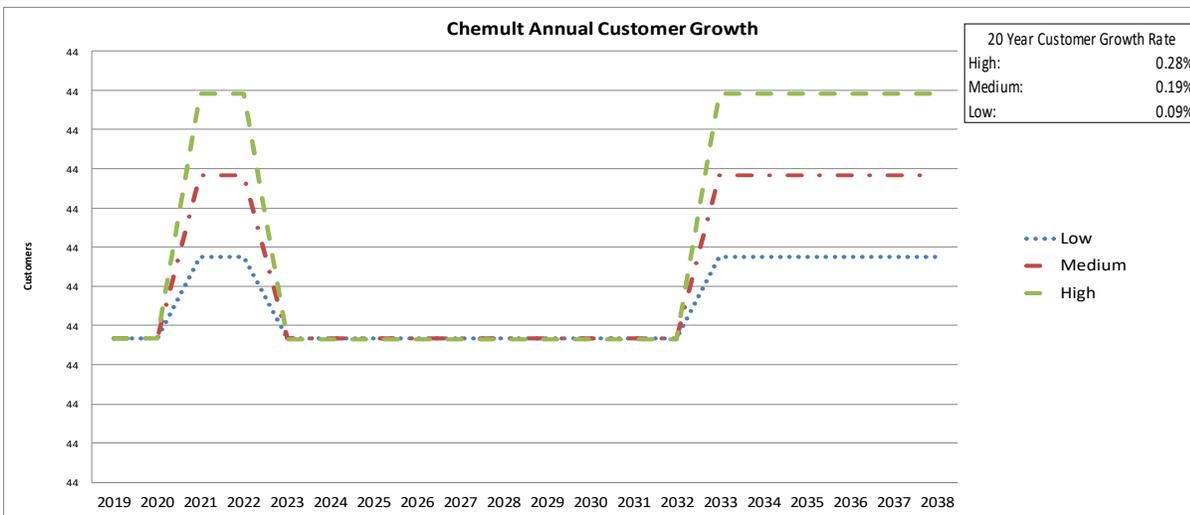
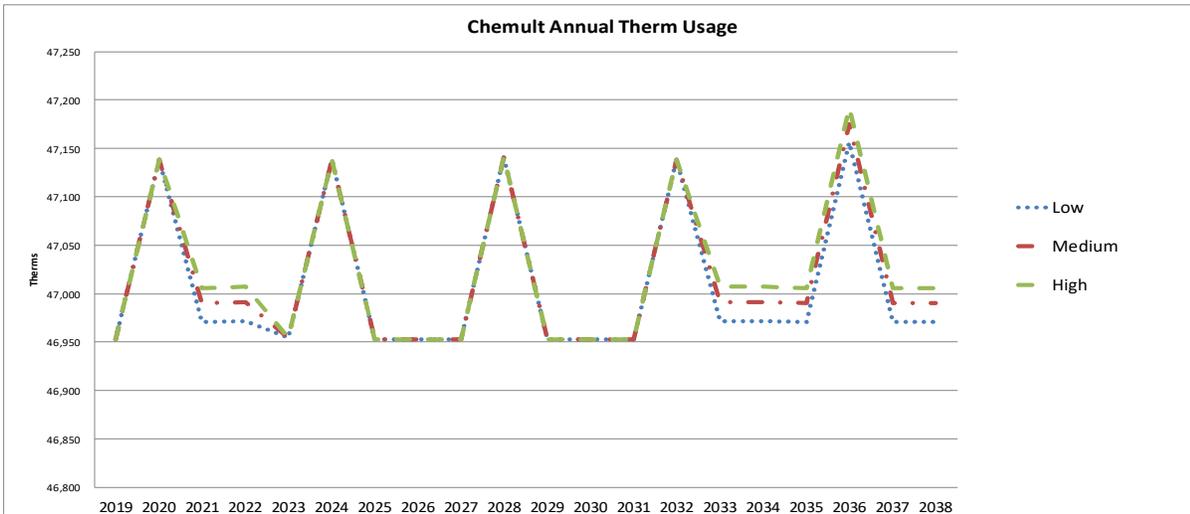


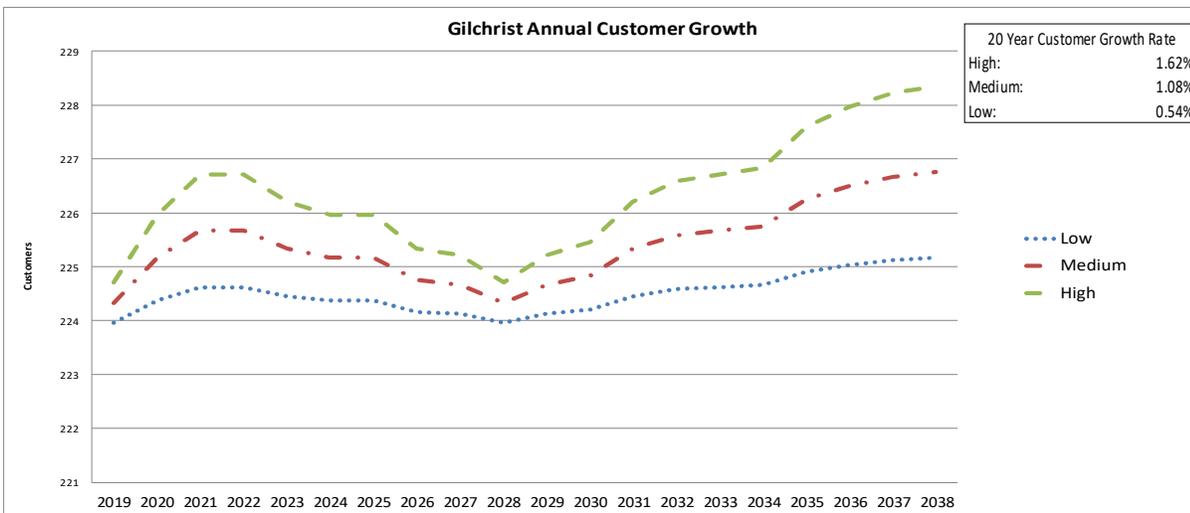
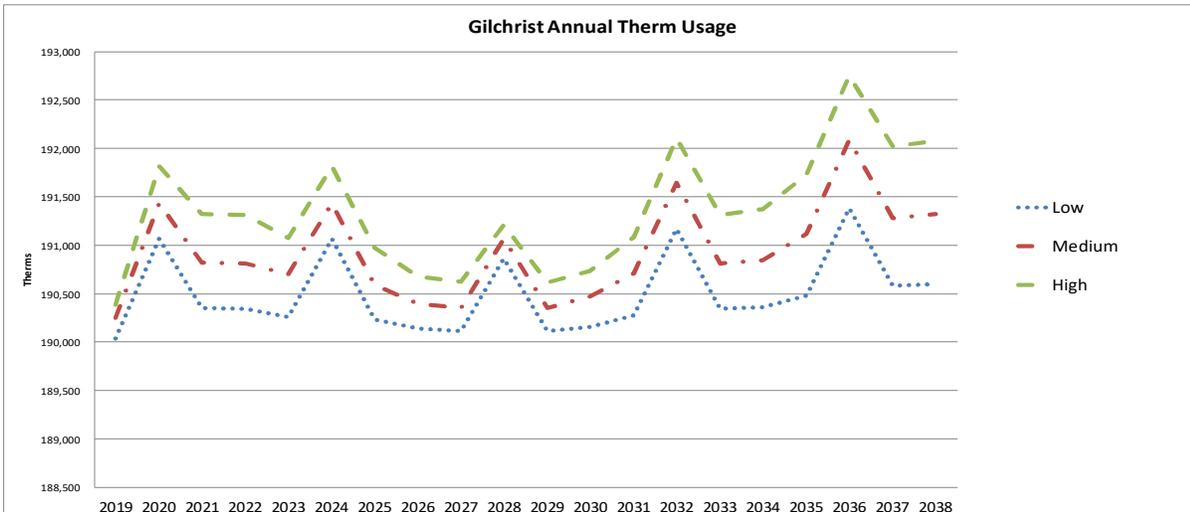


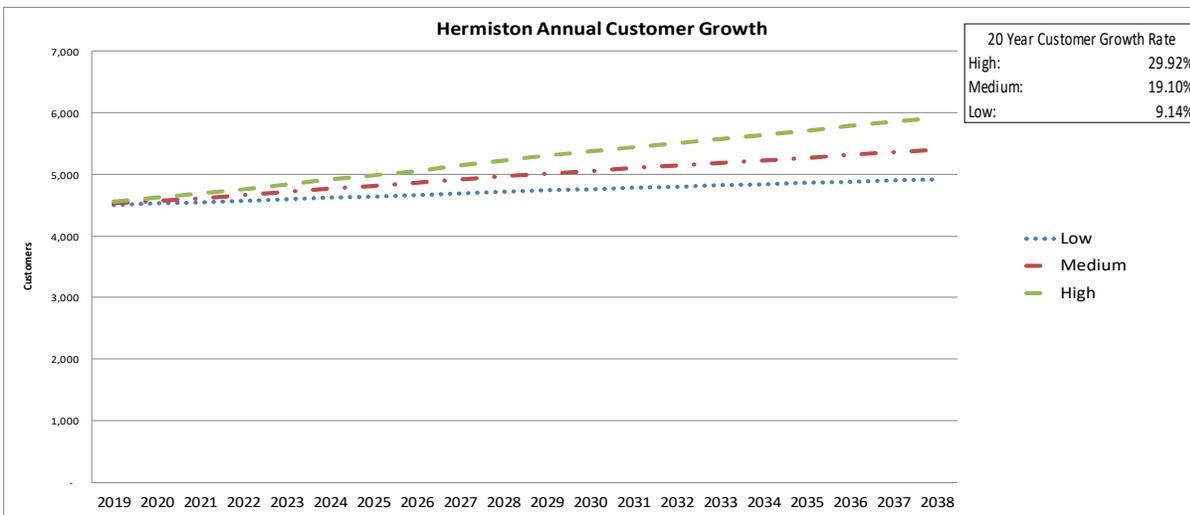
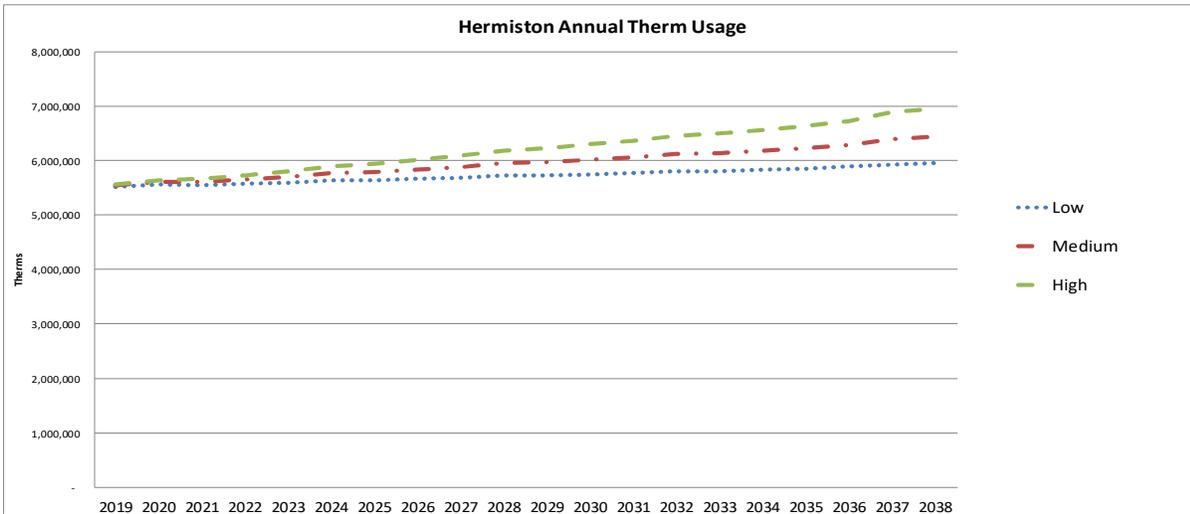
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

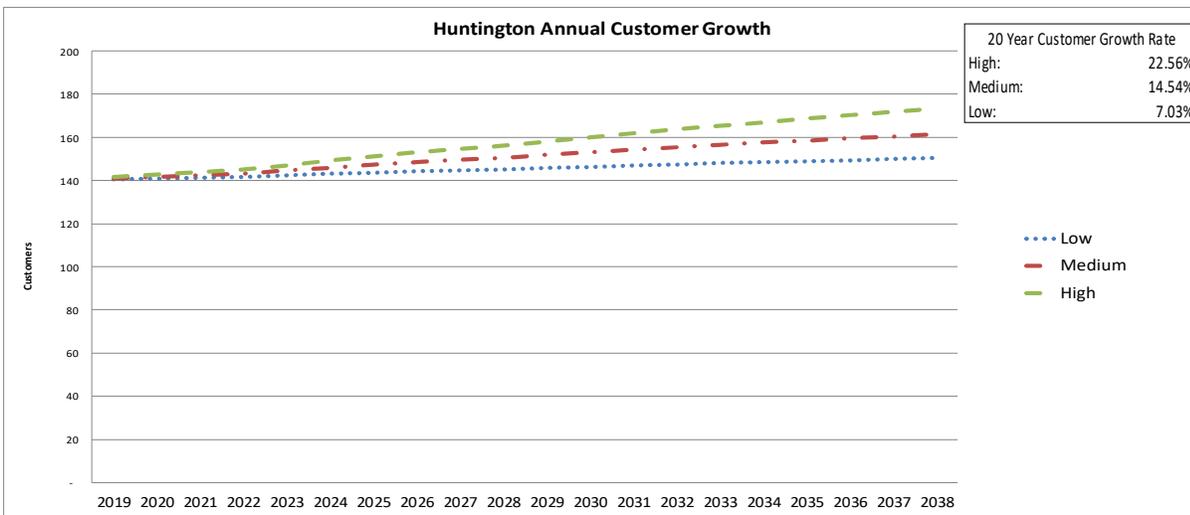
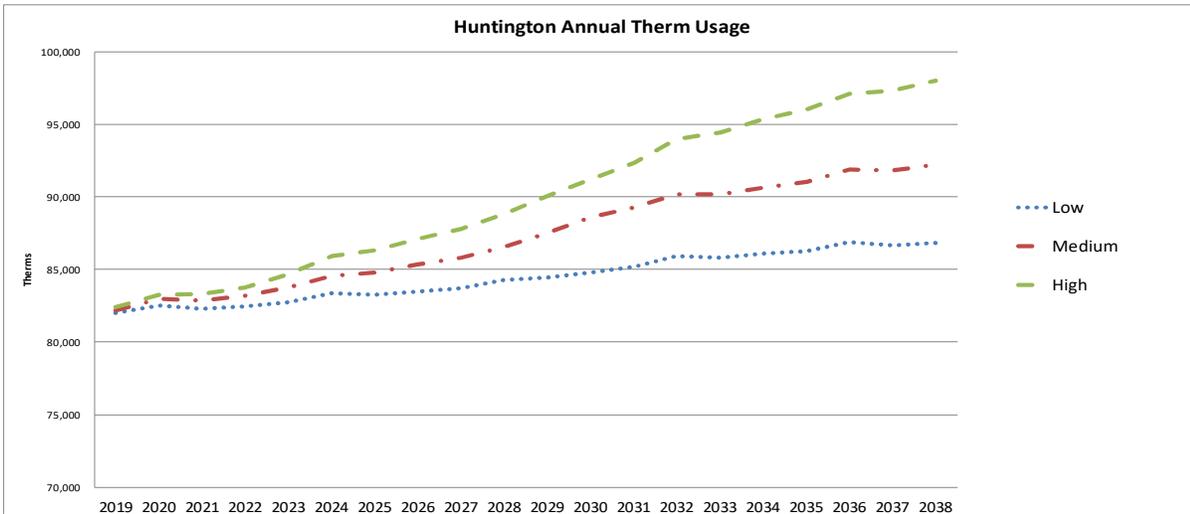
Table with multiple sections: Bend Loop (Annual Requirements, Annual Change, Peak Day - Baseload), Terms Usage by Class, and Customer Count Forecast. Each section contains columns for Low, Medium, and High demand scenarios across various years (2019-2038).

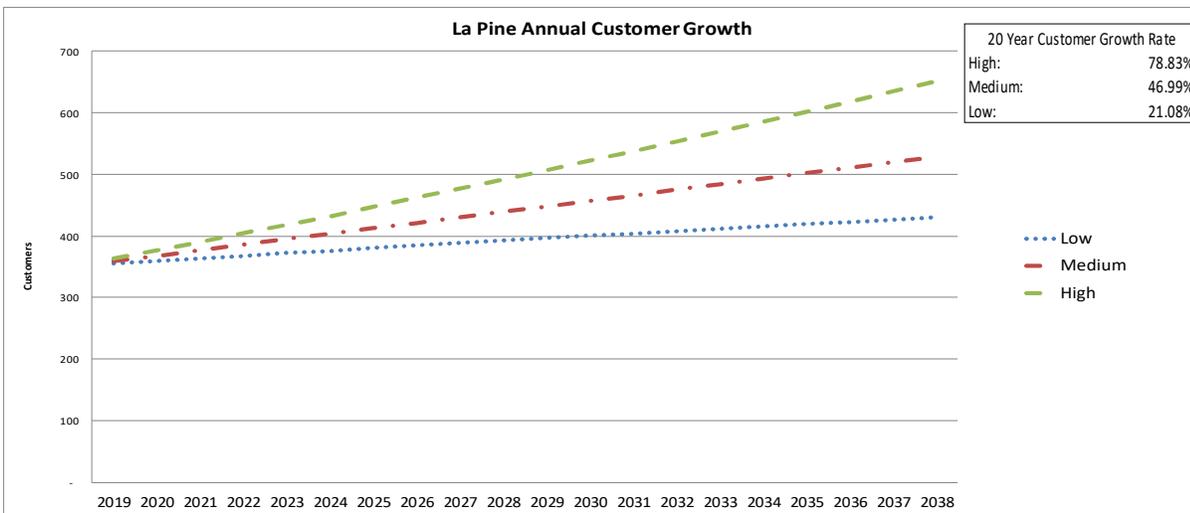
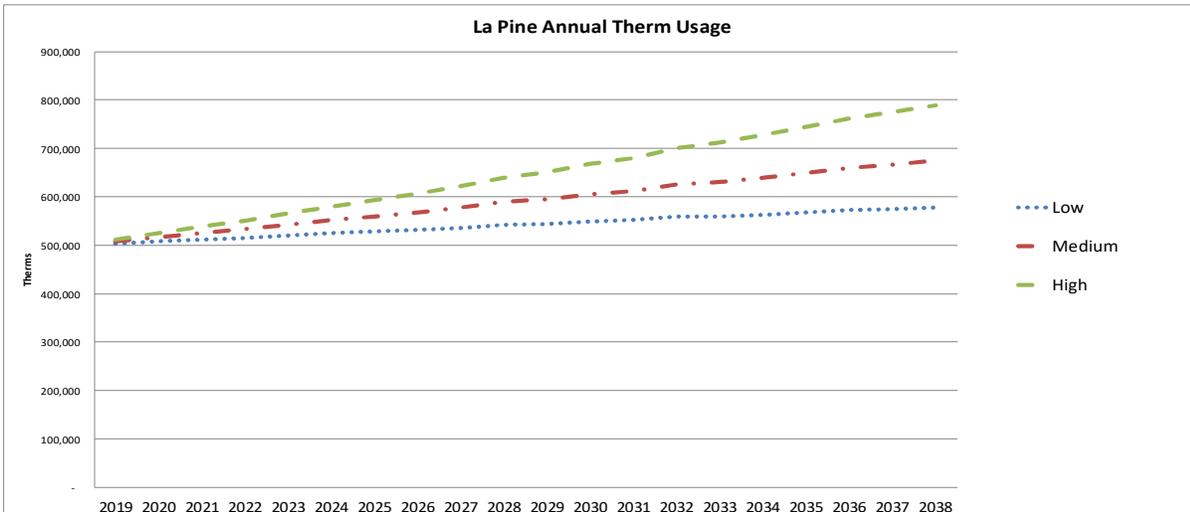


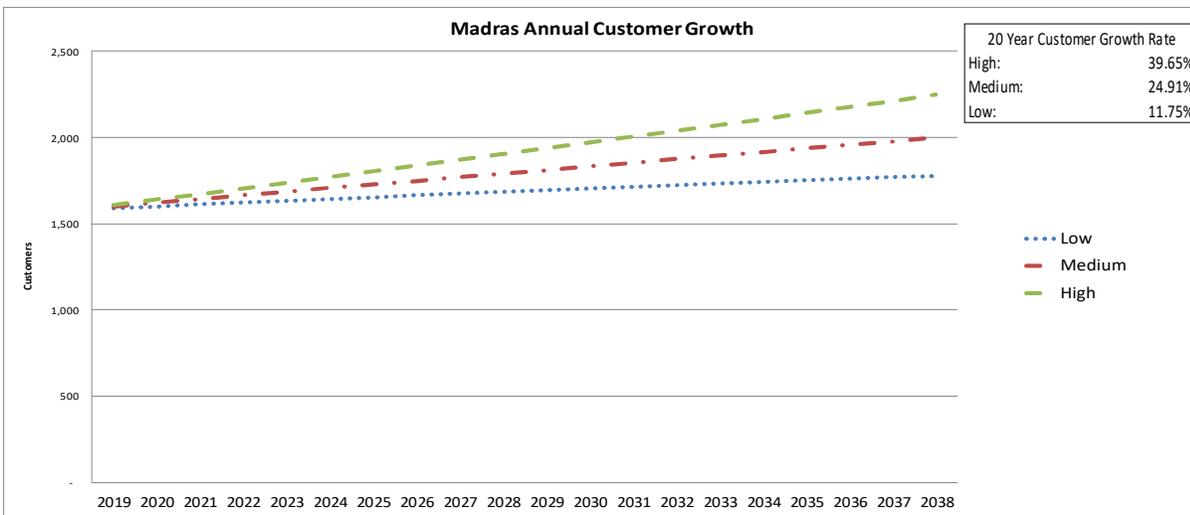
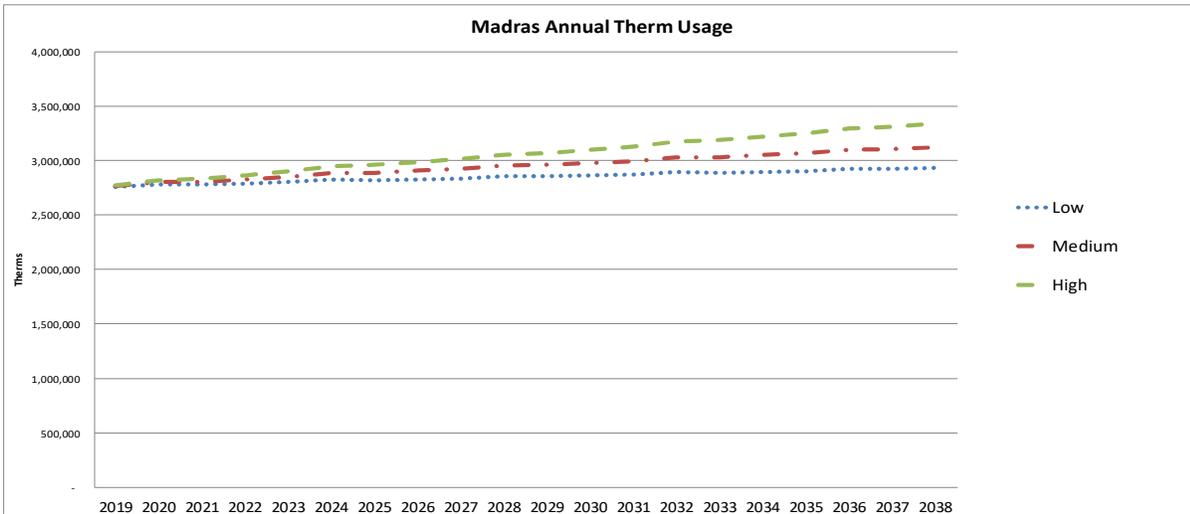












Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

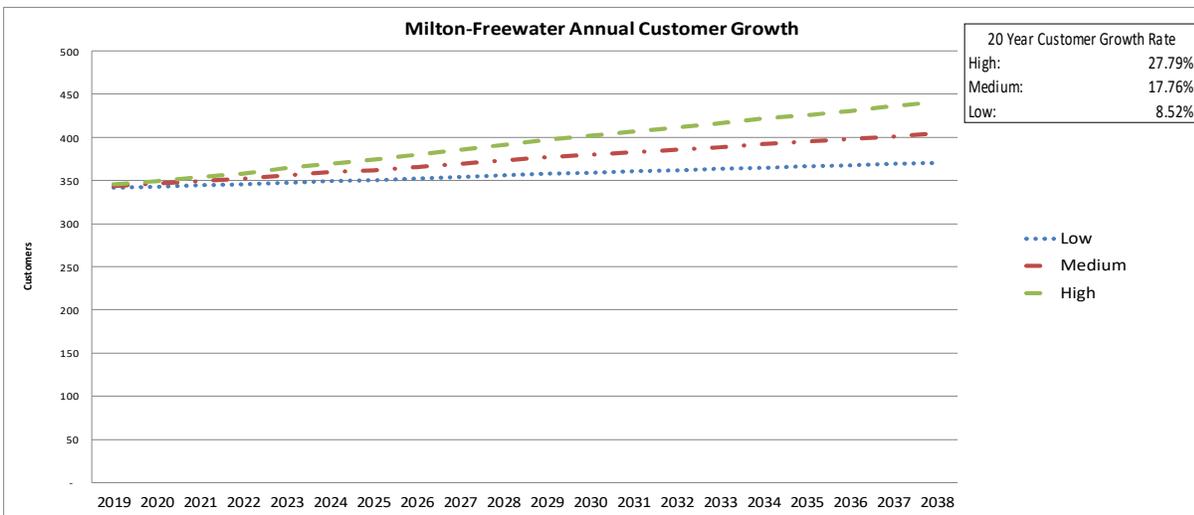
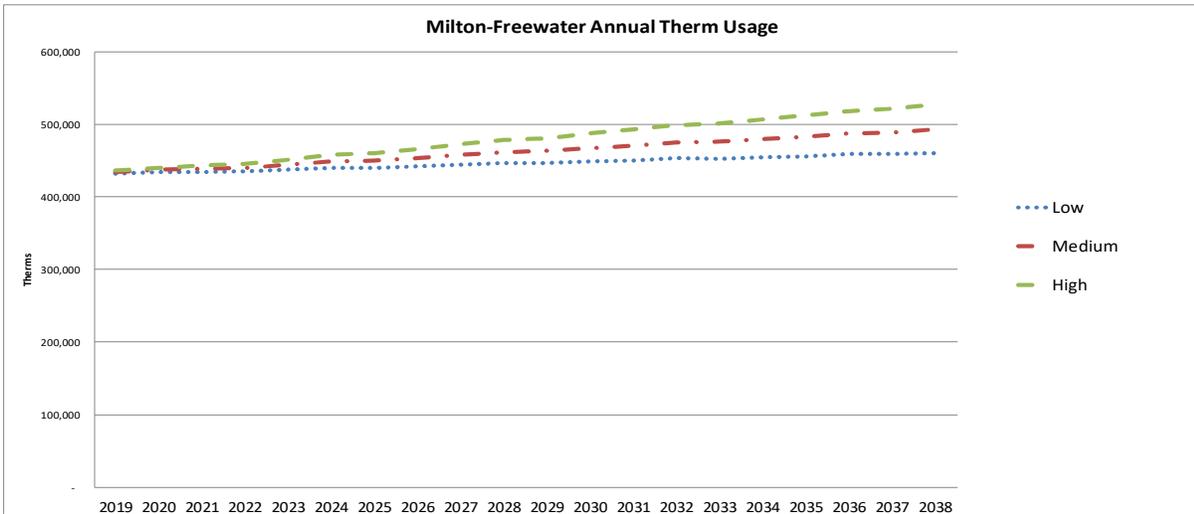
Milton-Freewater

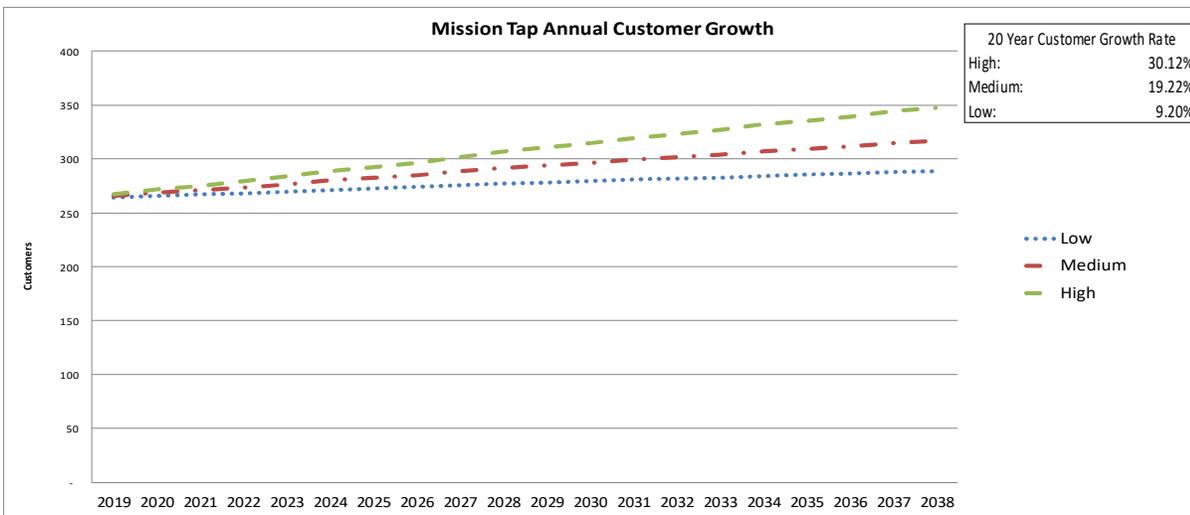
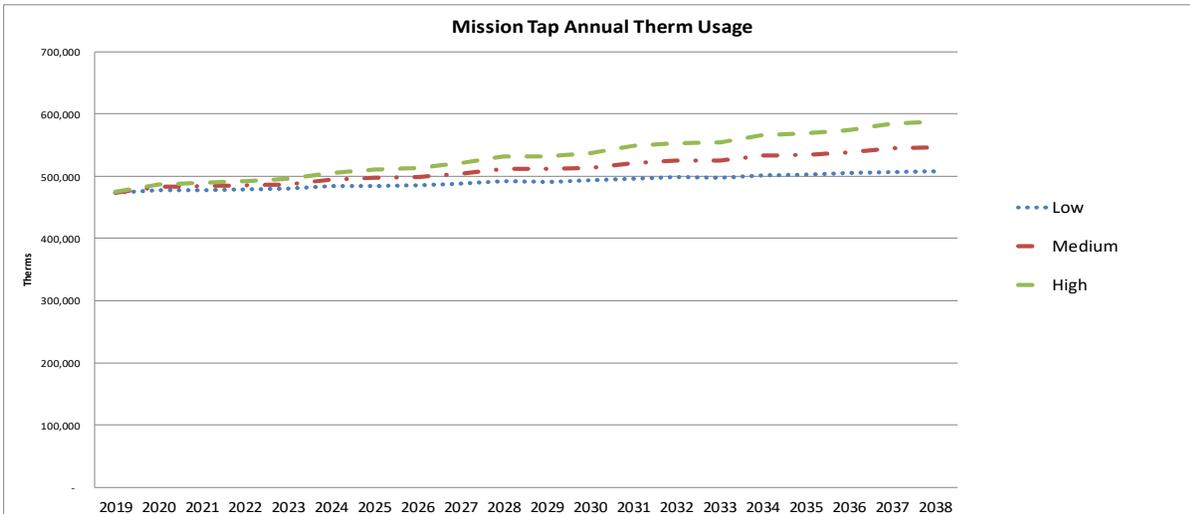
Table with columns for Annual Requirements (Therms) and Annual Change, categorized by Low, Medium, and High usage levels. Includes rows for years 2019-2038.

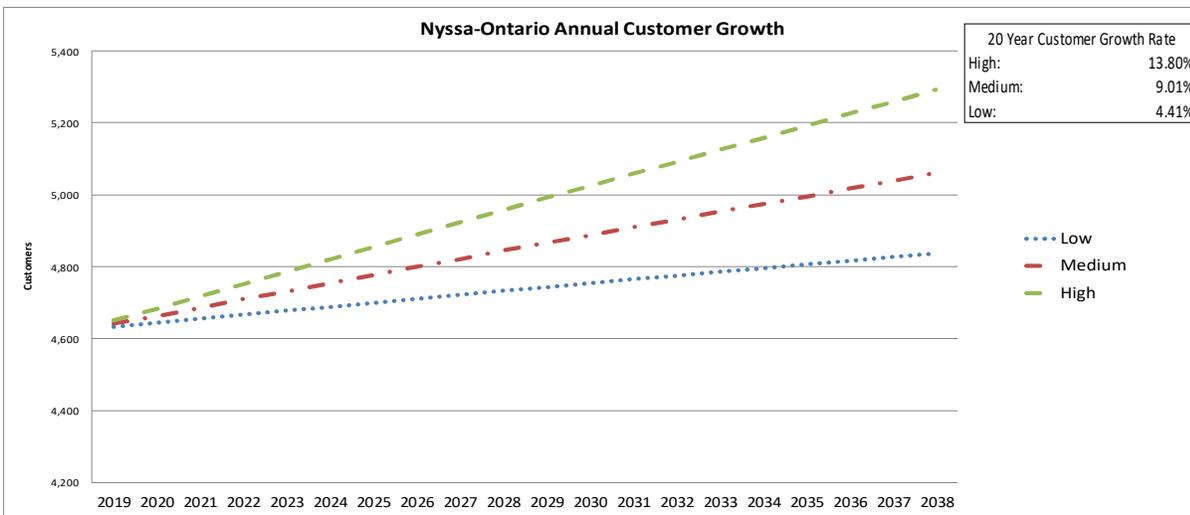
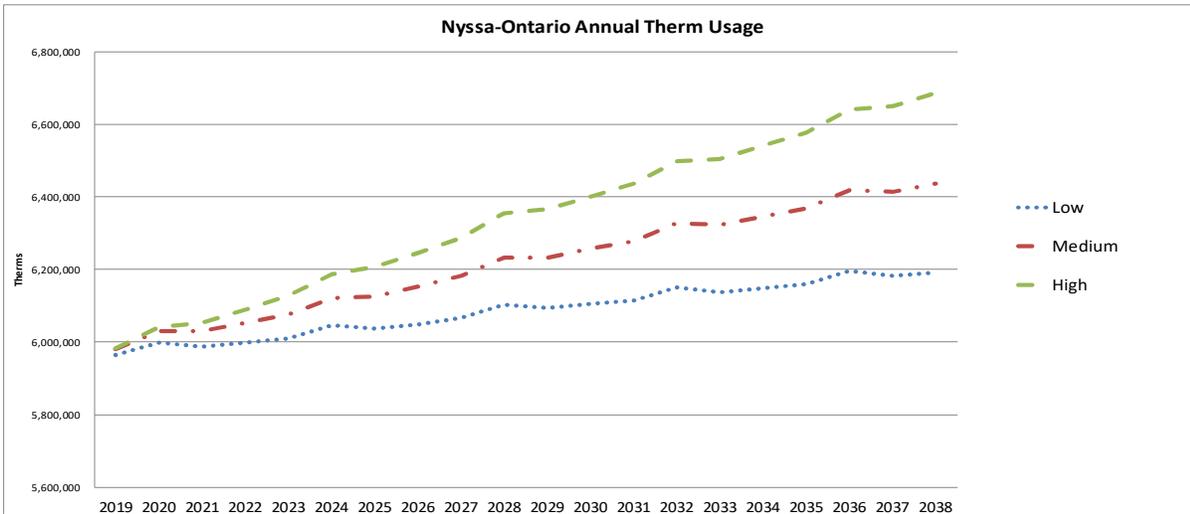
Table with columns for Peak Day - BaseLoad and Annual Change, categorized by Low, Medium, and High usage levels. Includes rows for years 2019-2038.

Table with columns for Therms Usage by Class and Annual Change, categorized by Low, Medium, and High usage levels. Includes rows for years 2019-2038.

Table with columns for Customer Count Forecast and Annual Change, categorized by Low, Medium, and High usage levels. Includes rows for years 2019-2038.







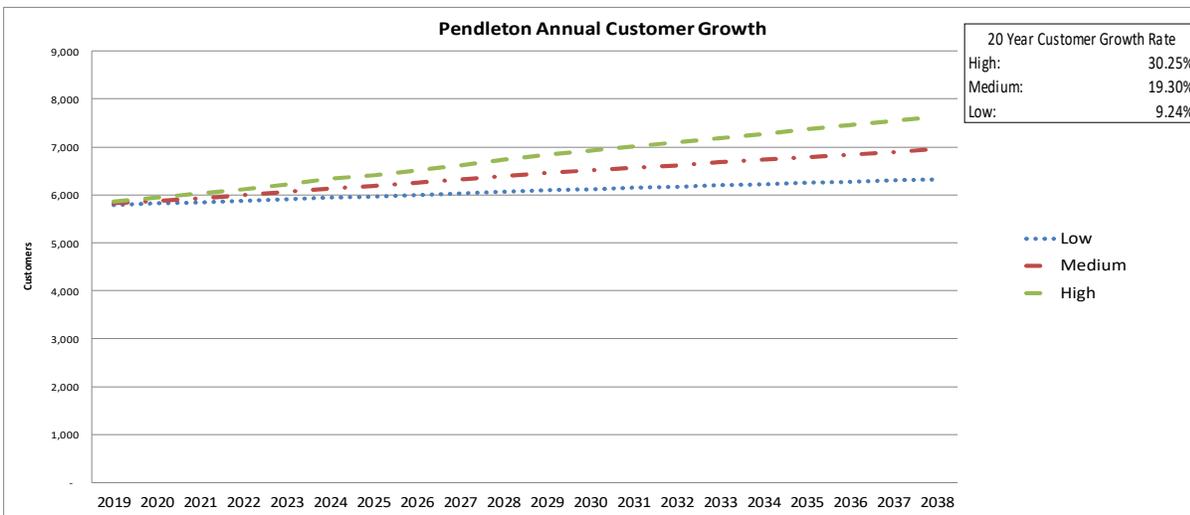
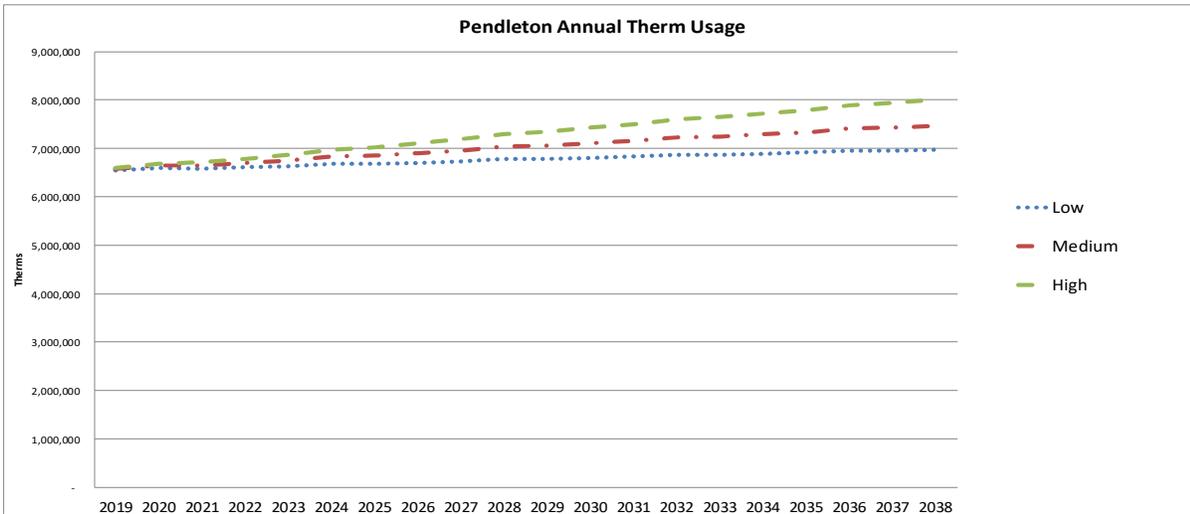
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Pendleton Annual Requirements (Therms) and Annual Change table. Columns include Heating, Baseload, Total for Low, Medium, High categories. Rows 2019-2038.

Pendleton Peak Day - Baseload and Annual Change table. Columns include Base, Peak, Total for Low, Medium, High categories. Rows 2019-2038.

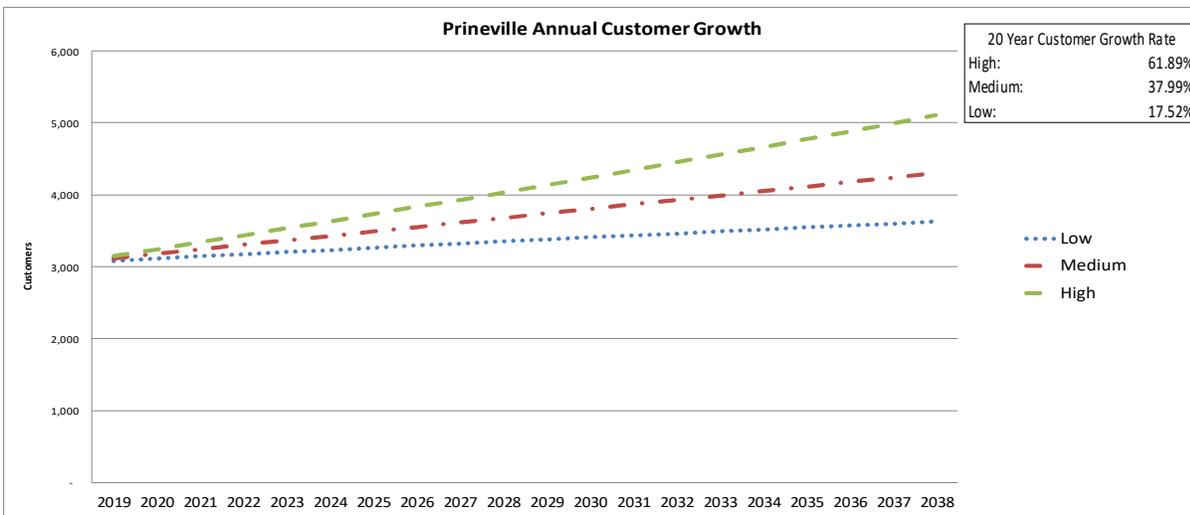
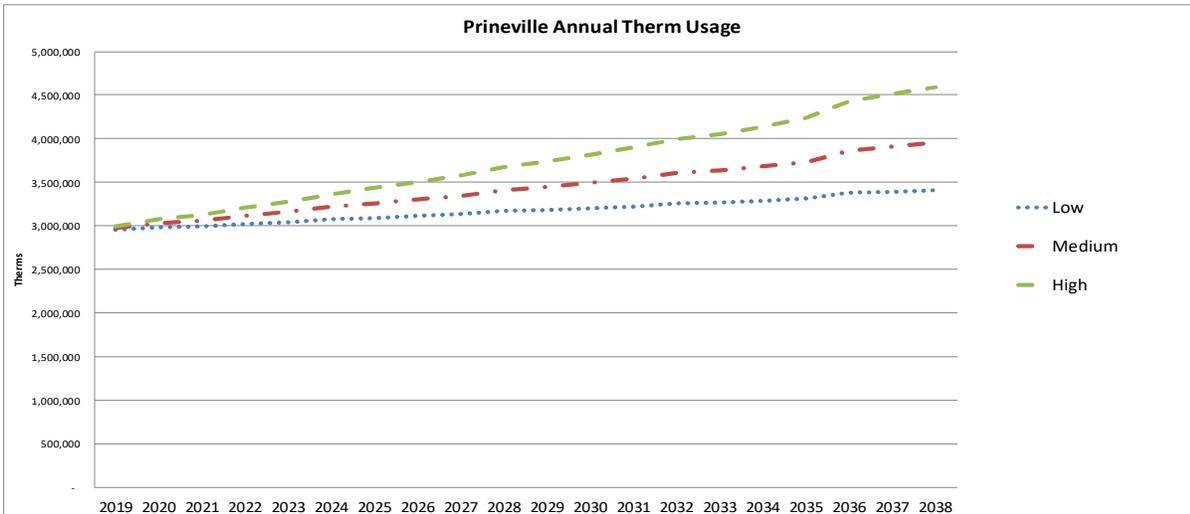
Pendleton Therms Usage by Class and Annual Change table. Columns include Res, Com/Ind, Total for Low, Medium, High categories. Rows 2019-2038.

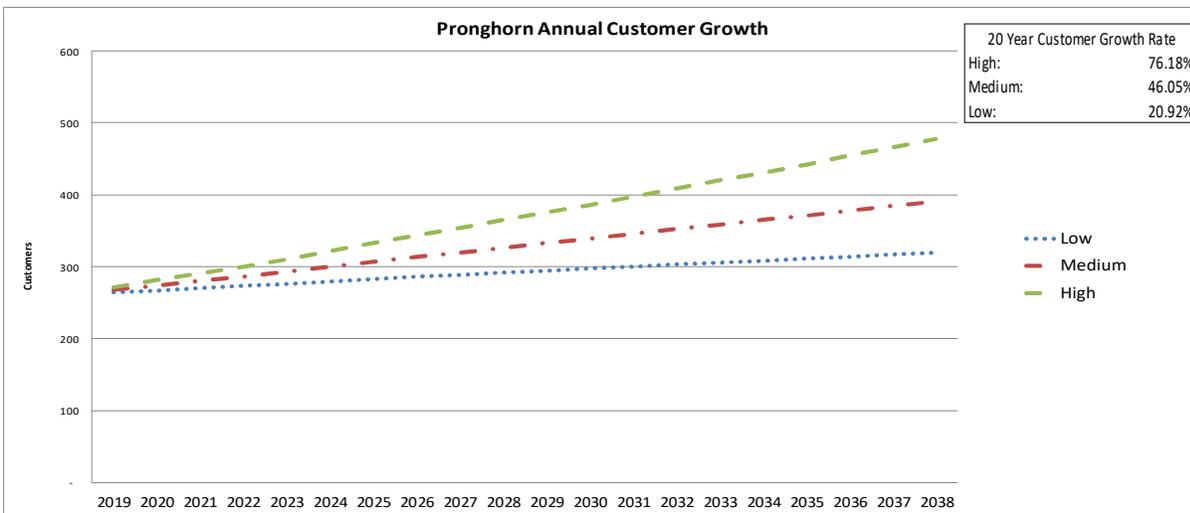
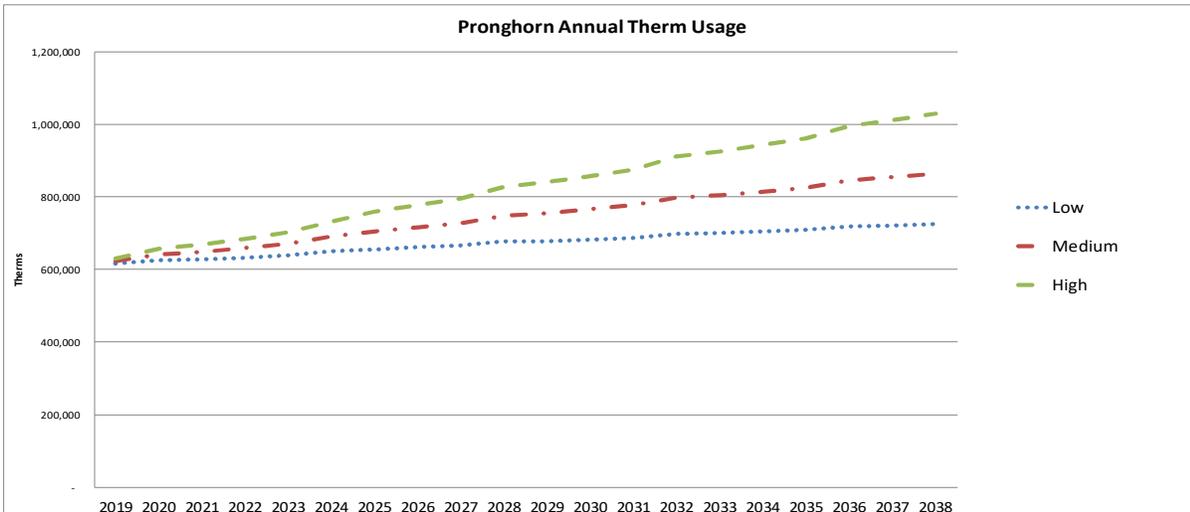
Pendleton Customer Count Forecast and Annual Change table. Columns include Res, Com/Ind, Total for Low, Medium, High categories. Rows 2019-2038.

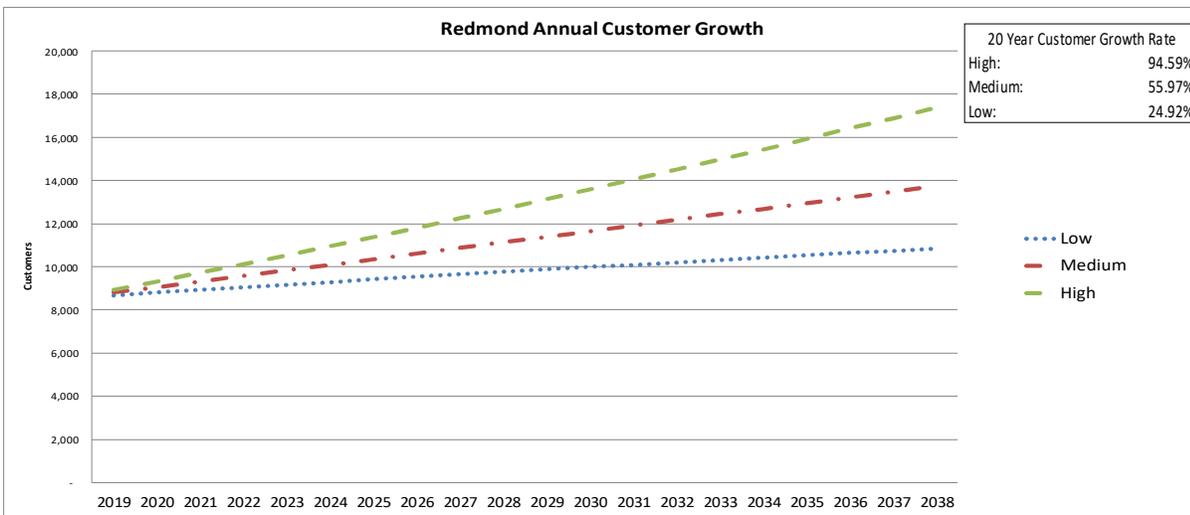
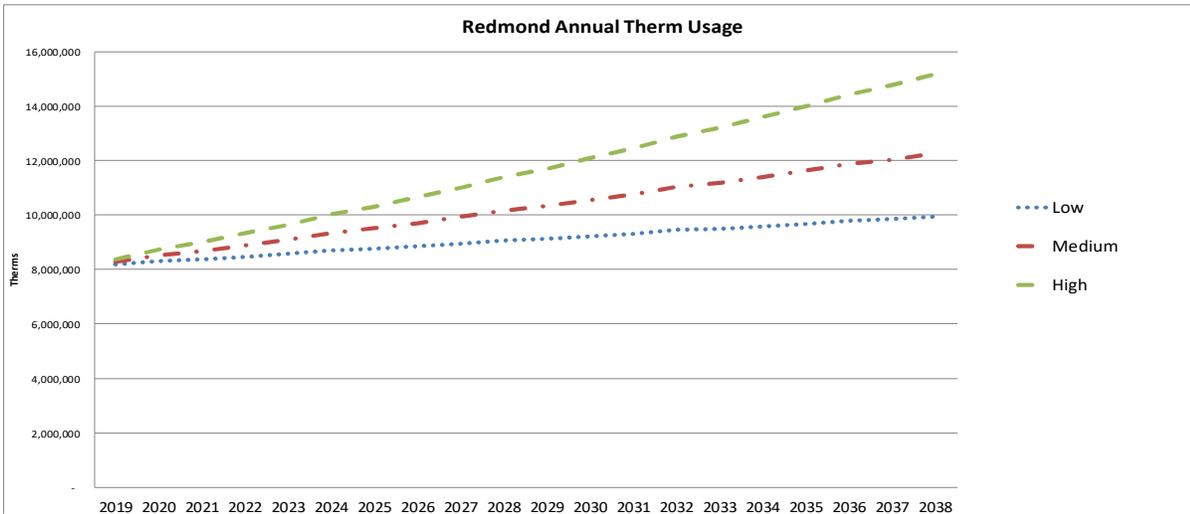


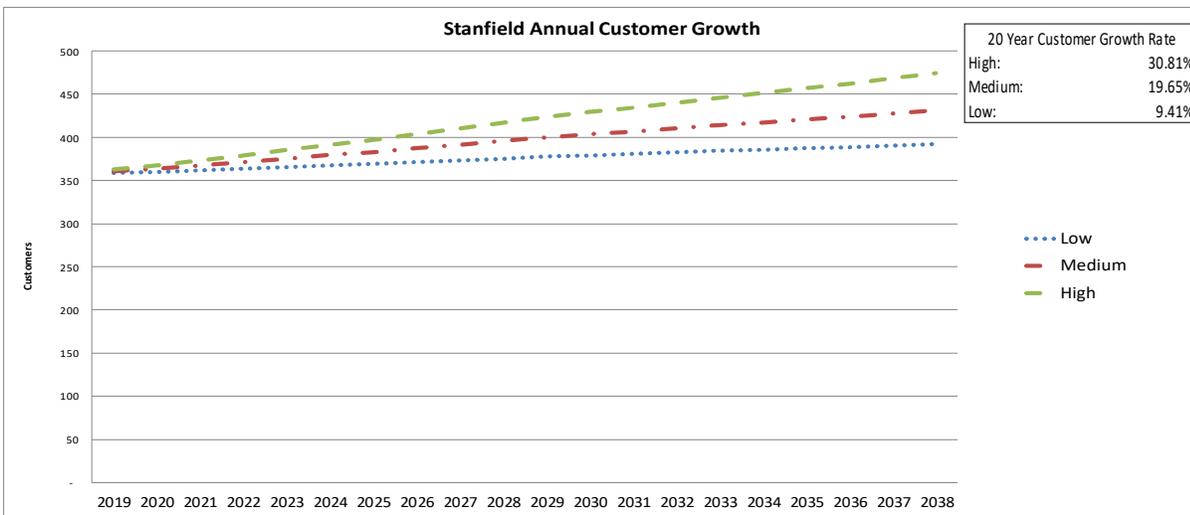
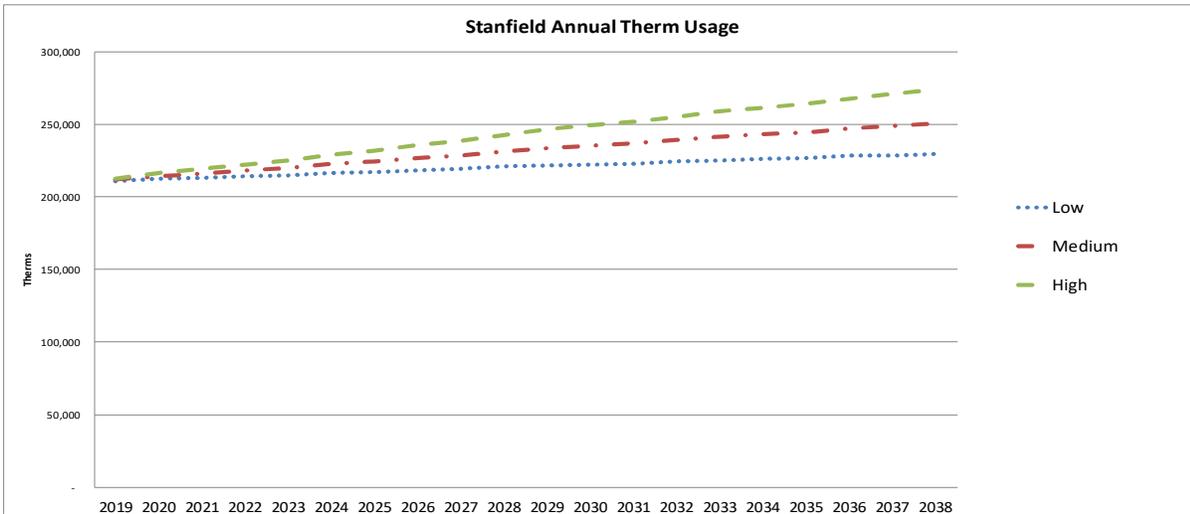
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

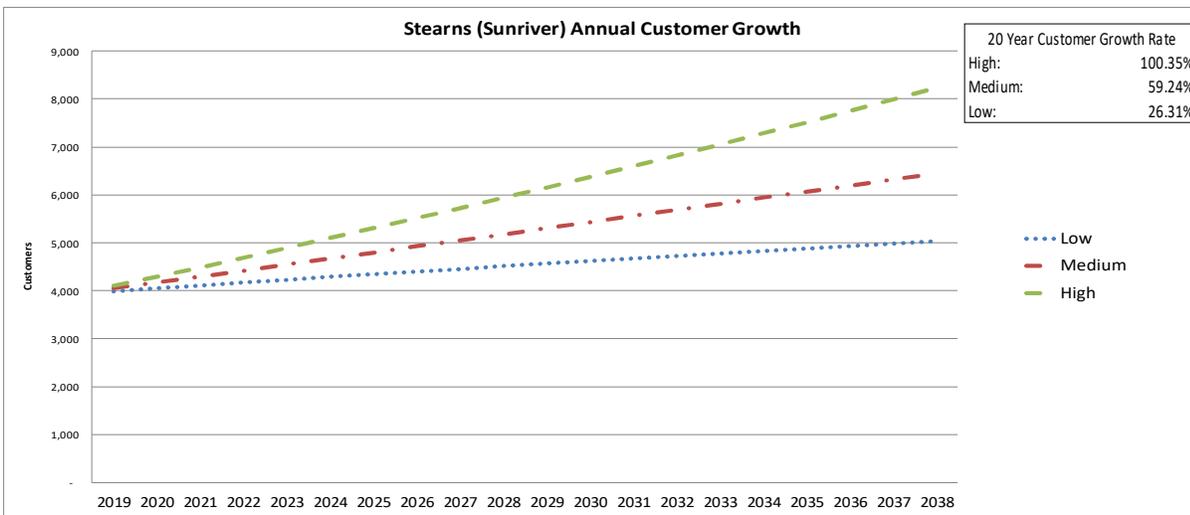
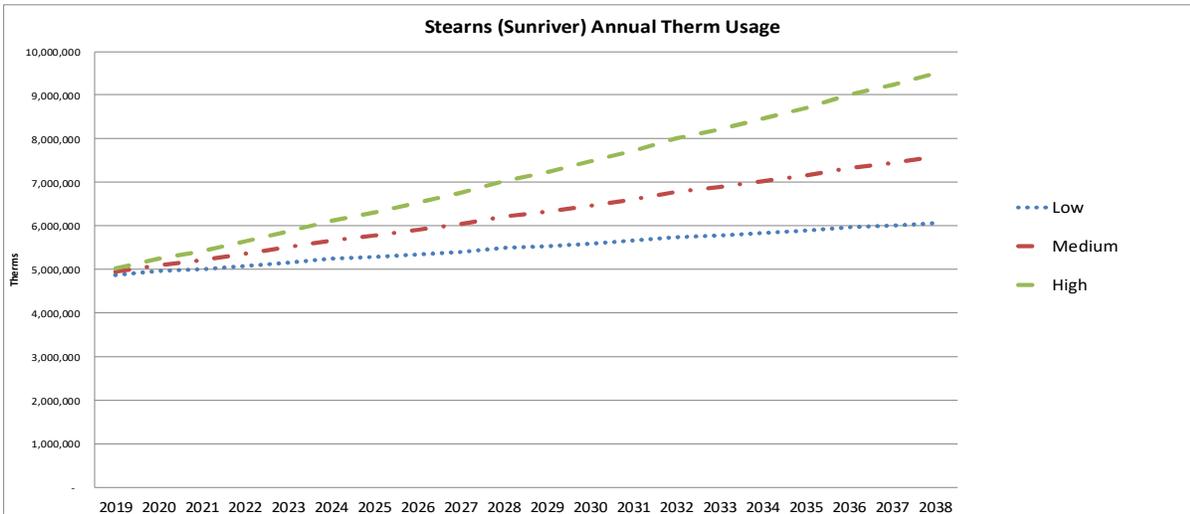
Prineville Annual Requirements (Therms) and Annual Change tables. Includes sub-sections for Peak Day - BaseLoad, Terms Usage by Class, and Customer Count Forecast. Data spans years 2019-2038 with columns for Low, Medium, and High demand scenarios and their respective annual change percentages.











Cascade Natural Gas
2018 IRP Demand Forecast Summary Tables

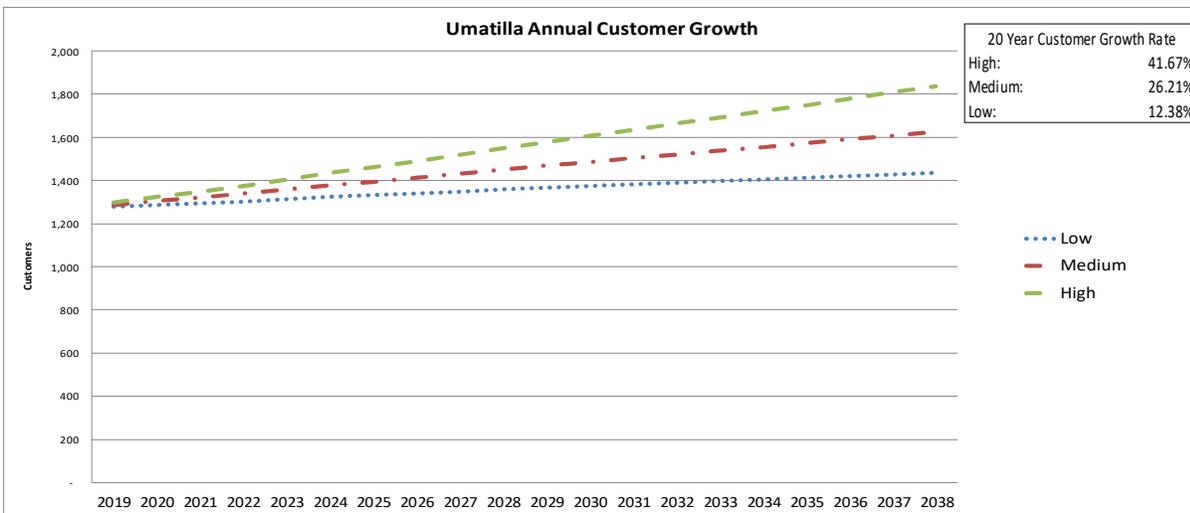
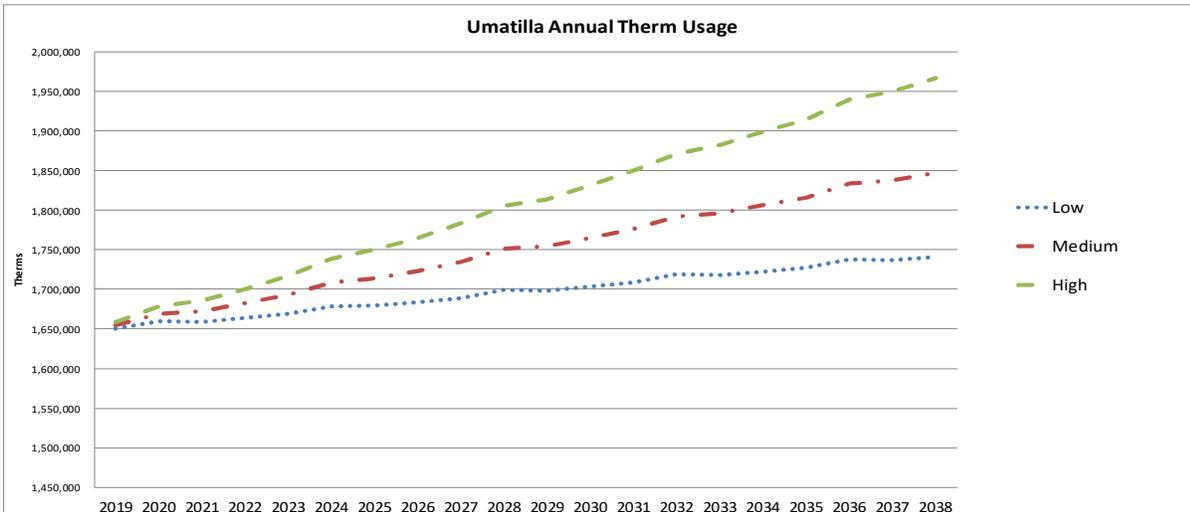
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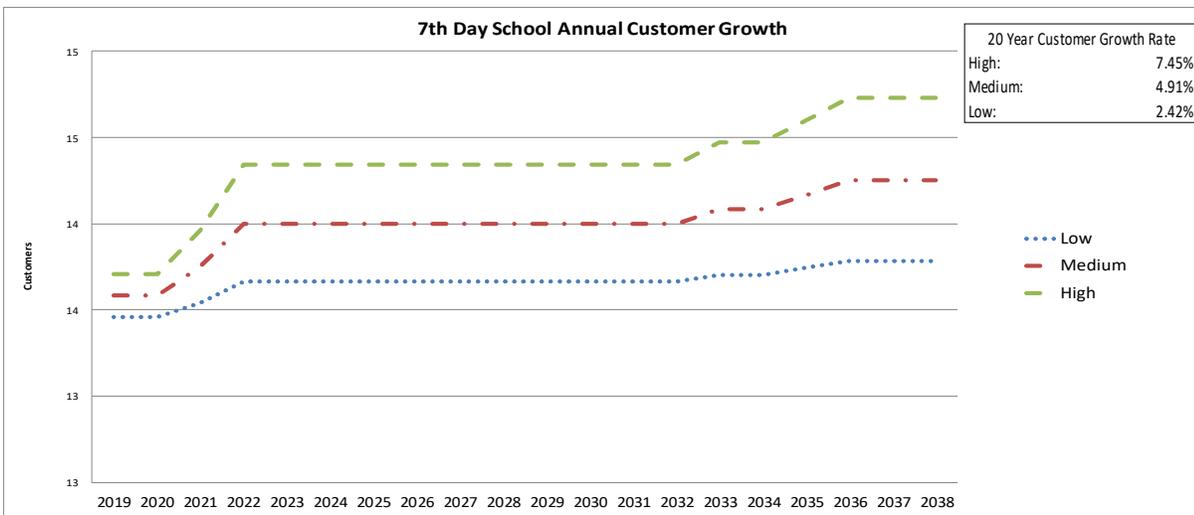
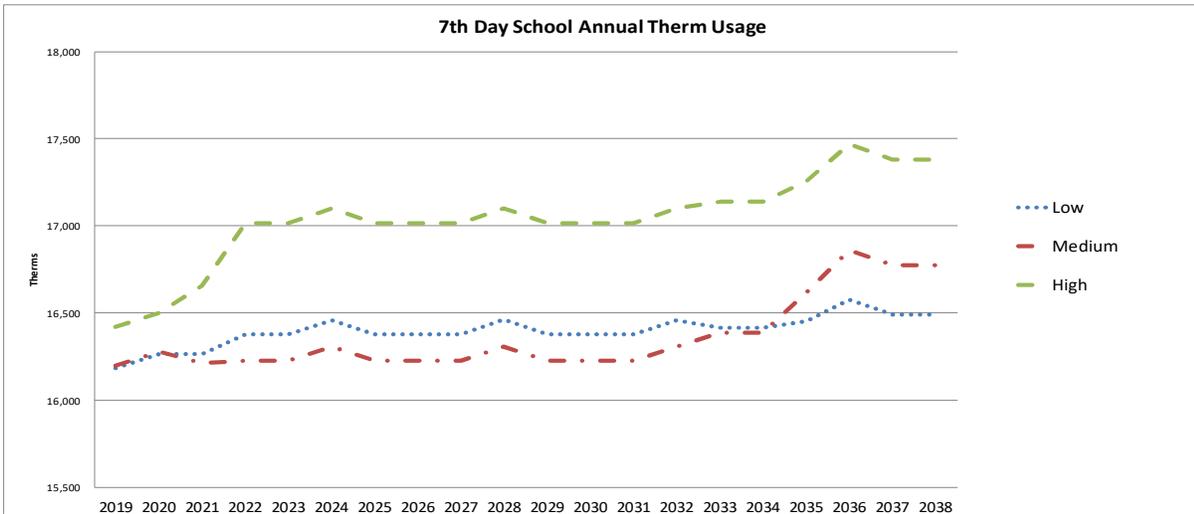
Table with columns: Heating, Baseload, Total, Annual Change (Low, Medium, High). Rows 2019-2038.

Table with columns: Daily Baseload, Peak, Total, Annual Change (Low, Medium, High). Rows 2019-2038.

Table with columns: Res, Com/Ind, Total, Annual Change (Low, Medium, High). Rows 2019-2038.

Table with columns: Res, Com/Ind, Total, Annual Change (Low, Medium, High). Rows 2019-2038.





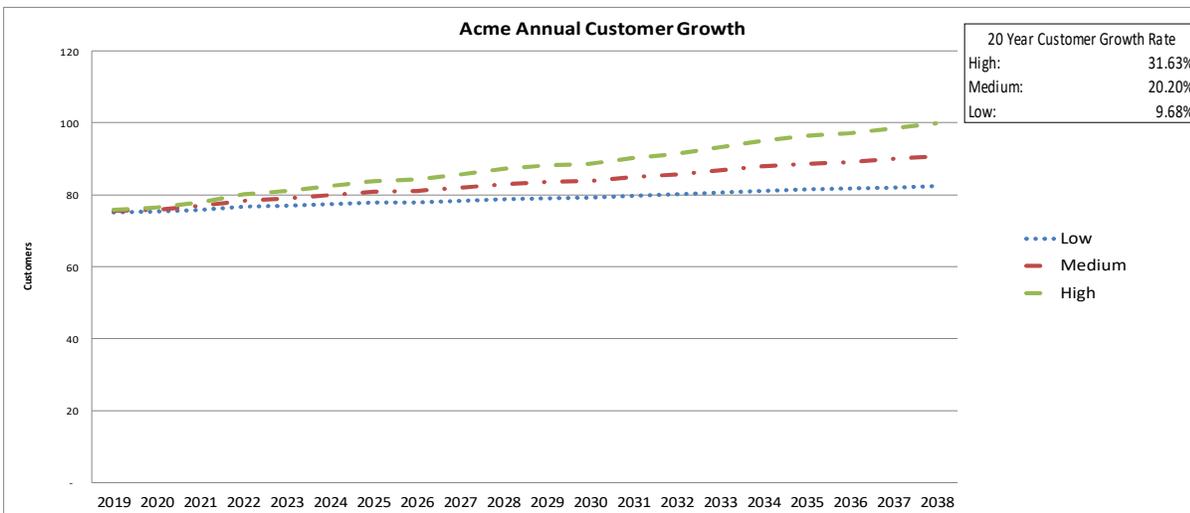
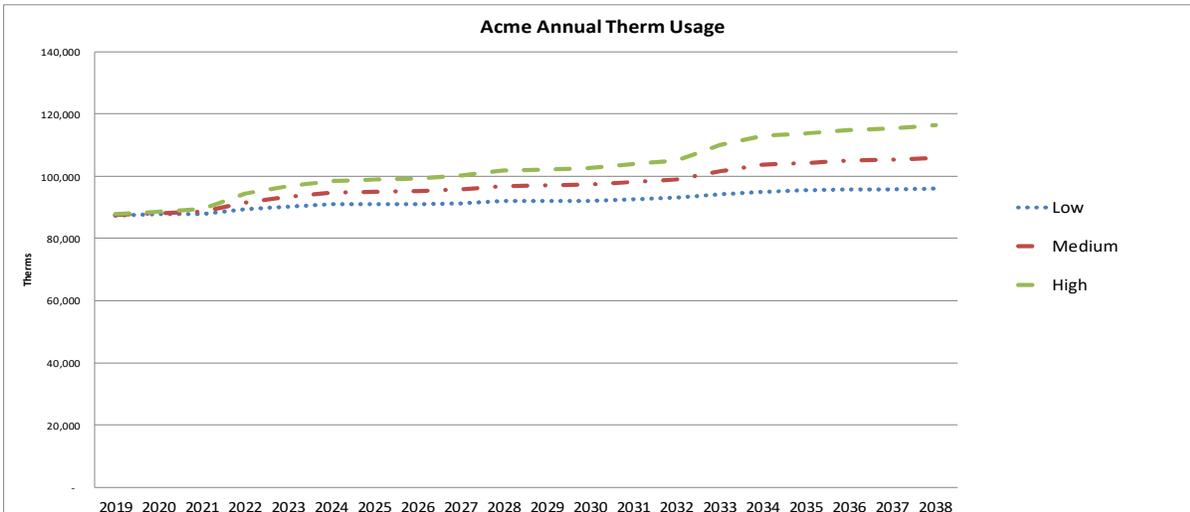
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

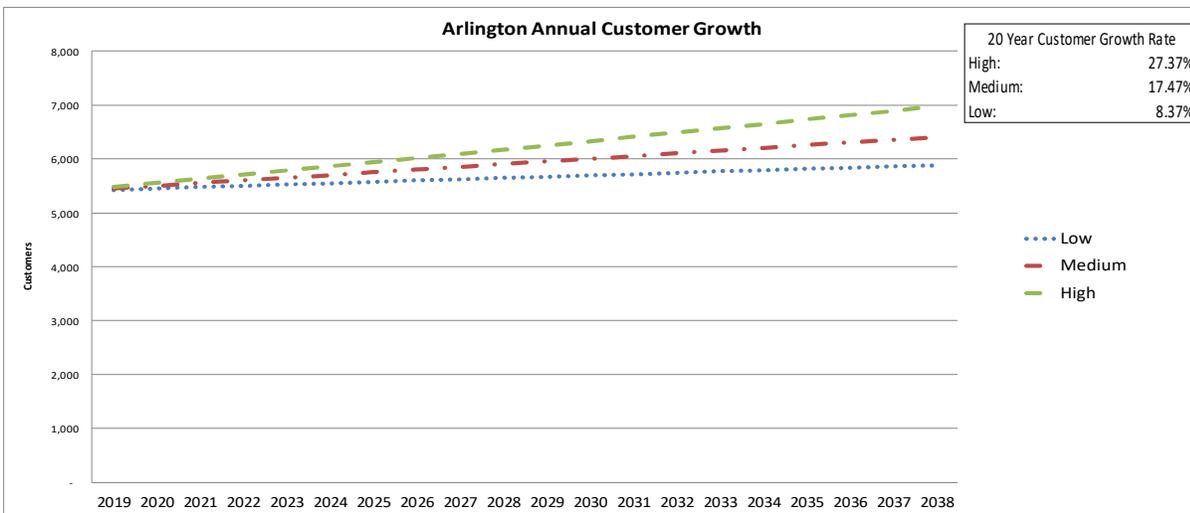
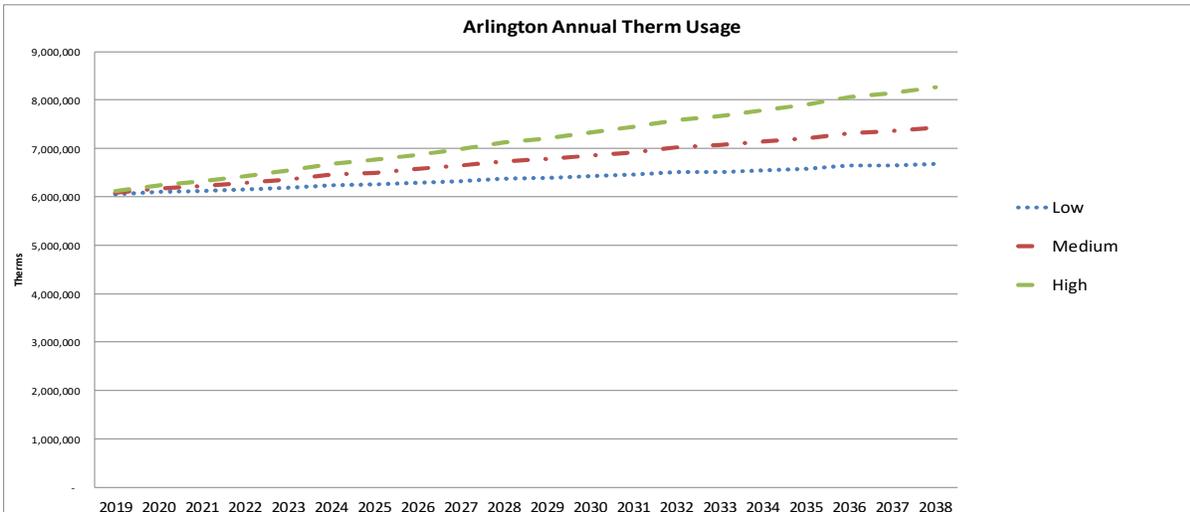
Table with columns for Heating, Low, Medium, High, and Annual Change. Rows represent years from 2019 to 2038, showing demand in Therms and annual change percentages.

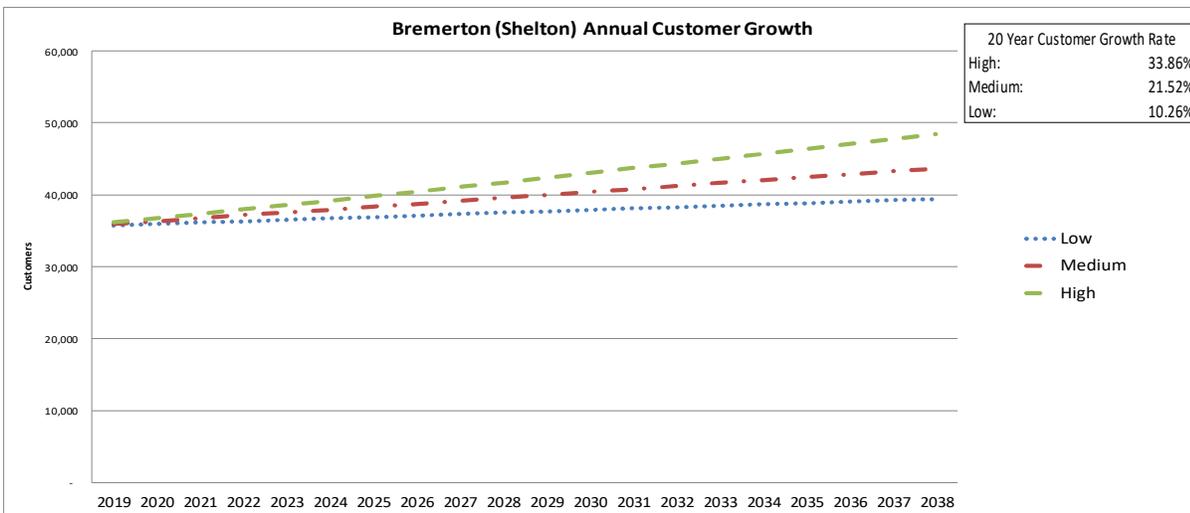
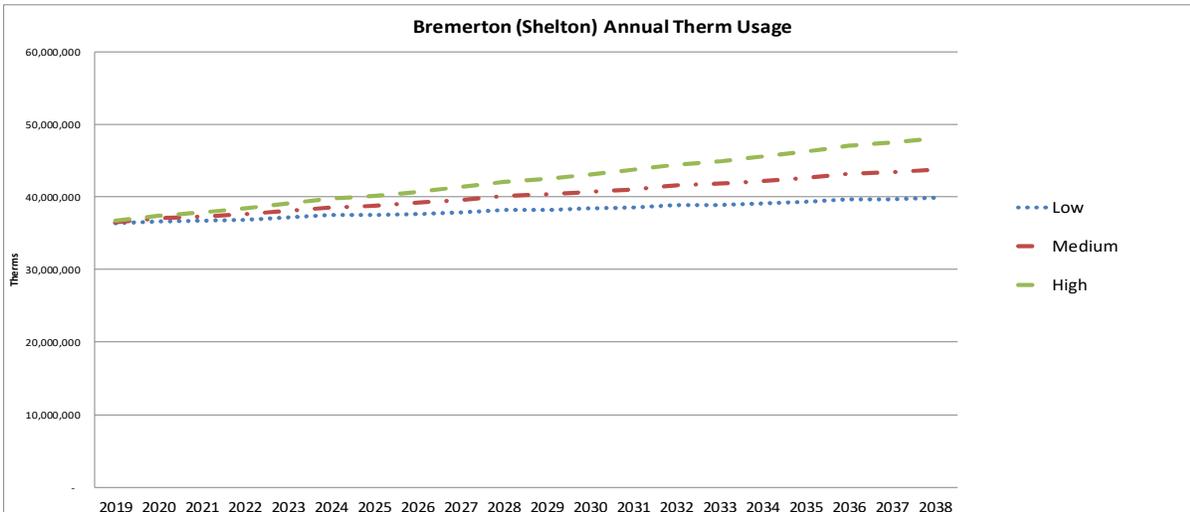
Table with columns for Peak Day - BaseLoad, Low, Medium, High, and Annual Change. Rows represent years from 2019 to 2038, showing peak day demand and annual change percentages.

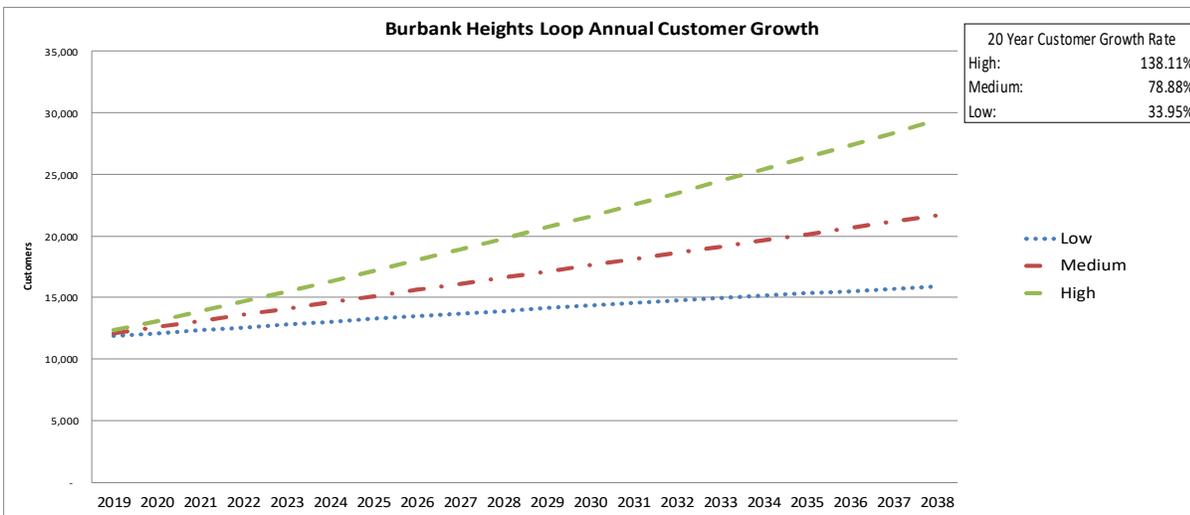
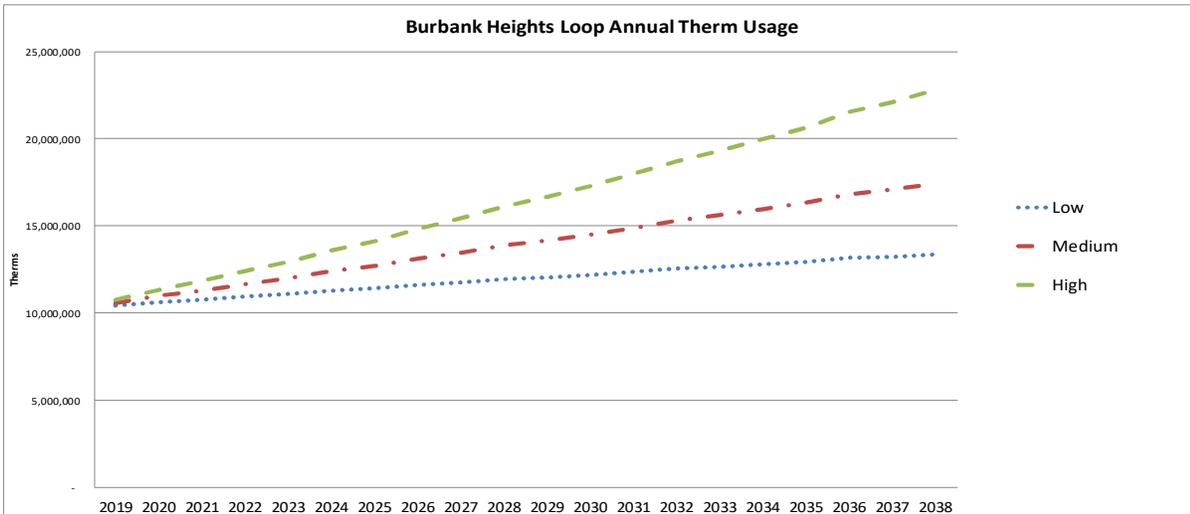
Table with columns for Terms Usage by Class, Low, Medium, High, and Annual Change. Rows represent years from 2019 to 2038, showing usage in Res, Com/Ind, and Total, along with annual change percentages.

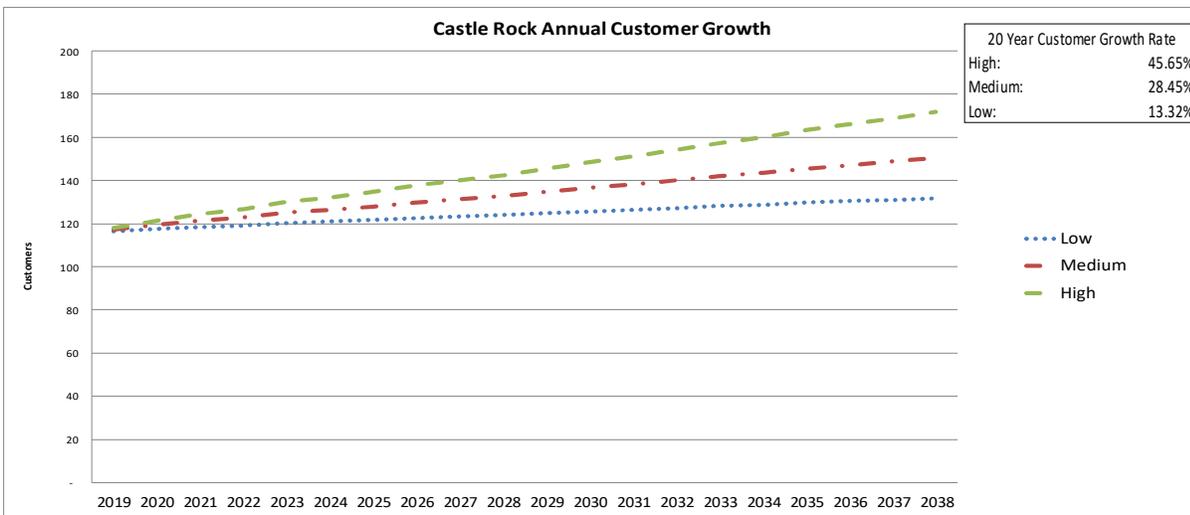
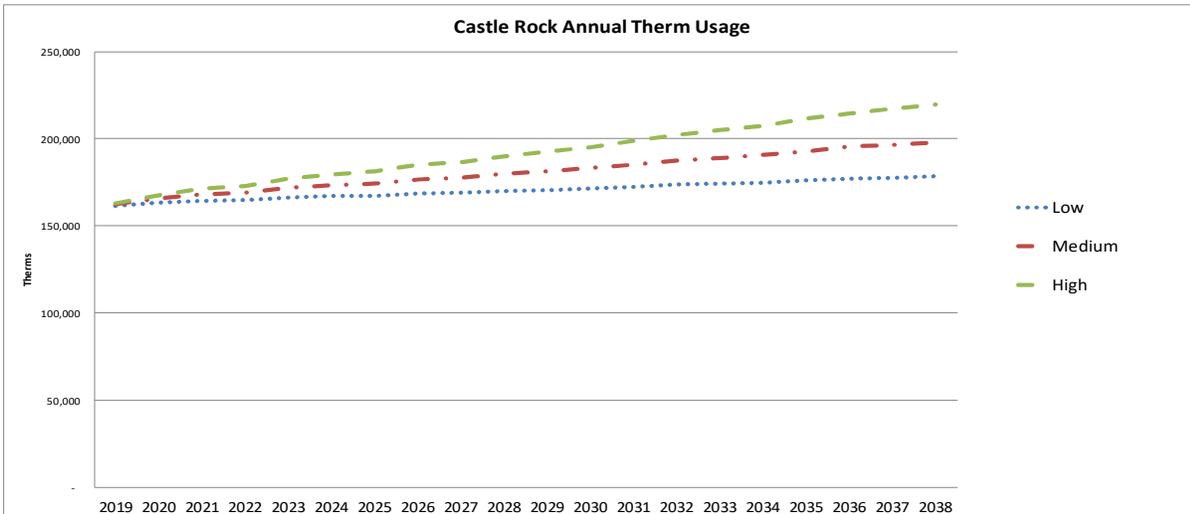
Table with columns for Customer Count Forecast, Low, Medium, High, and Annual Change. Rows represent years from 2019 to 2038, showing customer counts in Res, Com/Ind, and Total, along with annual change percentages.

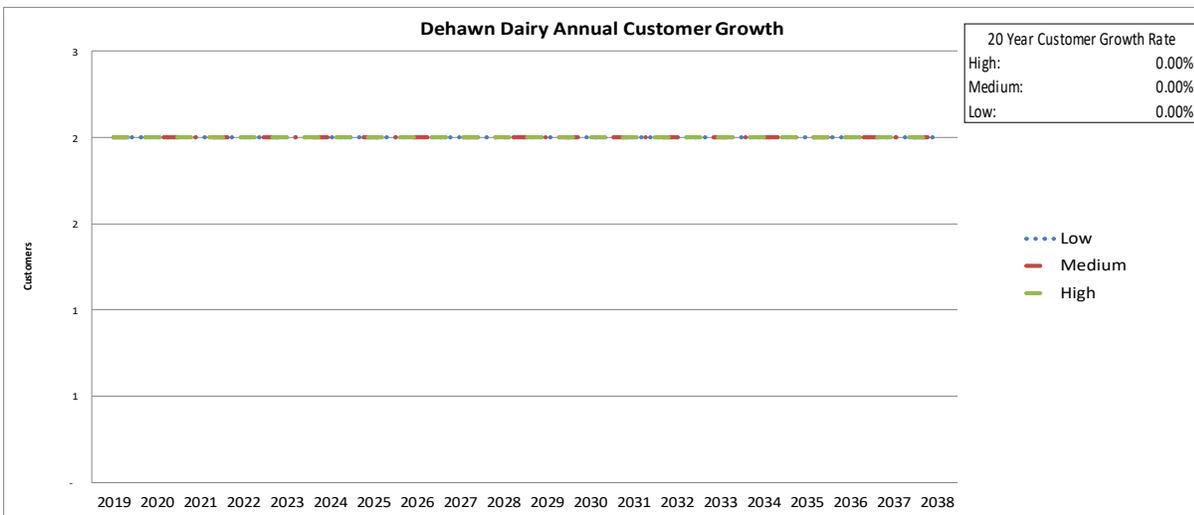
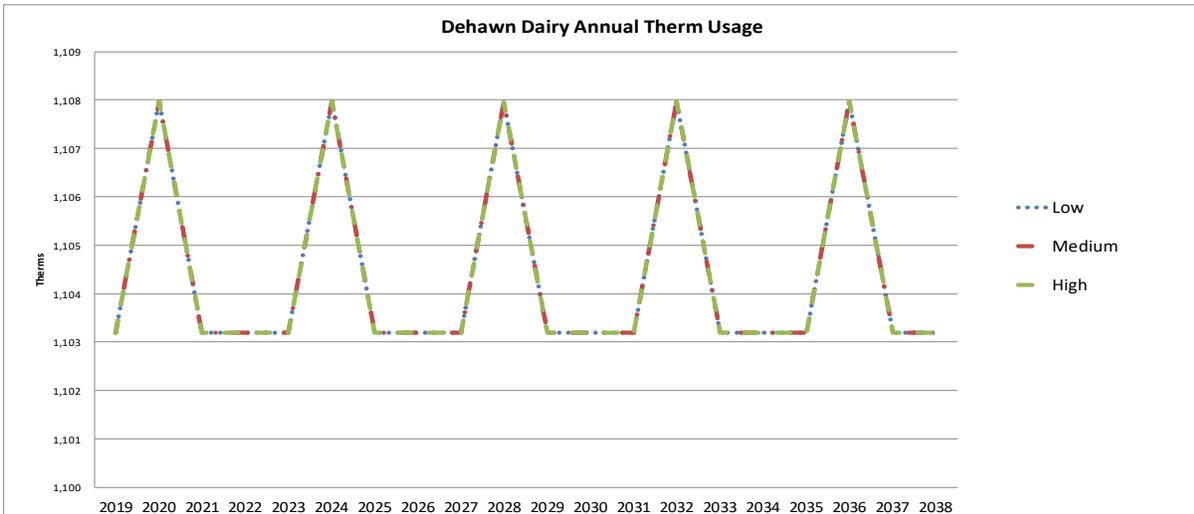












Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

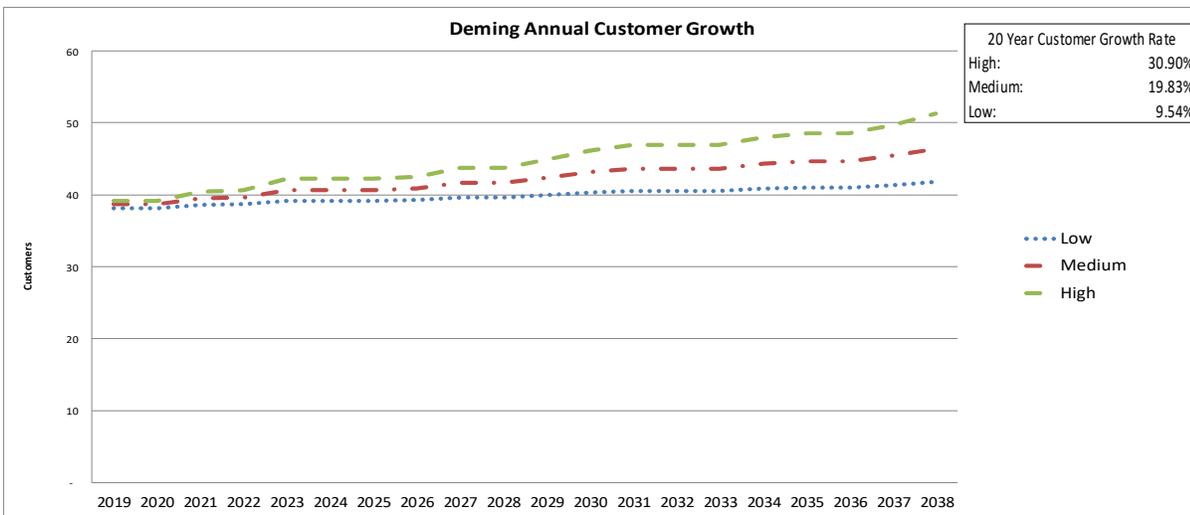
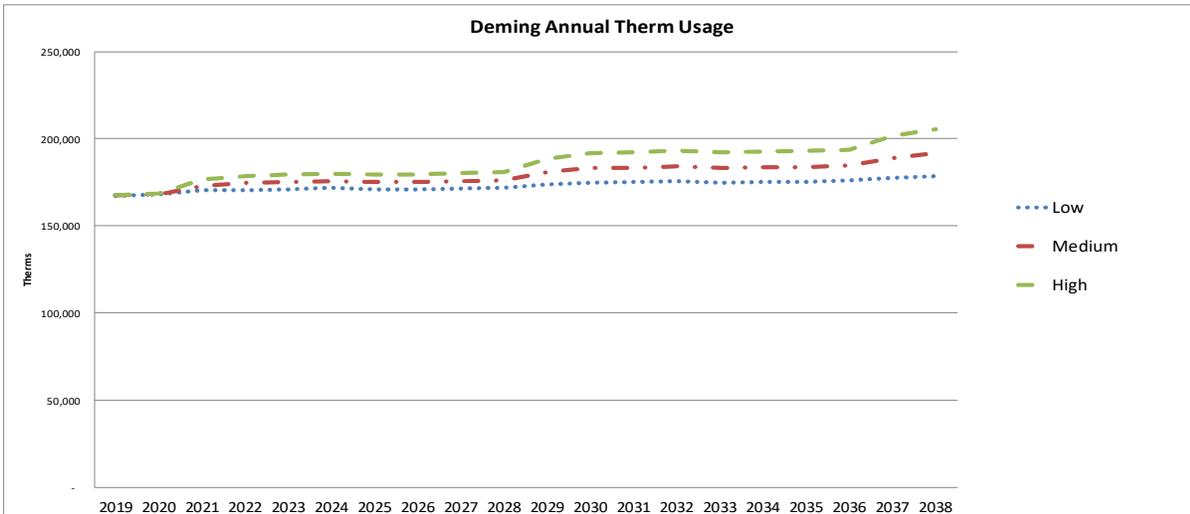
Deming

Table with columns: Annual Requirements (Therms) and Annual Change. Rows: 2019-2038, including Heating, Baseload, and Total for Low, Medium, and High categories.

Table with columns: Peak Day - Baseload and Annual Change. Rows: 2019-2038, including Daily Baseload and Peak for Low, Medium, and High categories.

Table with columns: Therms Usage by Class and Annual Change. Rows: 2019-2038, including Res, Com/Ind, and Total for Low, Medium, and High categories.

Table with columns: Customer Count Forecast and Annual Change. Rows: 2019-2038, including Res, Com/Ind, and Total for Low, Medium, and High categories.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

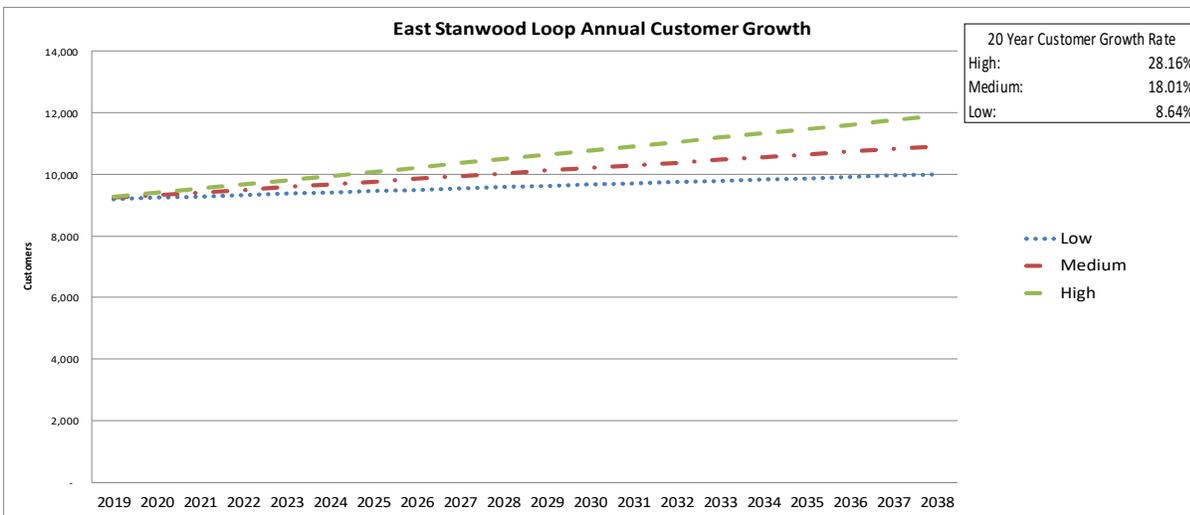
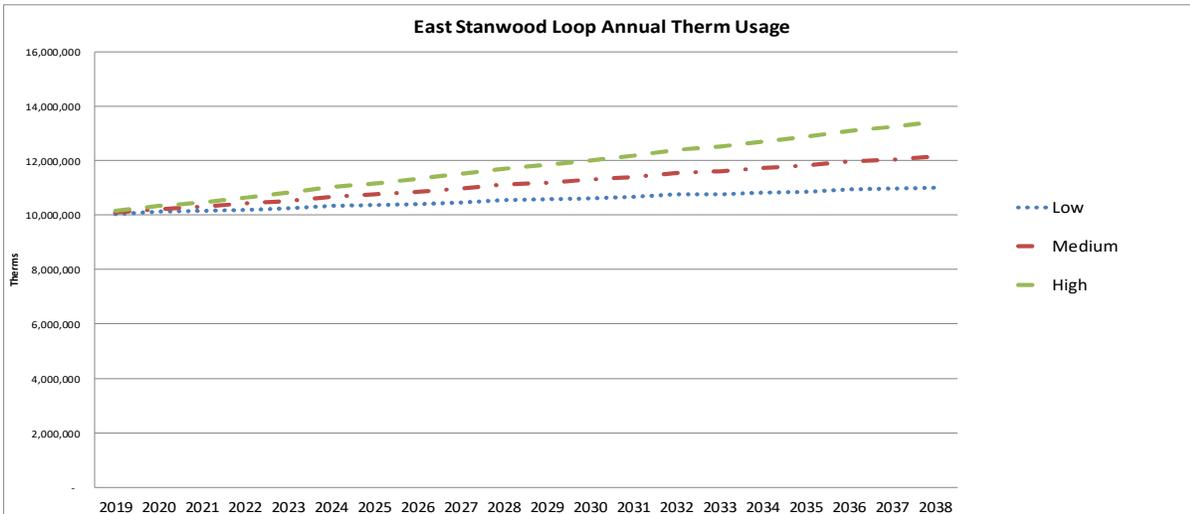
East Stanwood Loop

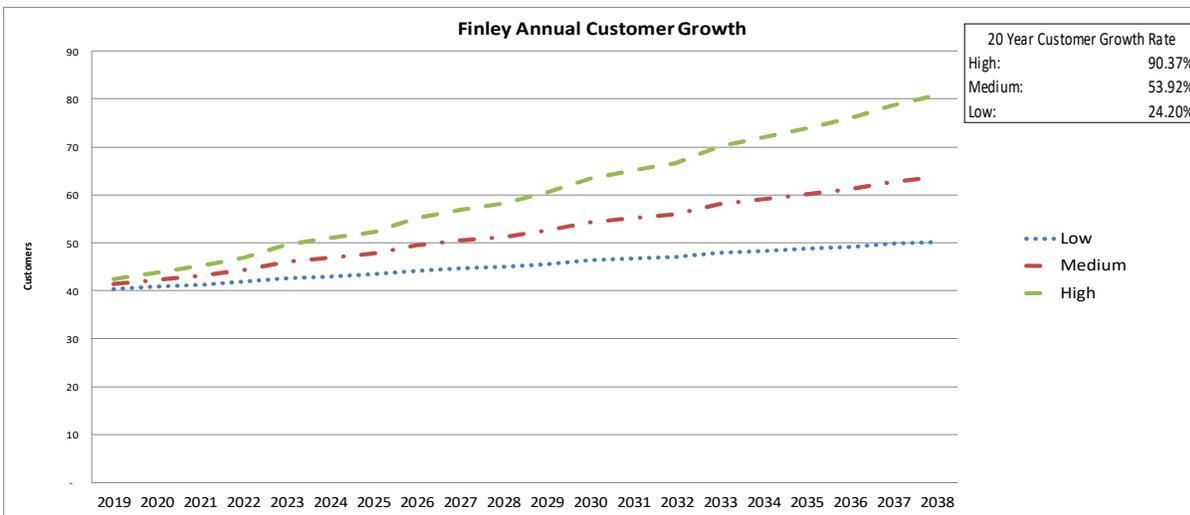
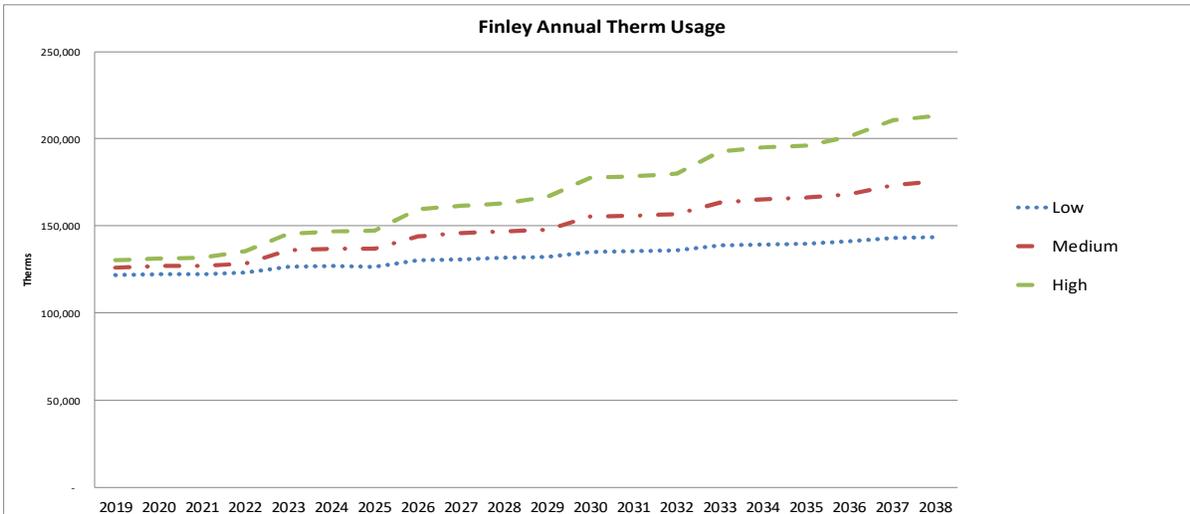
Table with columns for Annual Requirements (Therms) and Annual Change. Sub-headers include Low, Medium, High for Heating, BaseLoad, and Total. Rows 2019-2038.

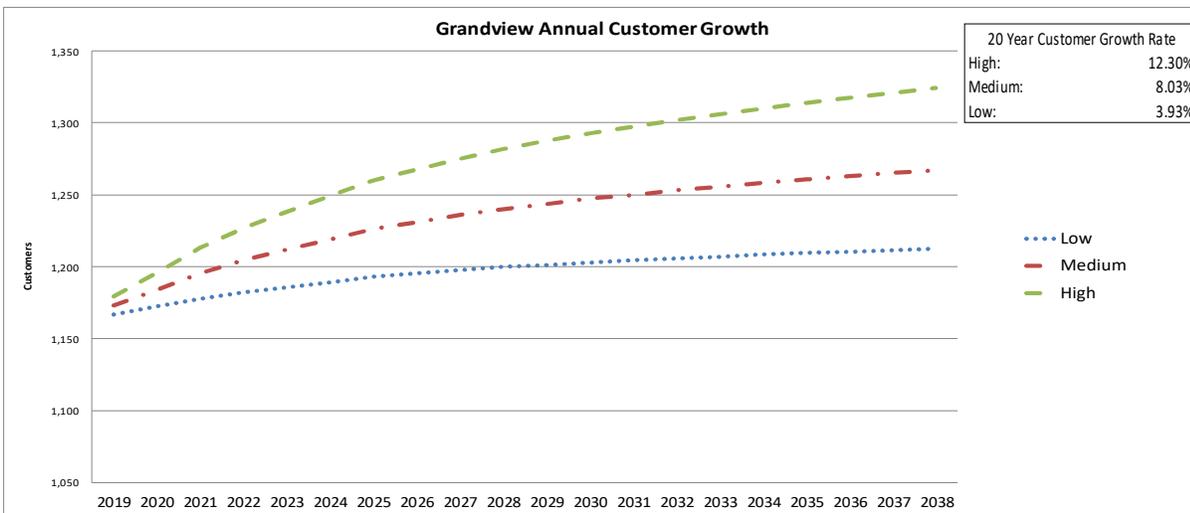
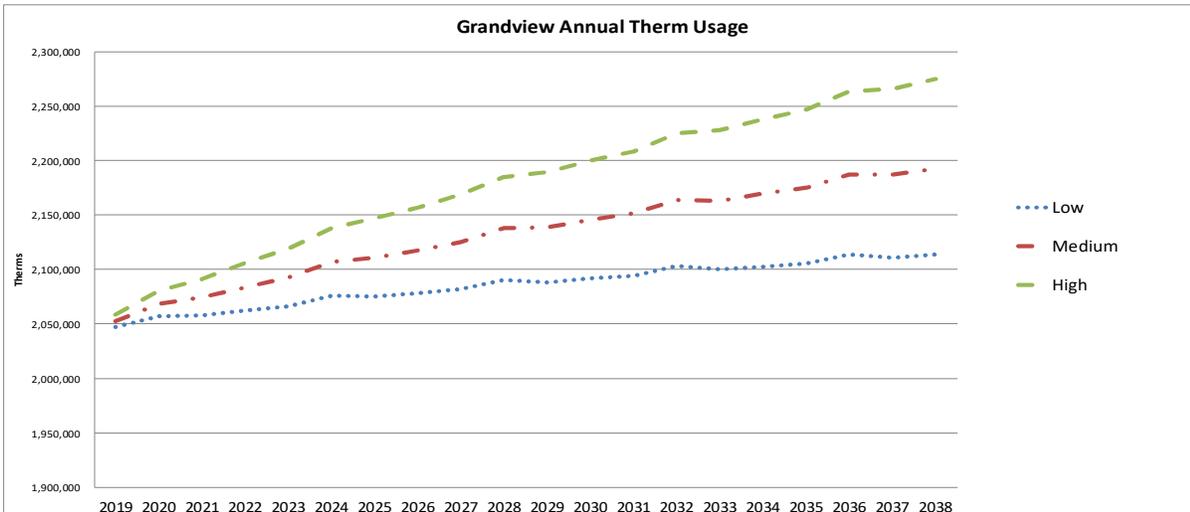
Table with columns for Peak Day - BaseLoad and Annual Change. Sub-headers include Low, Medium, High for Daily BaseLoad, Peak, and Total. Rows 2019-2038.

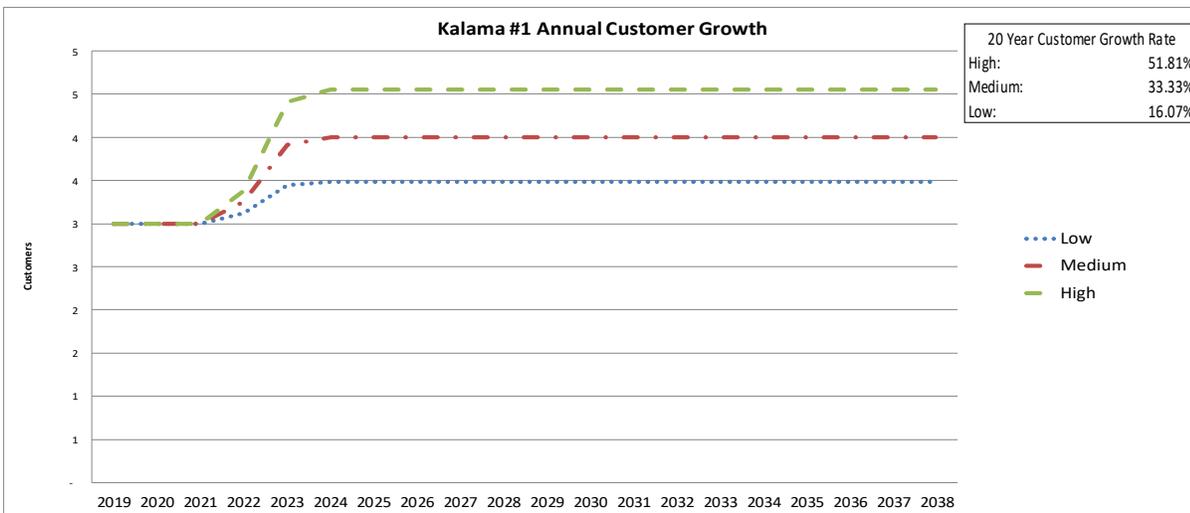
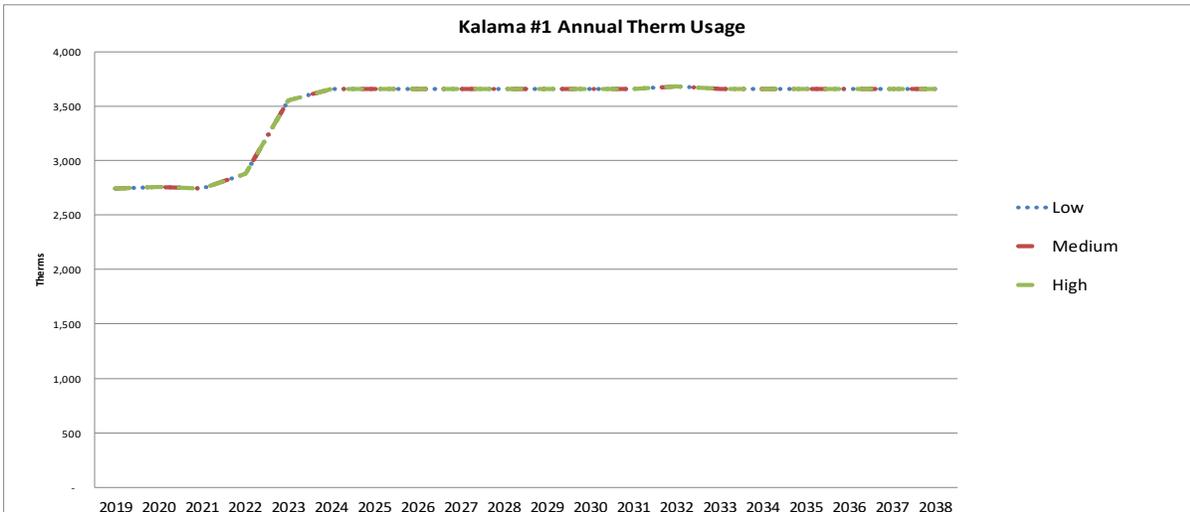
Table with columns for Therms Usage by Class and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038.

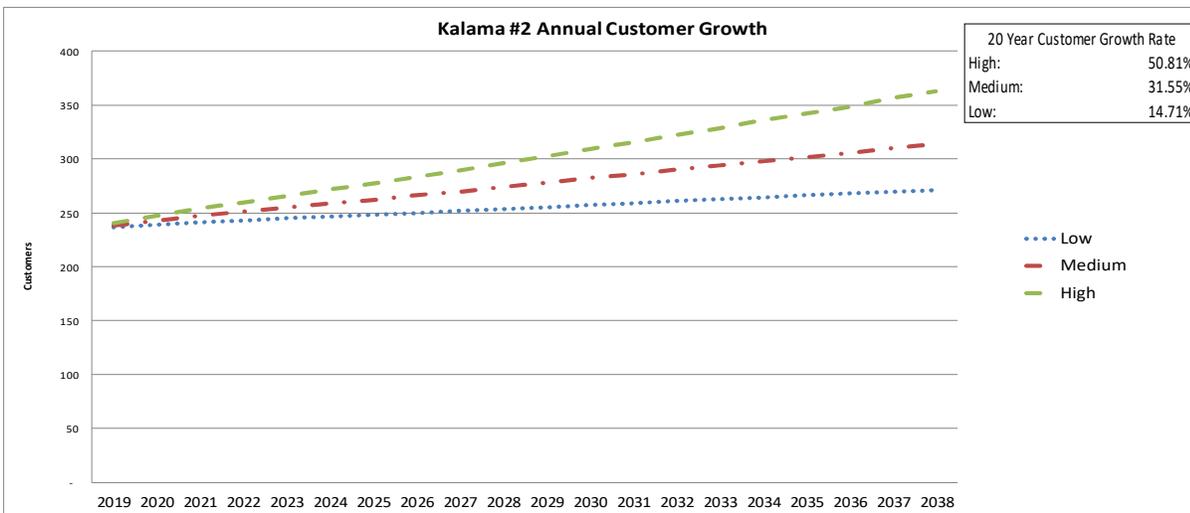
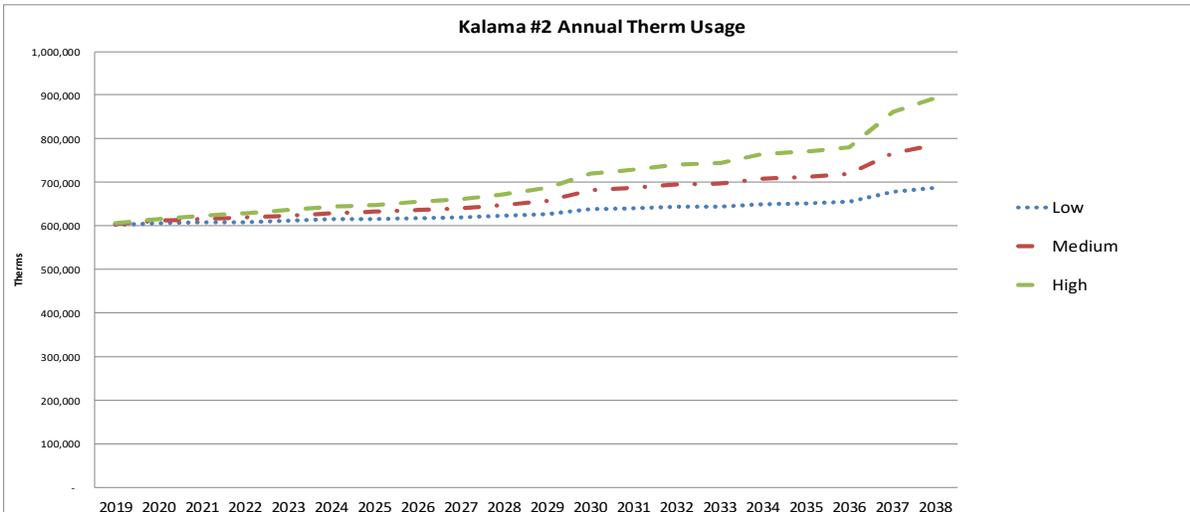
Table with columns for Customer Count Forecast and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038.











Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

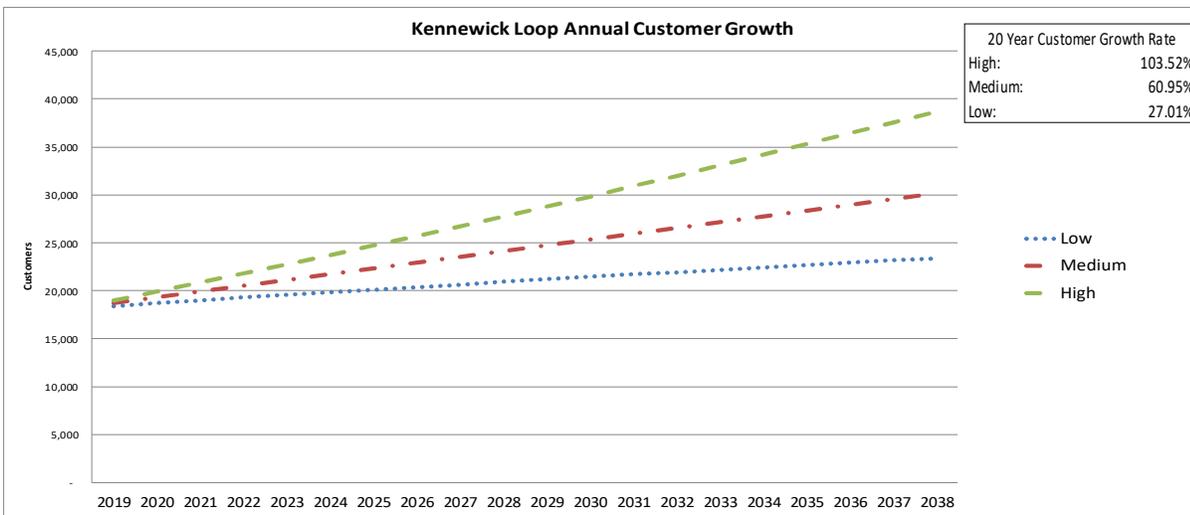
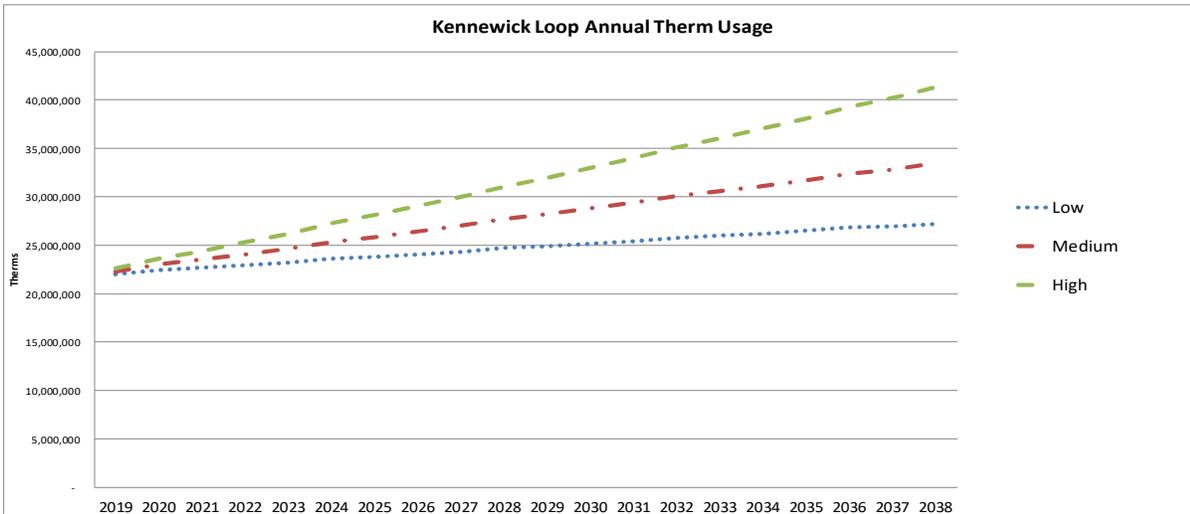
Kennewick Loop

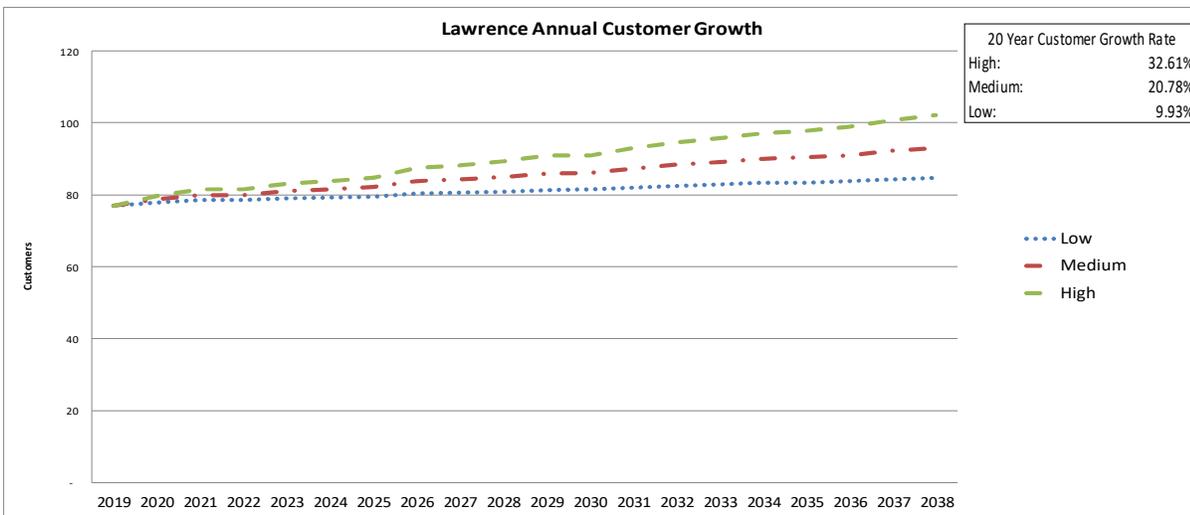
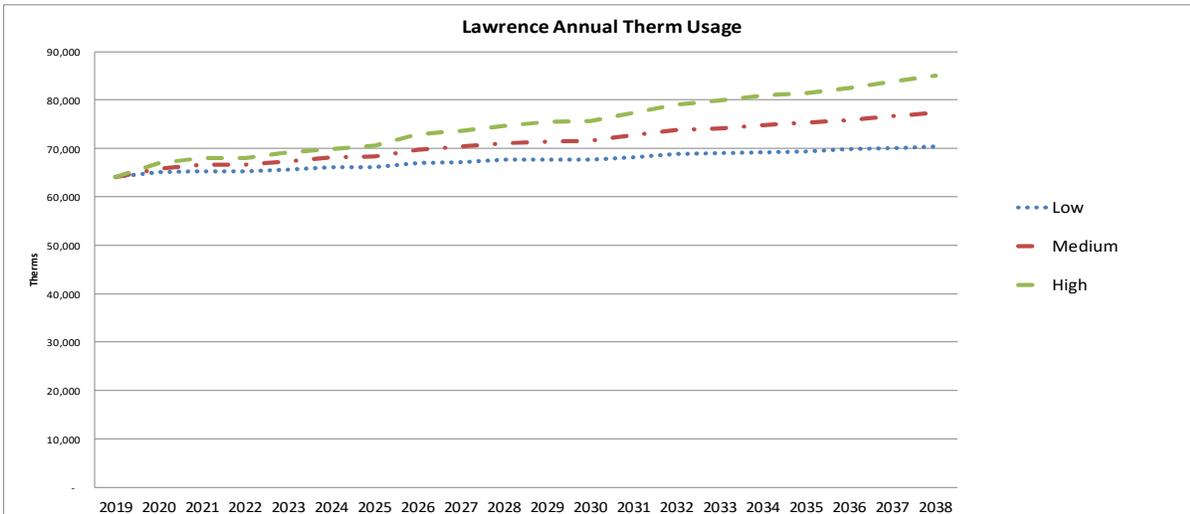
Table with columns: Year, Annual Requirements (Therms) (Low, Medium, High), Annual Change (Low, Medium, High), Heating, BaseLoad, Total. Rows 2019-2038.

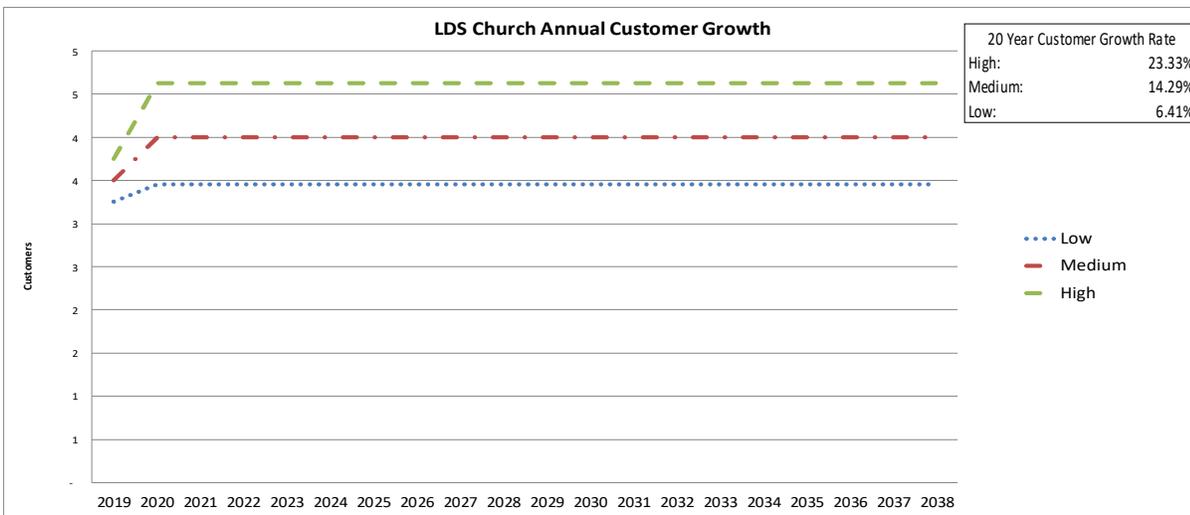
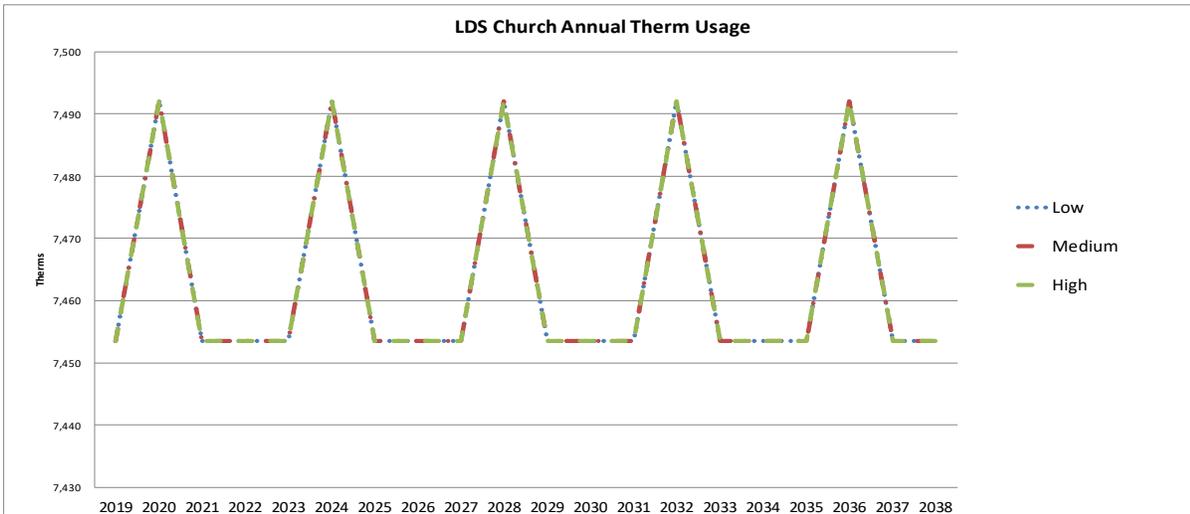
Table with columns: Year, Peak Day - BaseLoad (Low, Medium, High), Annual Change (Low, Medium, High), Daily BaseLoad, Peak, Total, Base, Peak, Total, Base, Peak, Total. Rows 2019-2038.

Table with columns: Year, Therms Usage by Class (Low, Medium, High), Annual Change (Low, Medium, High), Res, Com/Ind, Total, Res, Com/Ind, Total, Res, Com/Ind, Total, Res, Com/Ind, Total. Rows 2019-2038.

Table with columns: Year, Customer Count Forecast (Low, Medium, High), Annual Change (Low, Medium, High), Res, Com/Ind, Total, Res, Com/Ind, Total, Res, Com/Ind, Total, Res, Com/Ind, Total. Rows 2019-2038.







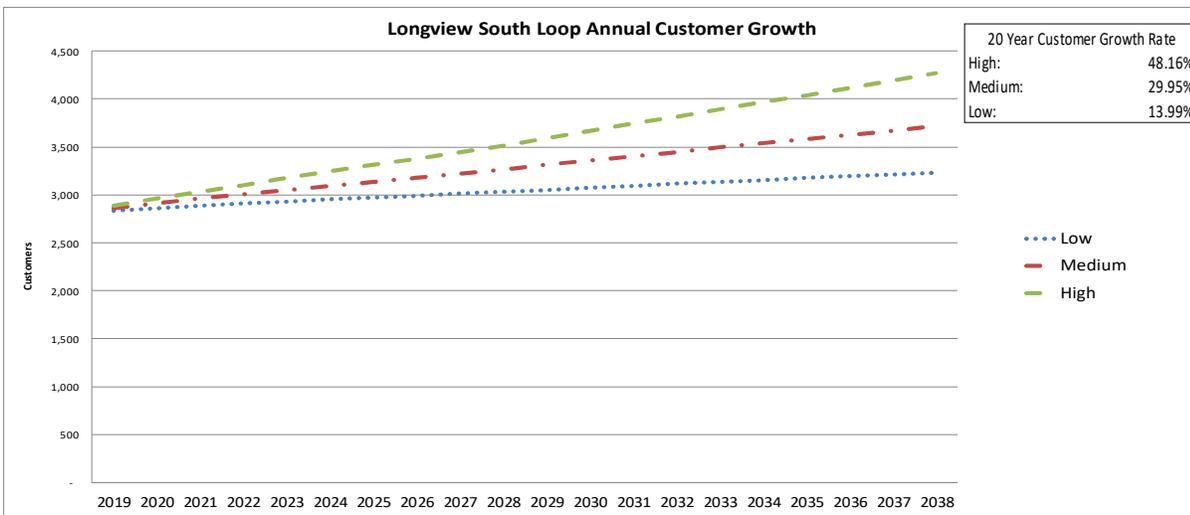
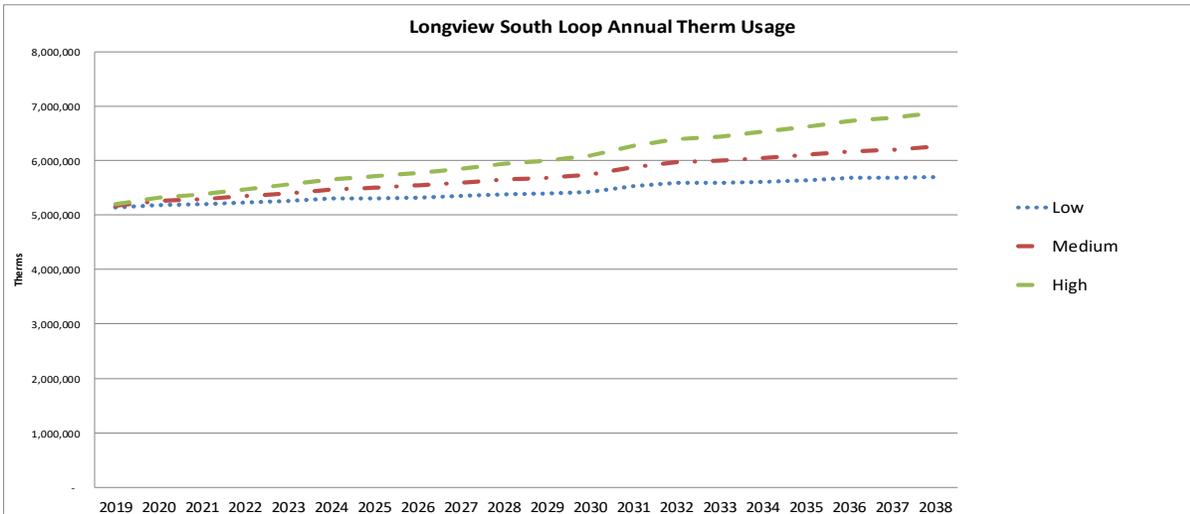
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Table with columns: Annual Requirements (Therms) and Annual Change. Sub-section: Longview South Loop. Rows: 2019-2038. Columns include Heating, Baseload, Total for Low, Medium, High categories.

Table with columns: Annual Change. Sub-section: Peak Day - Baseload. Rows: 2019-2038. Columns include Base, Peak, Total for Low, Medium, High categories.

Table with columns: Annual Change. Sub-section: Therms Usage by Class. Rows: 2019-2038. Columns include Res, Com/Ind, Total for Low, Medium, High categories.

Table with columns: Annual Change. Sub-section: Customer Count Forecast. Rows: 2019-2038. Columns include Res, Com/Ind, Total for Low, Medium, High categories.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

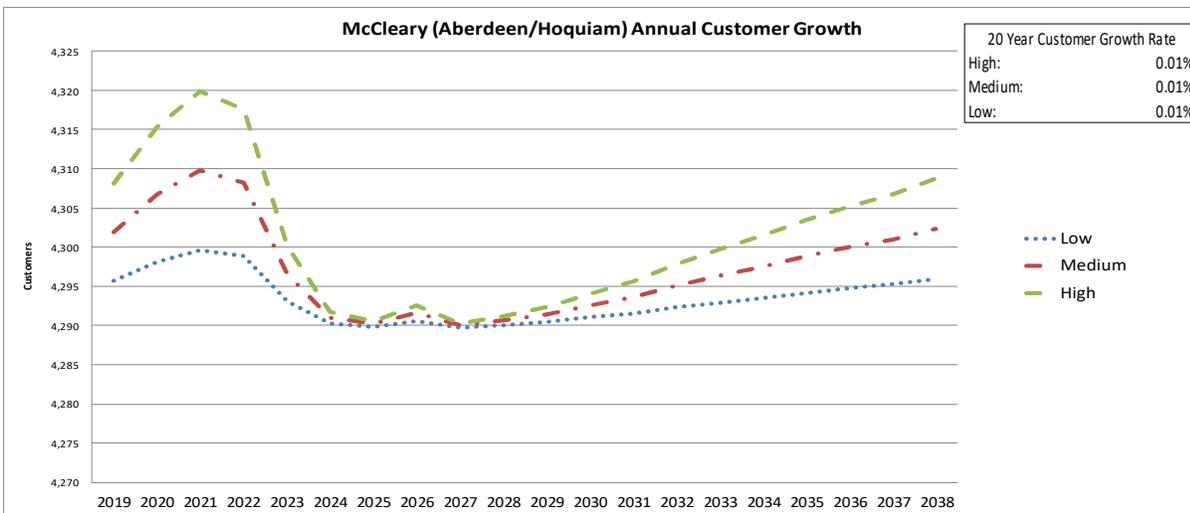
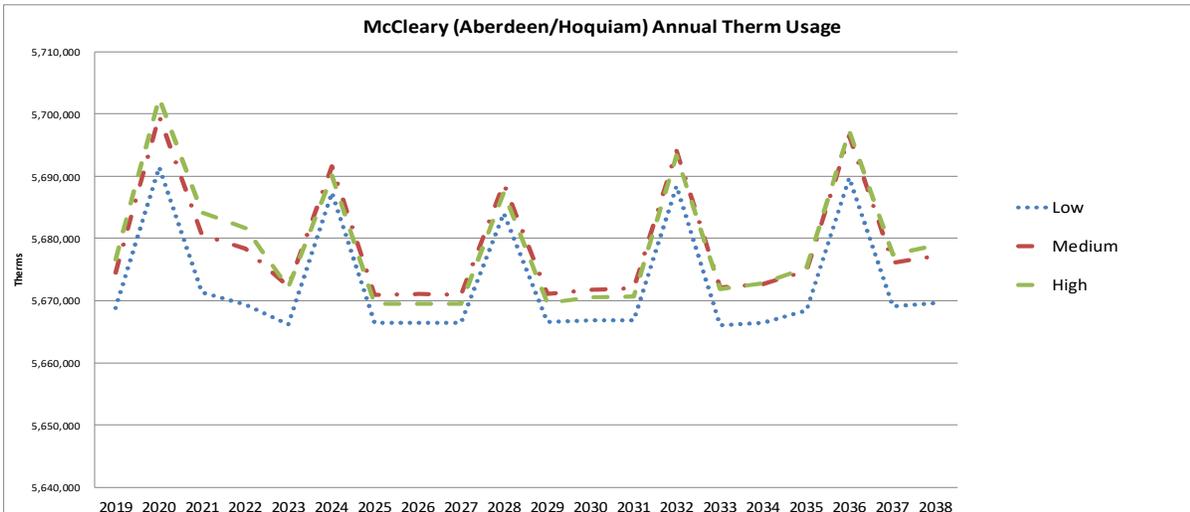
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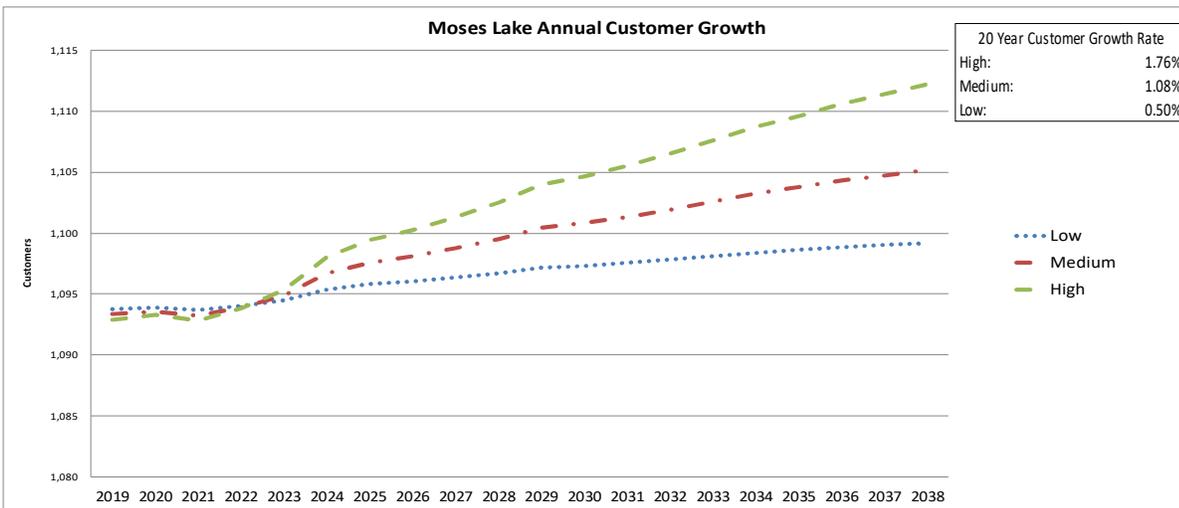
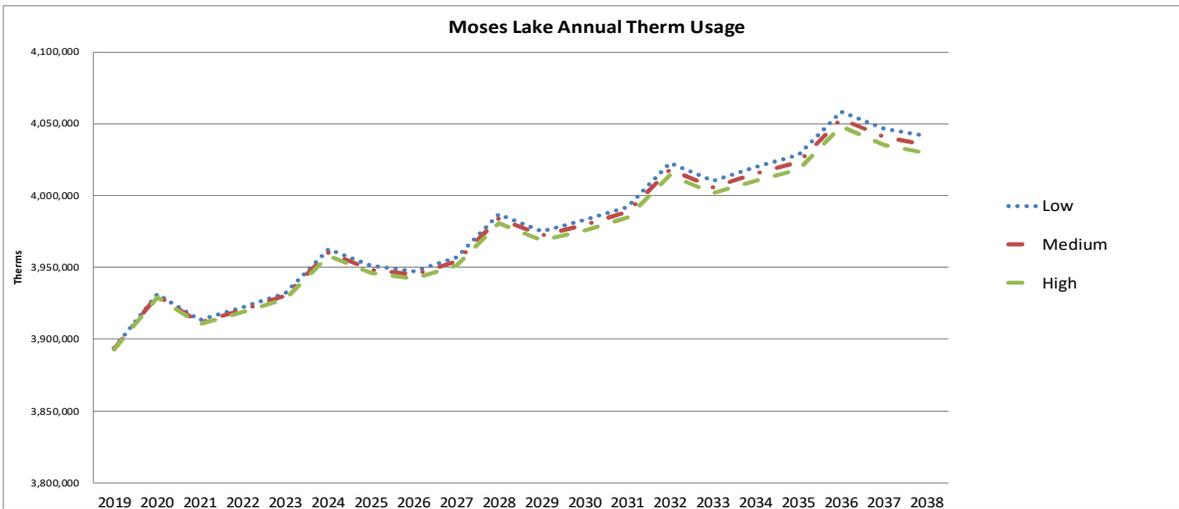
Annual Requirements (Therms) table with columns for Heating, Baseload, Total under Low, Medium, and High categories, and Annual Change.

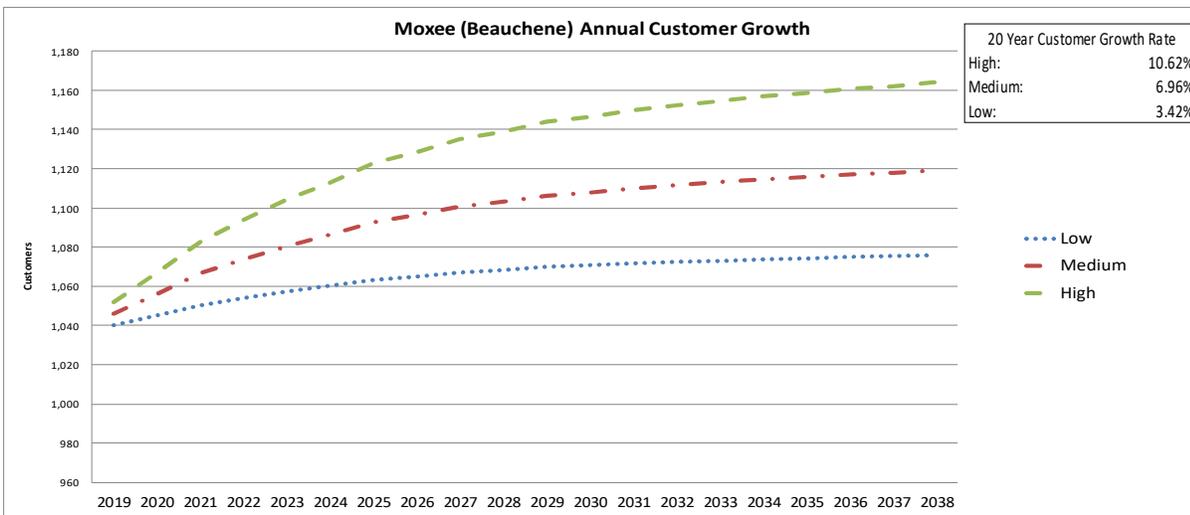
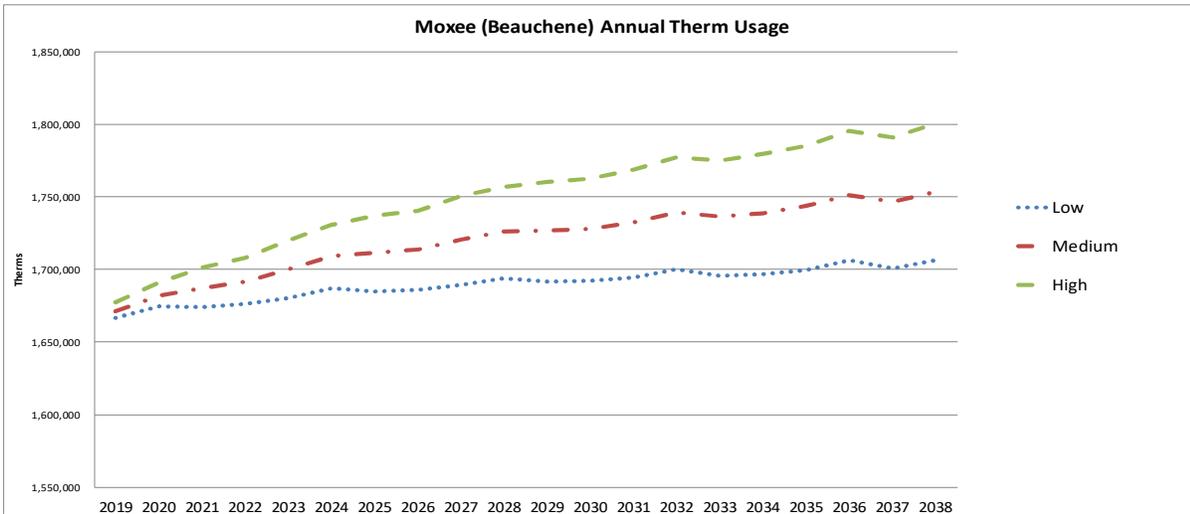
Peak Day - Baseload table with columns for Daily Baseload, Peak, Total under Low, Medium, and High categories, and Annual Change.

Therms Usage by Class table with columns for Res, Com/Ind, Total under Low, Medium, and High categories, and Annual Change.

Customer Count Forecast table with columns for Res, Com/Ind, Total under Low, Medium, and High categories, and Annual Change.

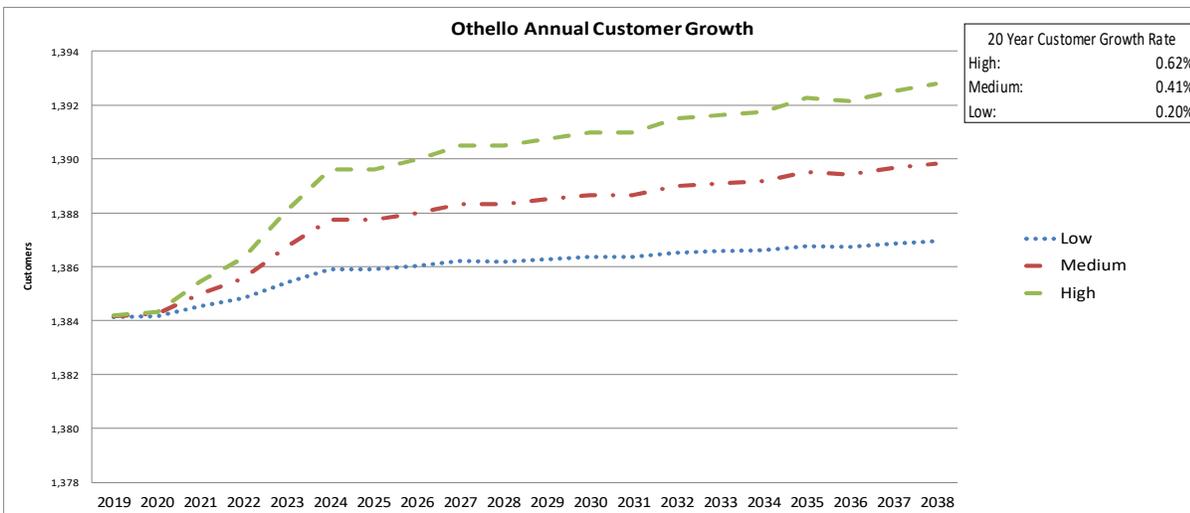
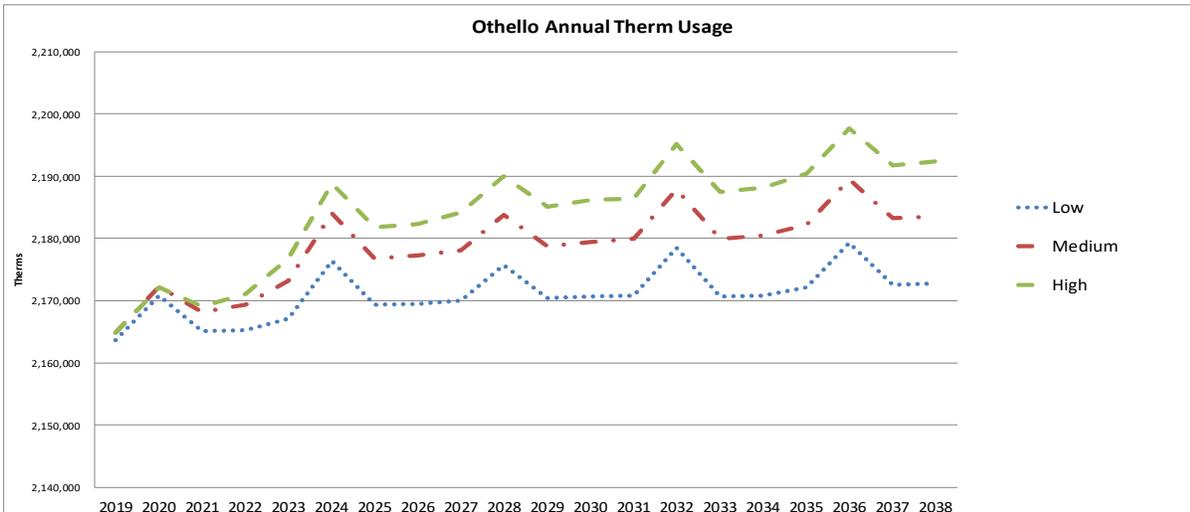


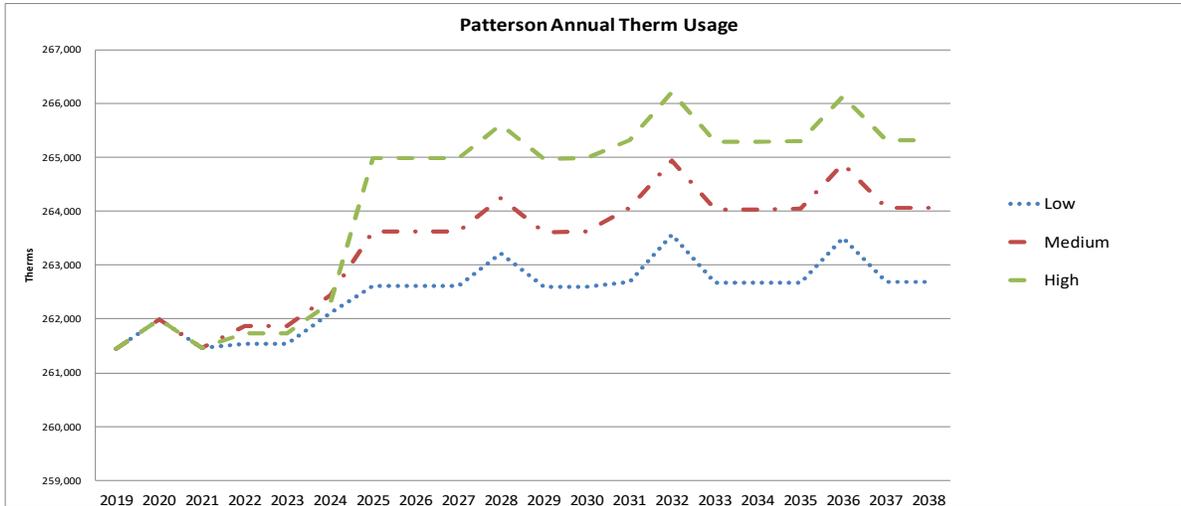


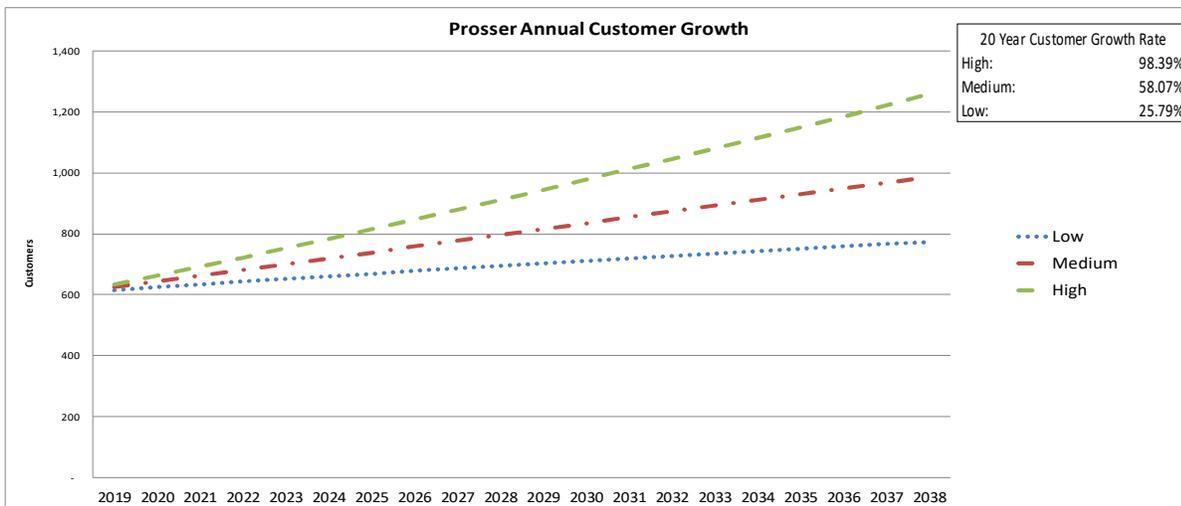
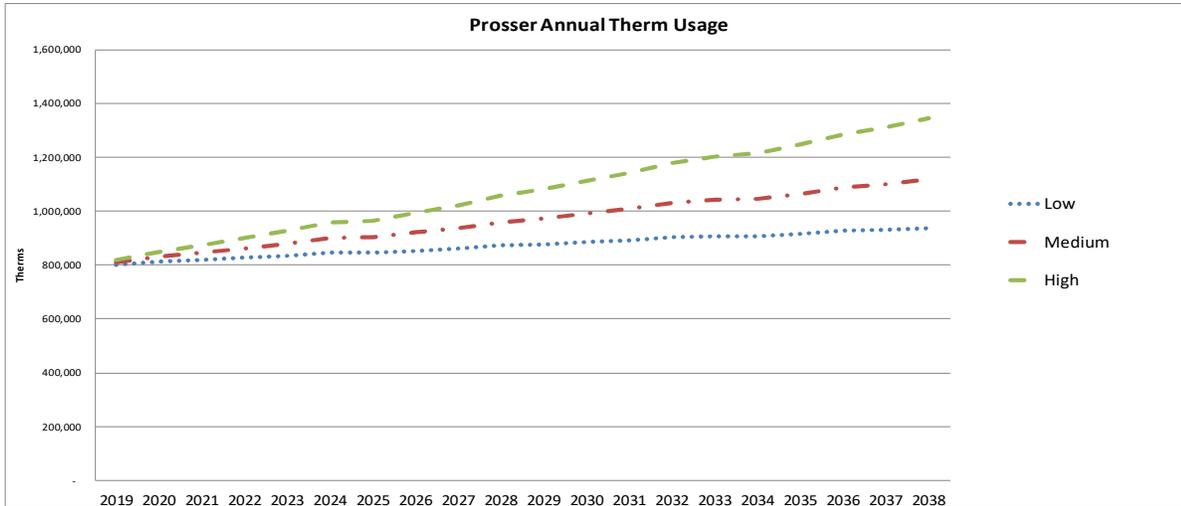


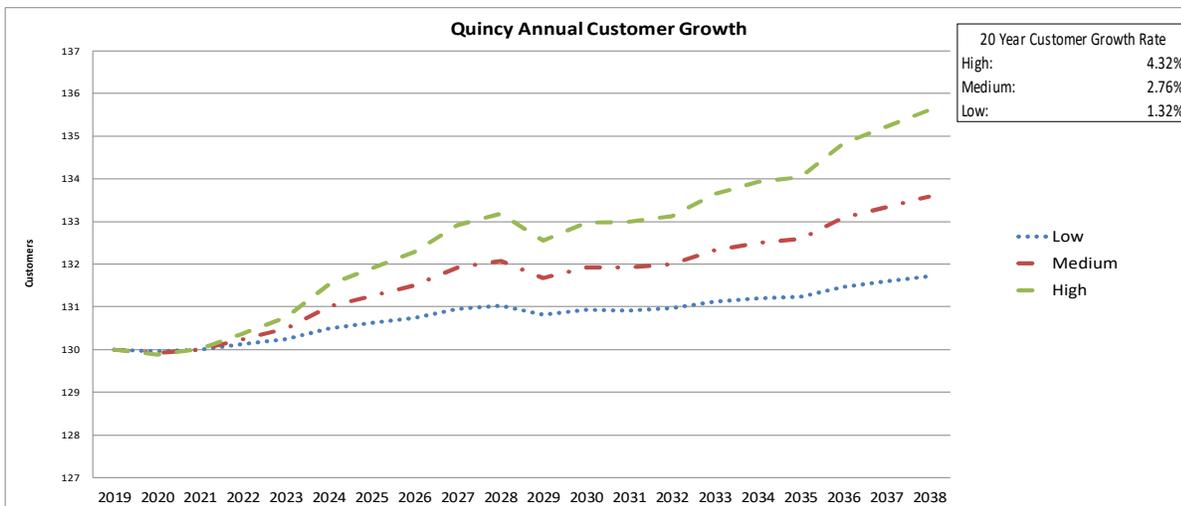
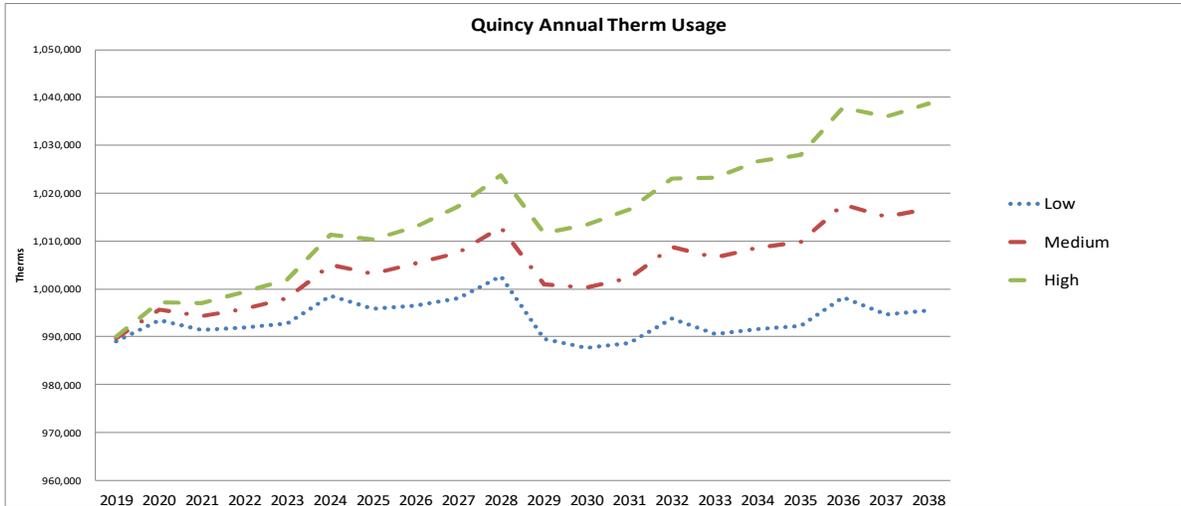
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

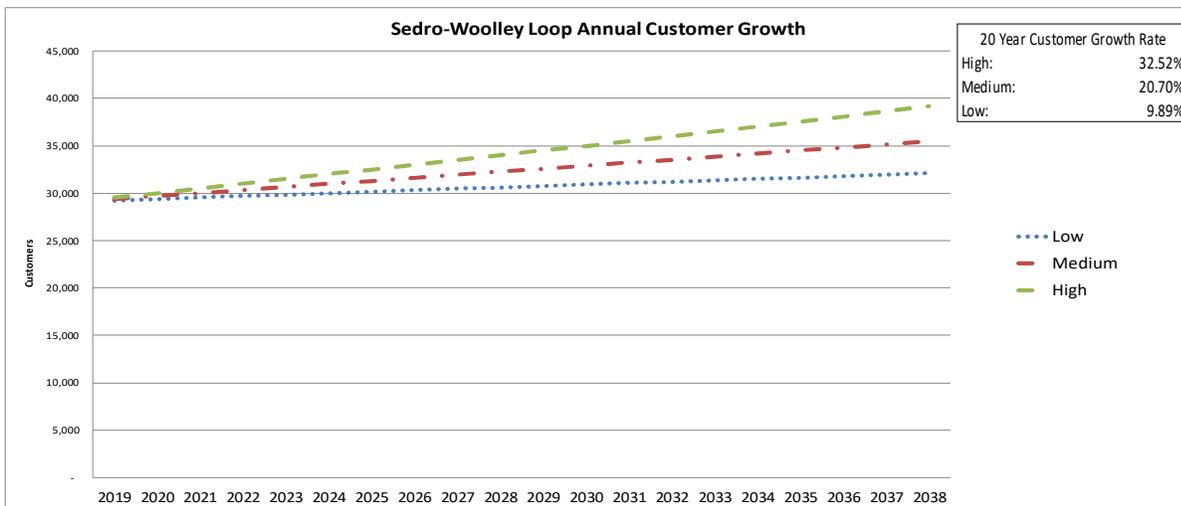
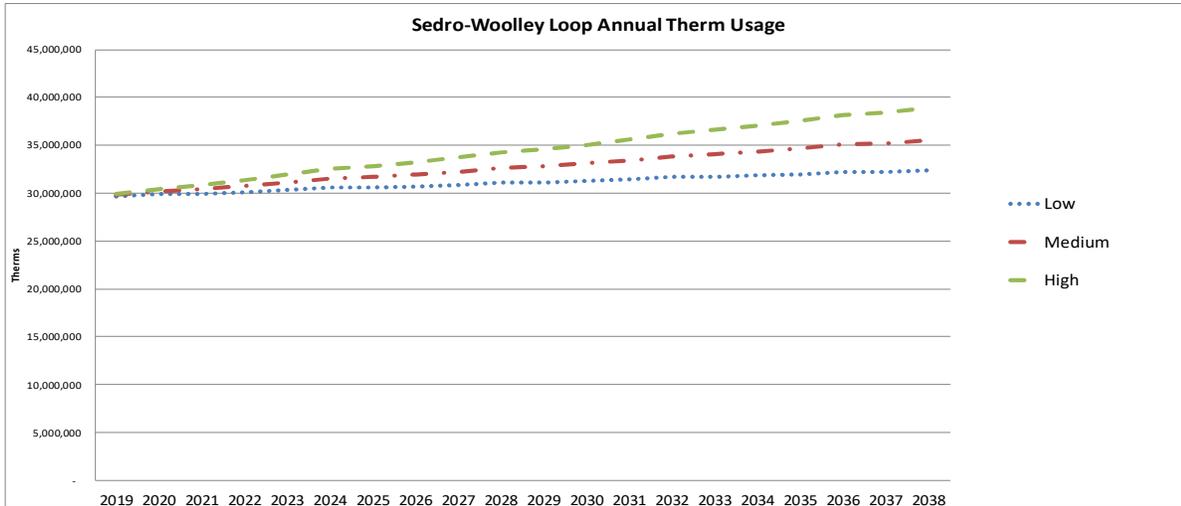
Table with multiple sections: Othello Annual Requirements (Therms), Annual Change, Peak Day - Baseload, Annual Change, Therms Usage by Class, and Customer Count Forecast. Each section contains columns for Low, Medium, High and their respective Annual Change, with rows for years 2019-2038.





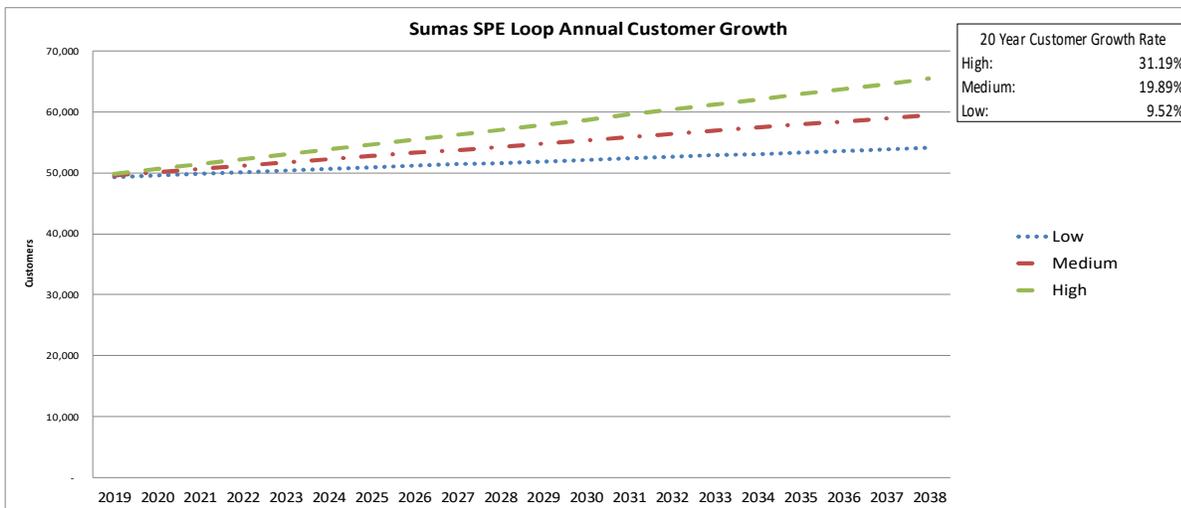
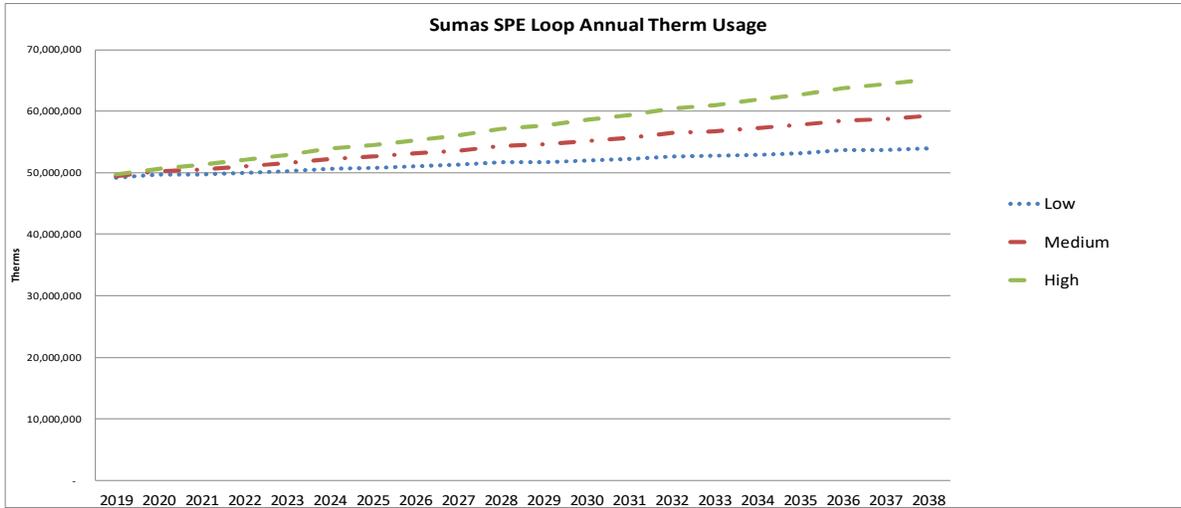






Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Sumas SPE Loop table with columns for Annual Requirements (Therms), Annual Change, Peak Day - BaseLoad, Therms Usage by Class, and Customer Count Forecast. Rows include years 2019-2038 and various demand metrics.



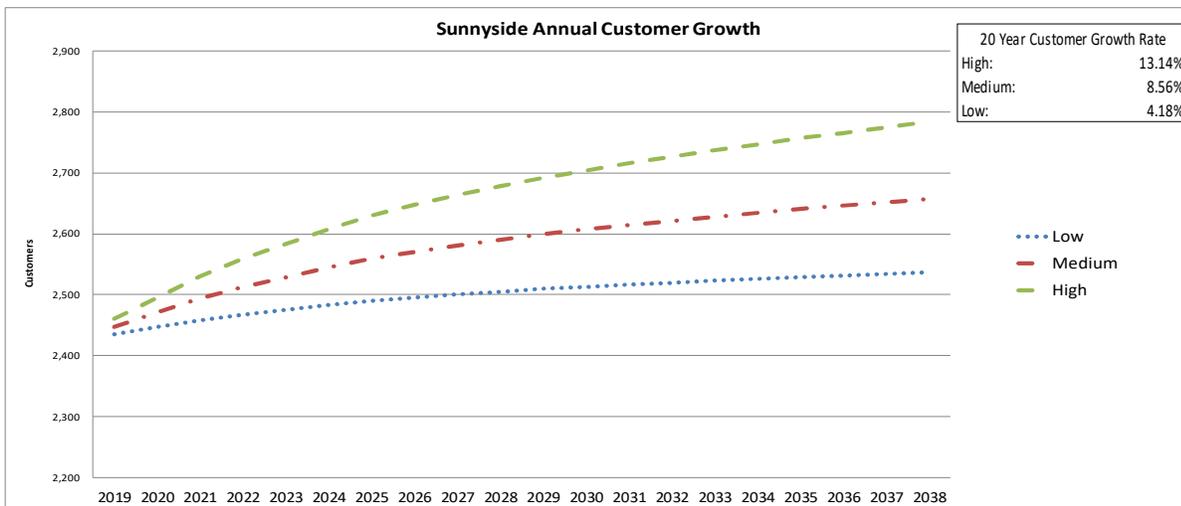
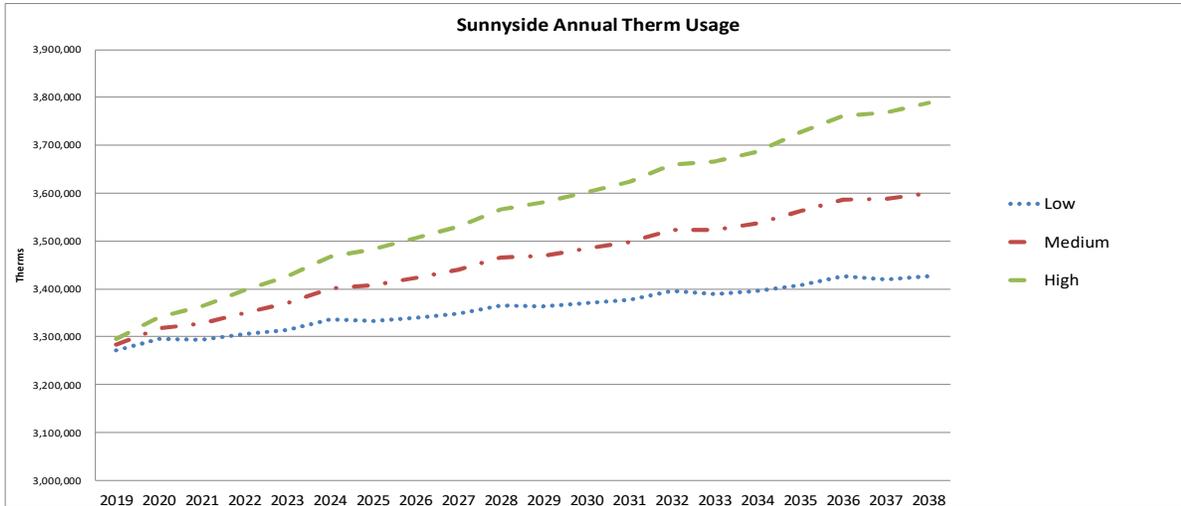
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Sunnyside Annual Requirements (Therms) table with columns for Low, Medium, High and Annual Change (Low, Medium, High) for years 2019-2038.

Sunnyside Peak Day - Base Load table with columns for Low, Medium, High and Annual Change (Low, Medium, High) for years 2019-2038.

Sunnyside Therms Usage by Class table with columns for Low, Medium, High and Annual Change (Low, Medium, High) for years 2019-2038.

Sunnyside Customer Count Forecast table with columns for Low, Medium, High and Annual Change (Low, Medium, High) for years 2019-2038.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

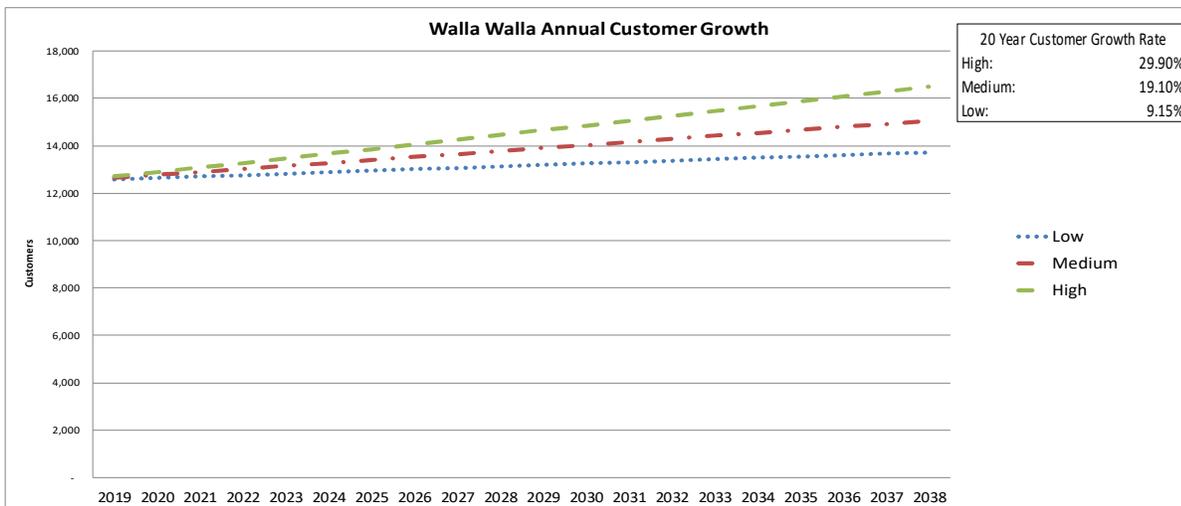
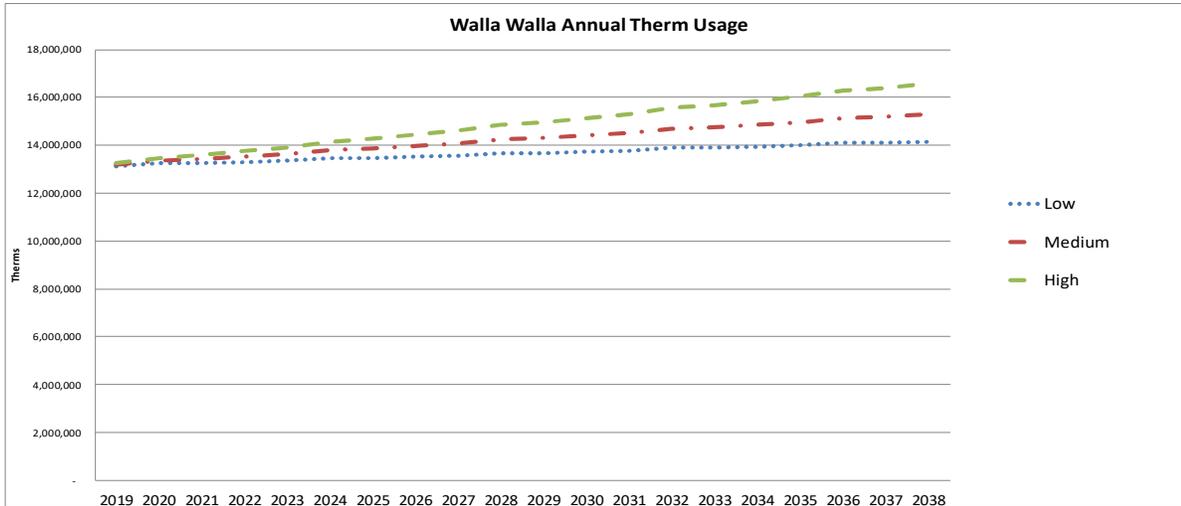
Walla Walla

Table with columns for Annual Requirements (Therms) and Annual Change, categorized by Low, Medium, and High usage levels. Includes sub-columns for Heating, BaseLoad, and Total.

Table with columns for Peak Day - BaseLoad and Annual Change, categorized by Low, Medium, and High usage levels. Includes sub-columns for Base, Peak, and Total.

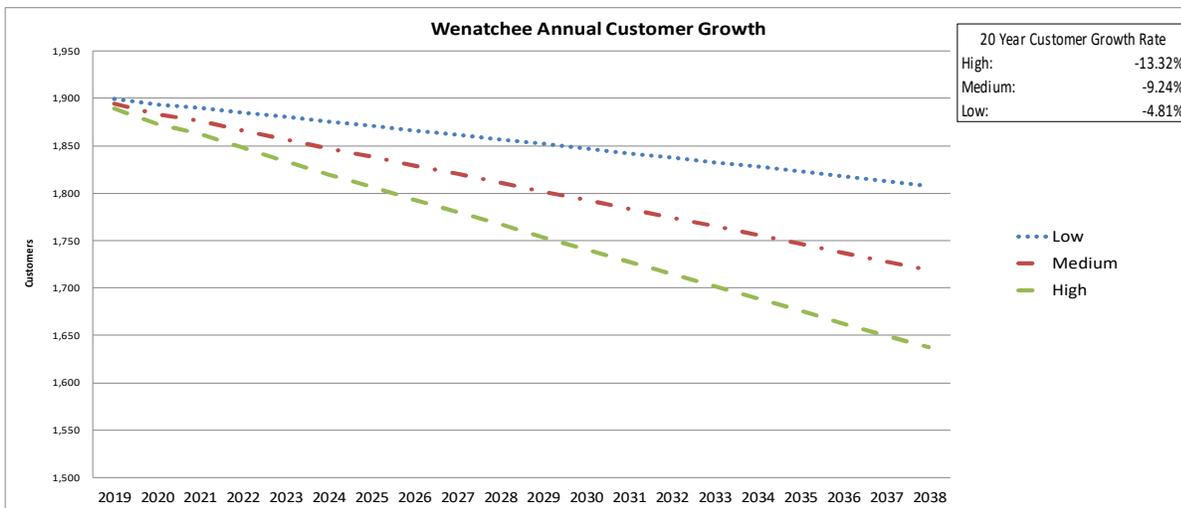
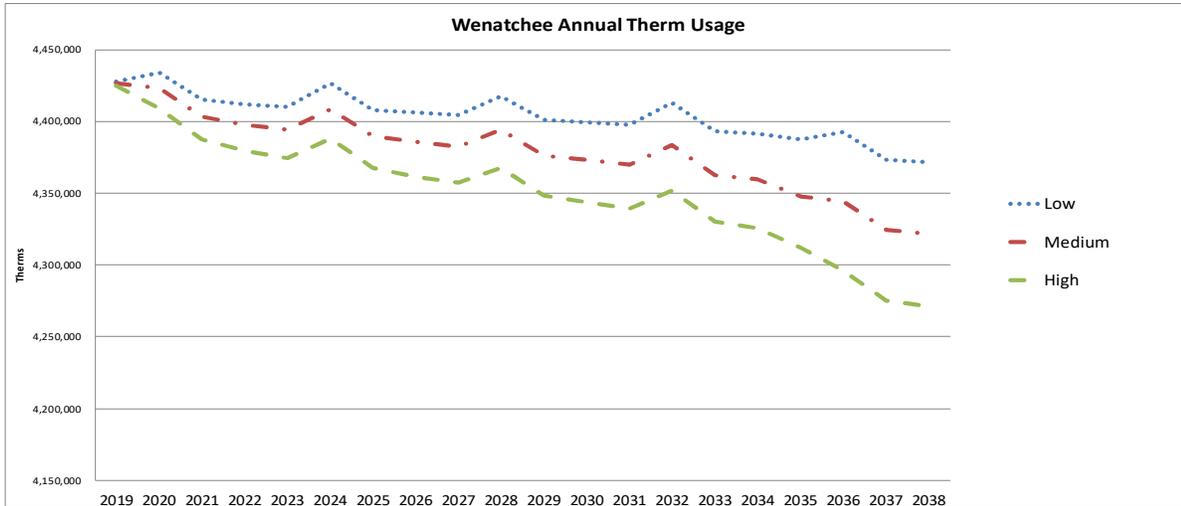
Table with columns for Therms Usage by Class and Annual Change, categorized by Low, Medium, and High usage levels. Includes sub-columns for Res, Com/Ind, and Total.

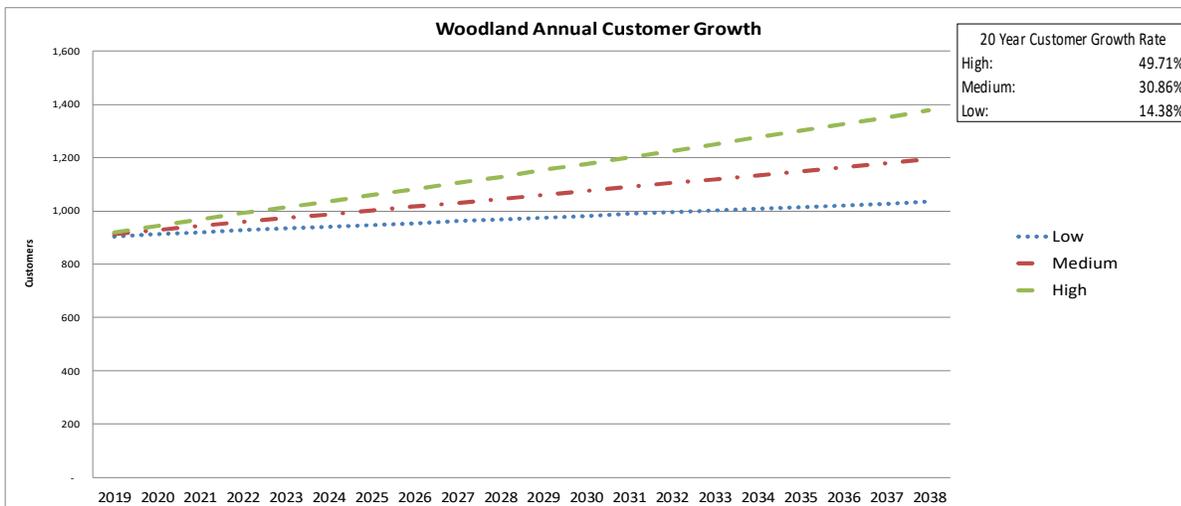
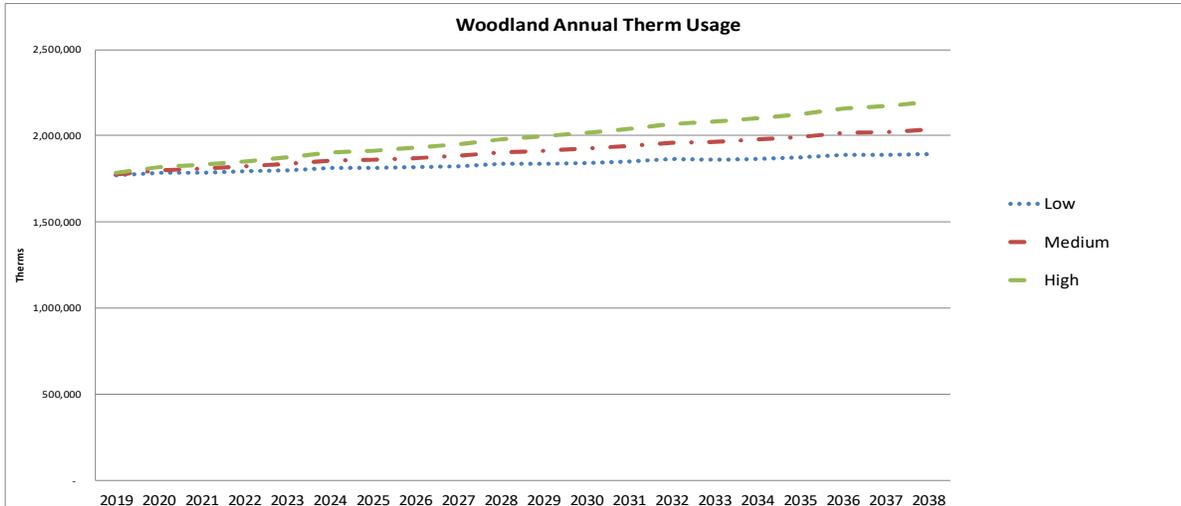
Table with columns for Customer Count Forecast and Annual Change, categorized by Low, Medium, and High usage levels. Includes sub-columns for Res, Com/Ind, and Total.

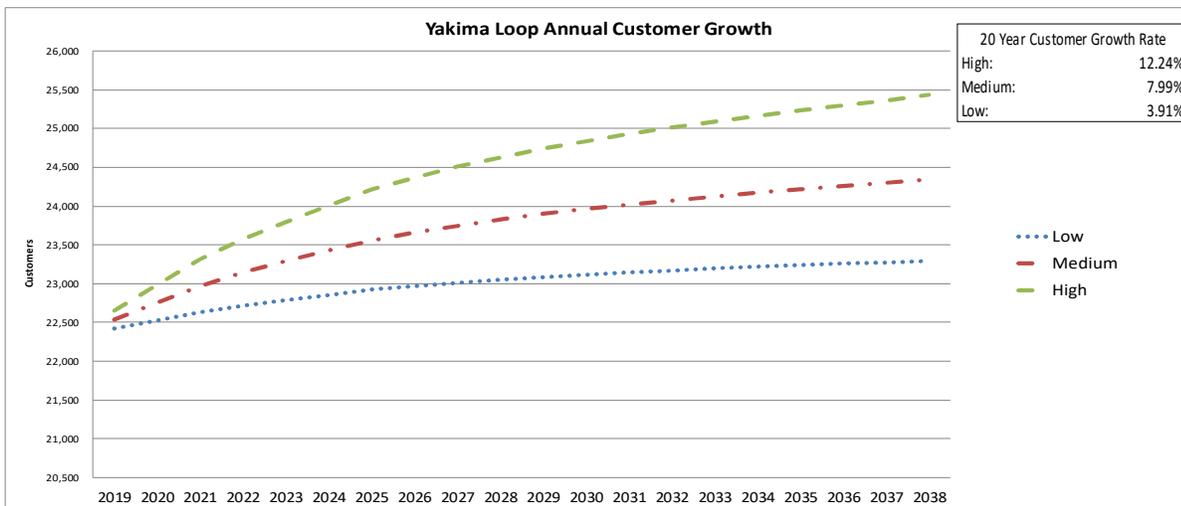
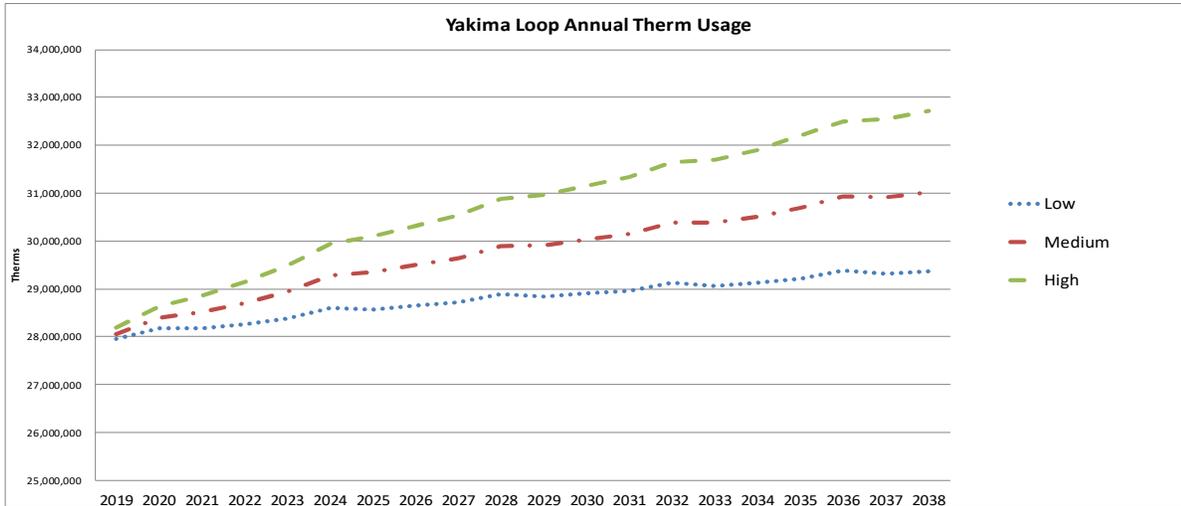


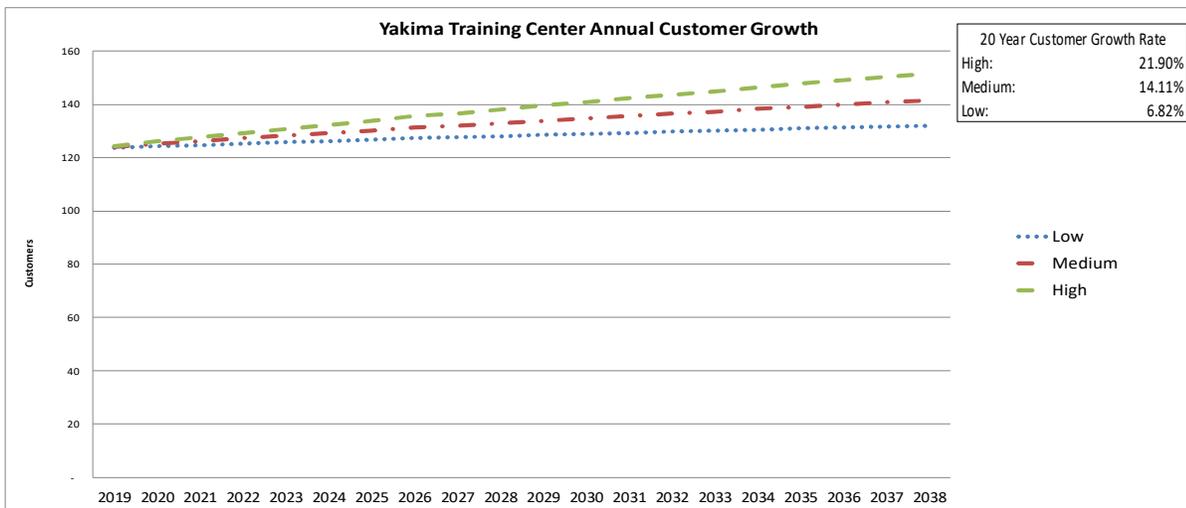
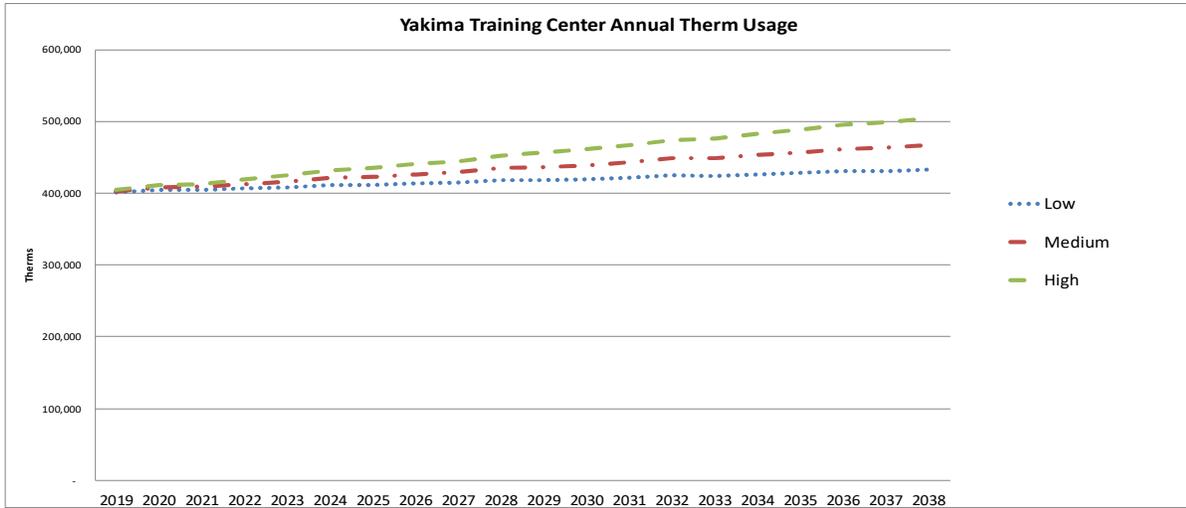
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Wenatchee Annual Requirements (Therms) and Annual Change tables. The document contains three main tables: Annual Requirements (Therms), Peak Day - Baseload, and Thermo Usage by Class. Each table includes columns for Low, Medium, and High demand scenarios, with sub-columns for Heating, Baseload, and Total. Annual Change columns show percentage variations for each scenario.









Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

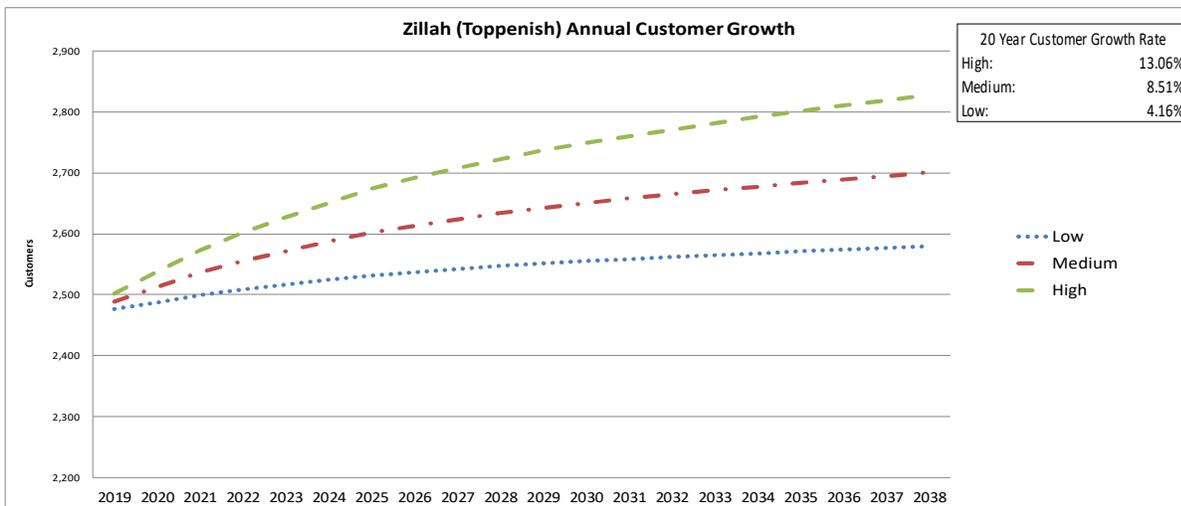
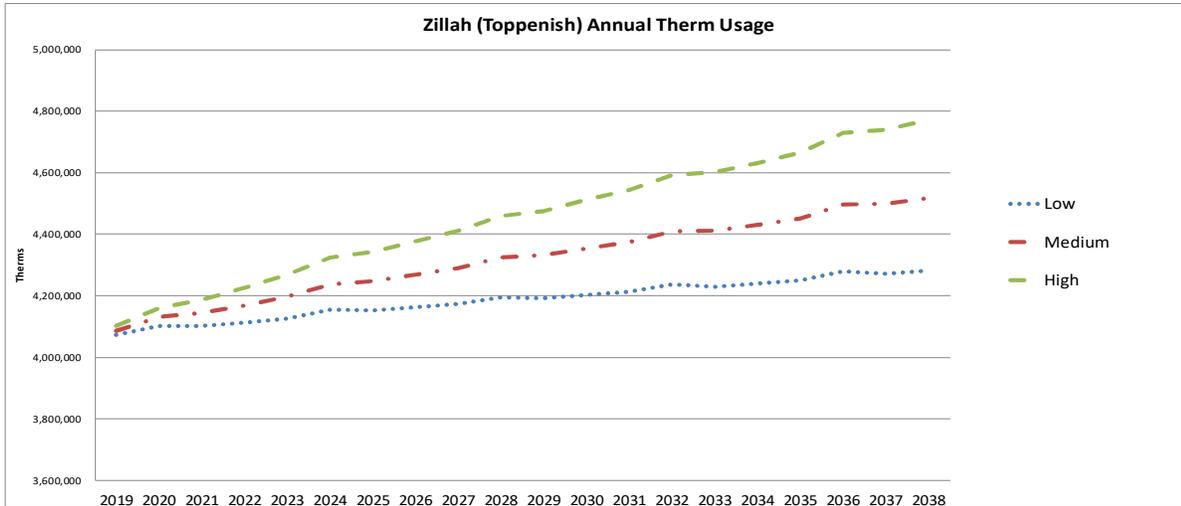
Zillah (Toppenish)

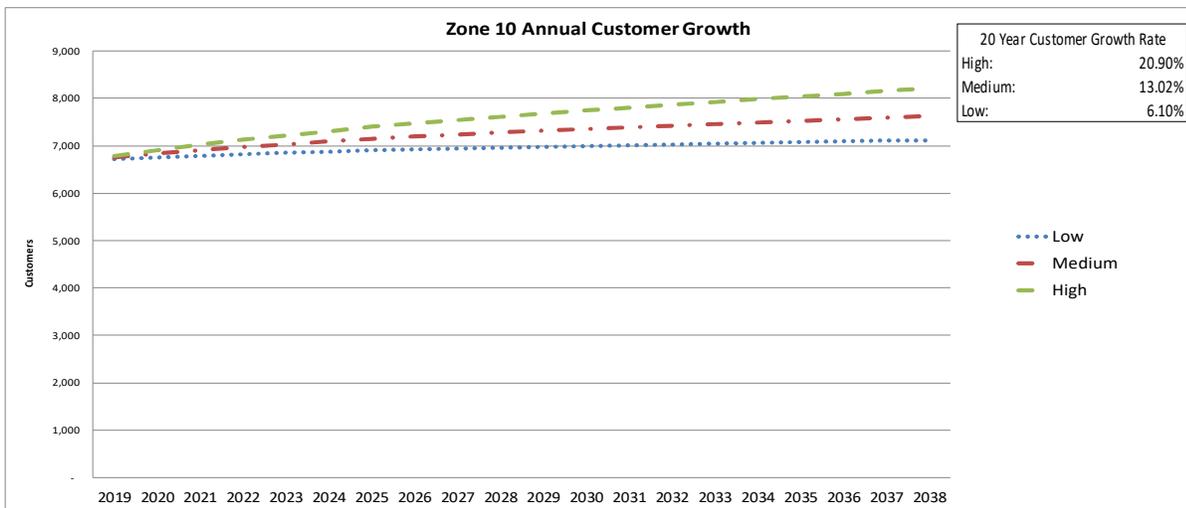
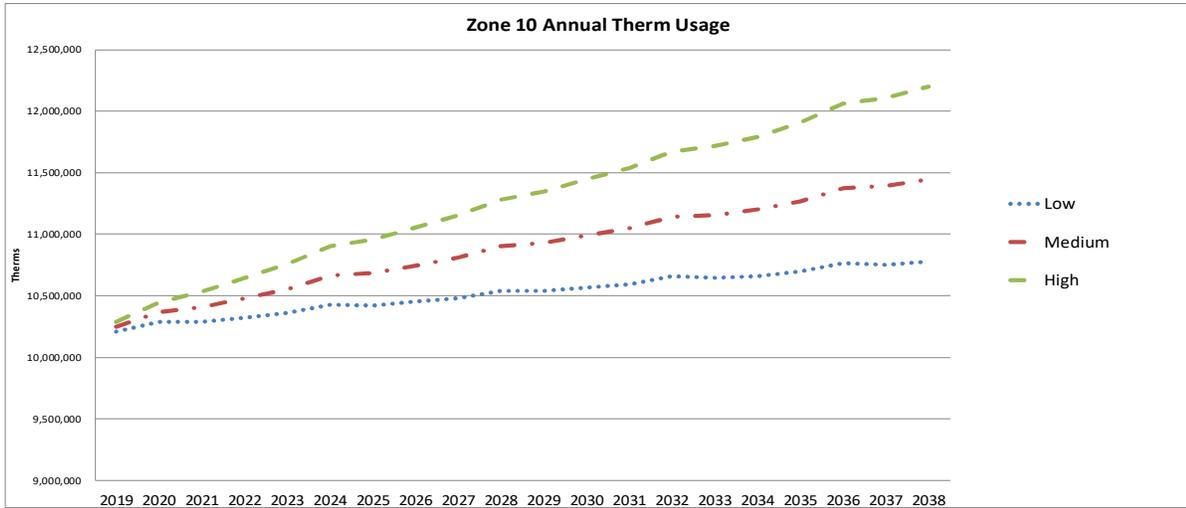
Table with columns for Annual Requirements (Therms) and Annual Change. Sub-headers include Low, Medium, High for Heating, BaseLoad, and Total. Rows 2019-2038 show demand values and percentage changes.

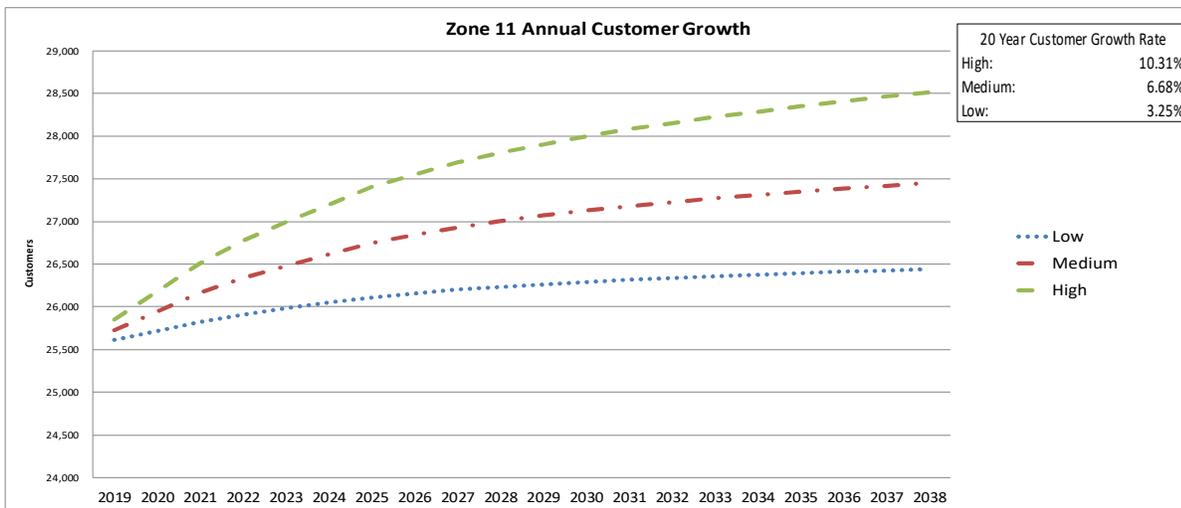
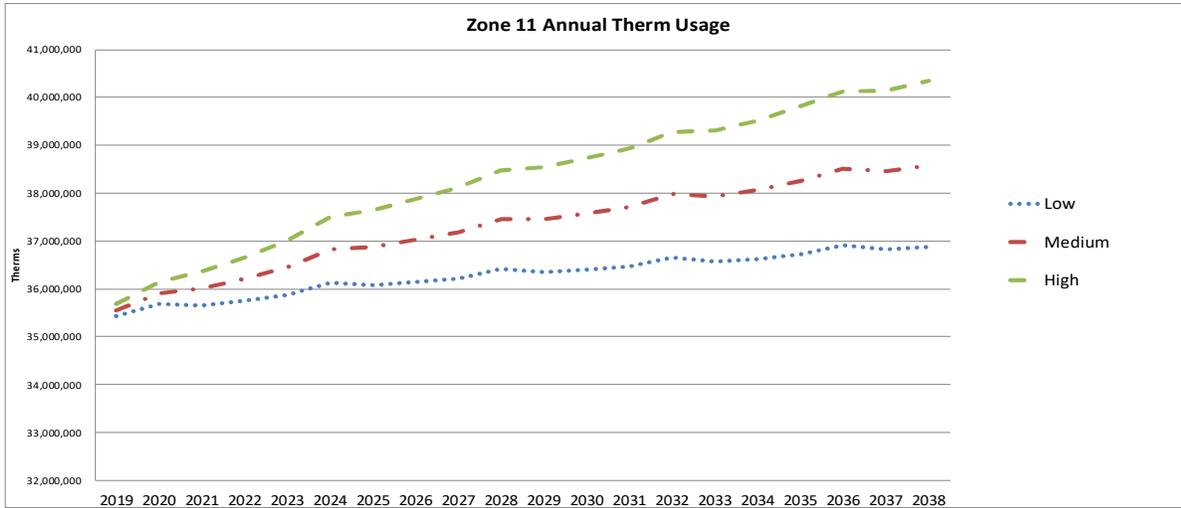
Table with columns for Peak Day - BaseLoad and Annual Change. Sub-headers include Low, Medium, High for Daily BaseLoad, Peak, and Total. Rows 2019-2038 show peak day demand values and percentage changes.

Table with columns for Therms Usage by Class and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038 show usage values and percentage changes.

Table with columns for Customer Count Forecast and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038 show customer count values and percentage changes.

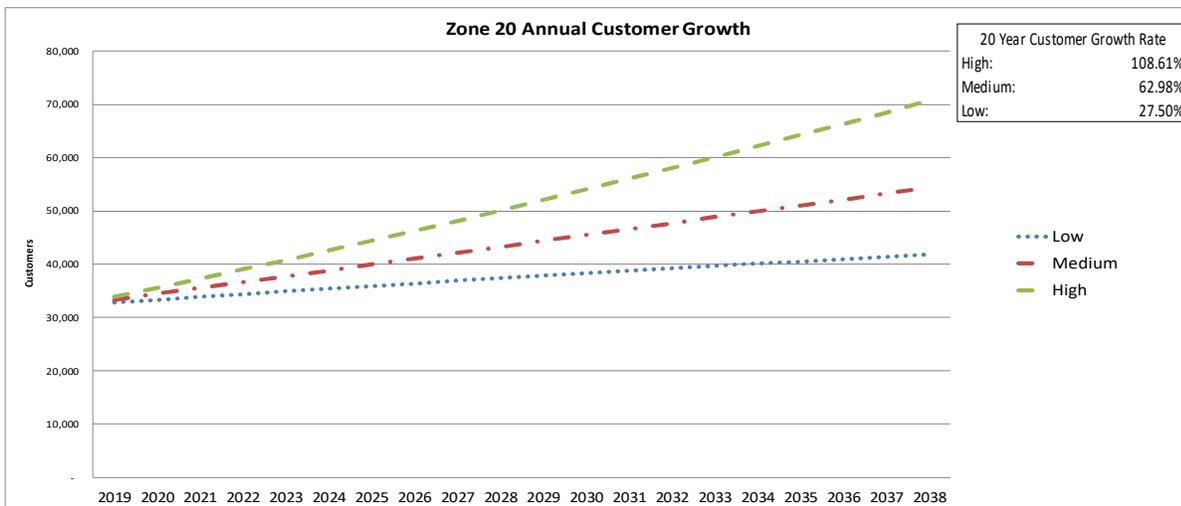
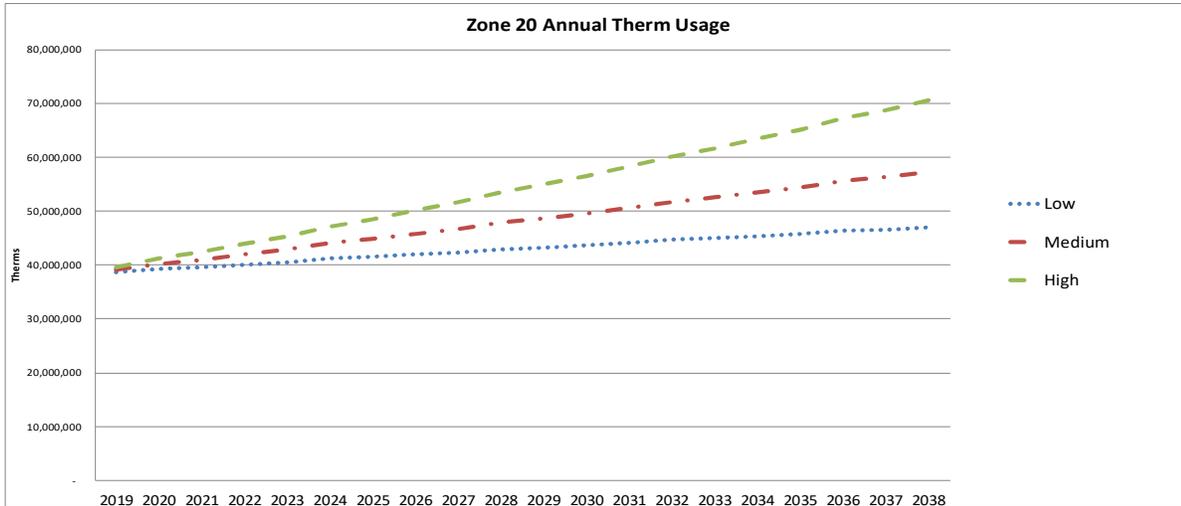


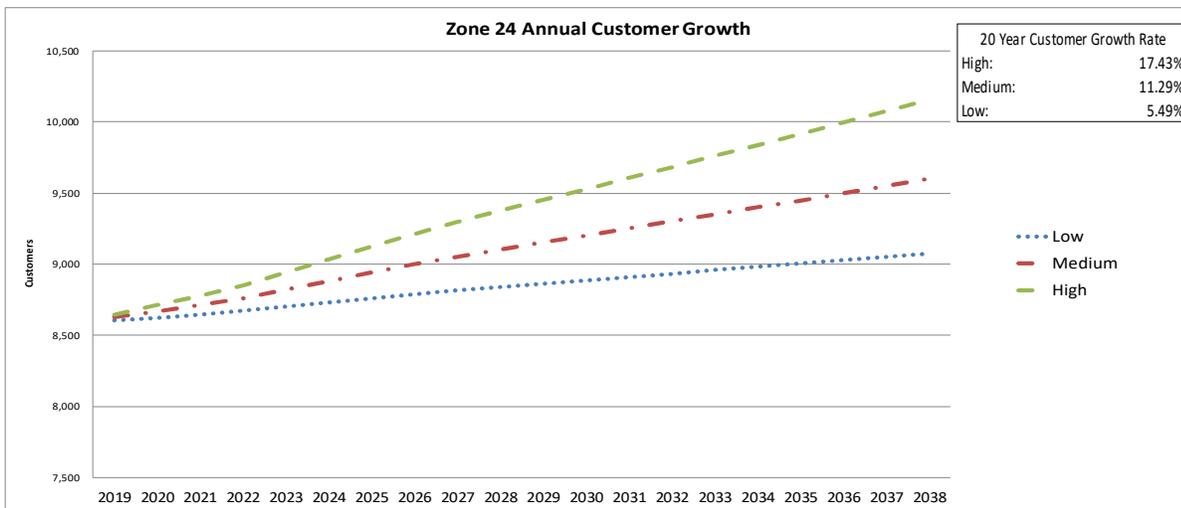
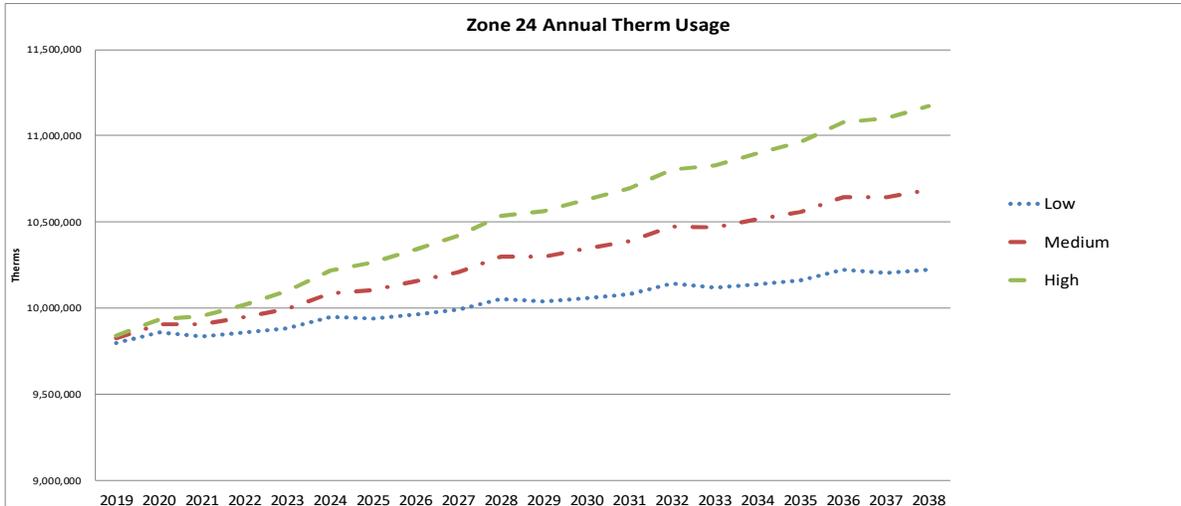




Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Table with 4 main sections: Zone 20 Annual Requirements (Therms), Peak Day - Baseload, Therms Usage by Class, and Customer Count Forecast. Each section contains multiple columns for Low, Medium, and High demand scenarios across various years (2019-2038).





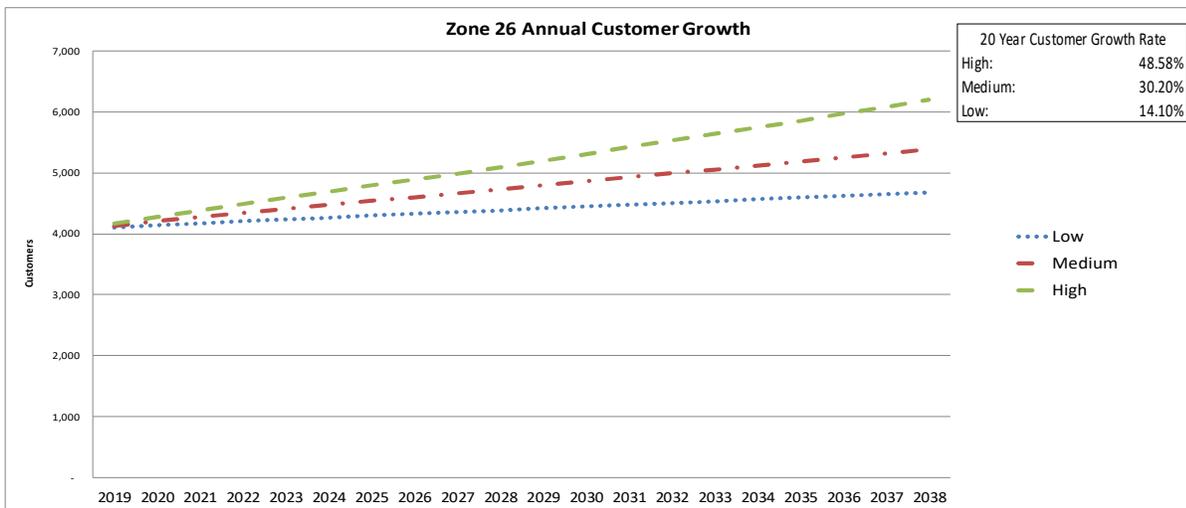
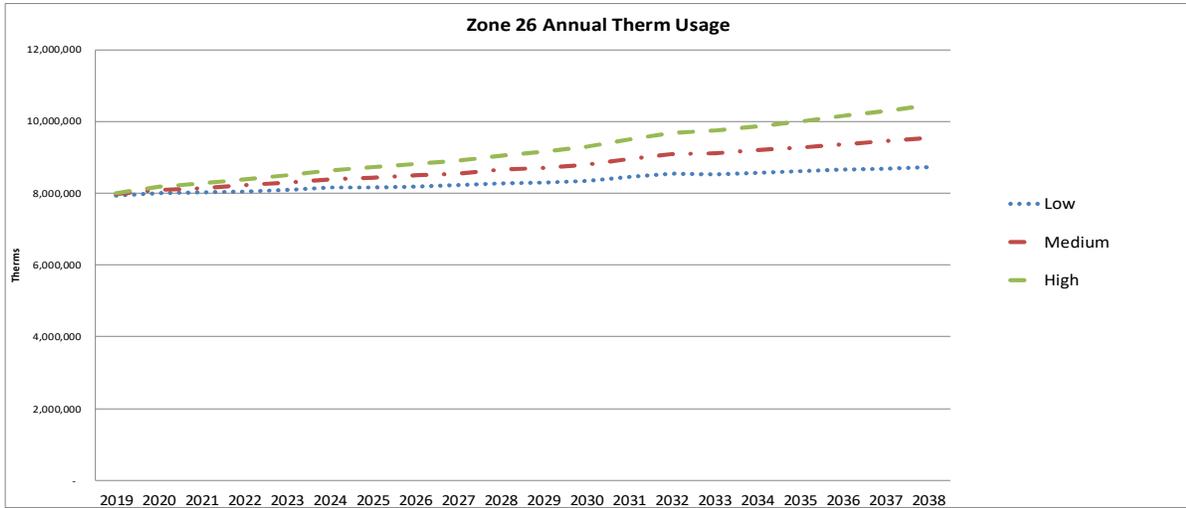
Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Table 26: Annual Requirements (Therms) and Annual Change. Columns include Heating, Baseload, Total for Low, Medium, and High categories, plus annual change percentages and values.

Table 27: Peak Day - Baseload and Annual Change. Columns include Daily Baseload, Peak, Total for Low, Medium, and High categories, plus annual change percentages and values.

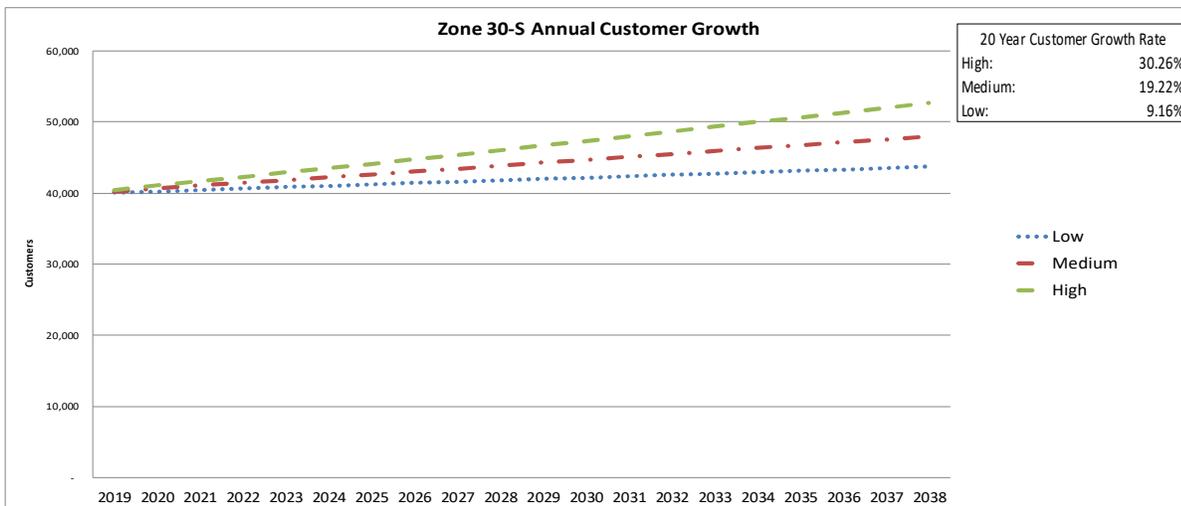
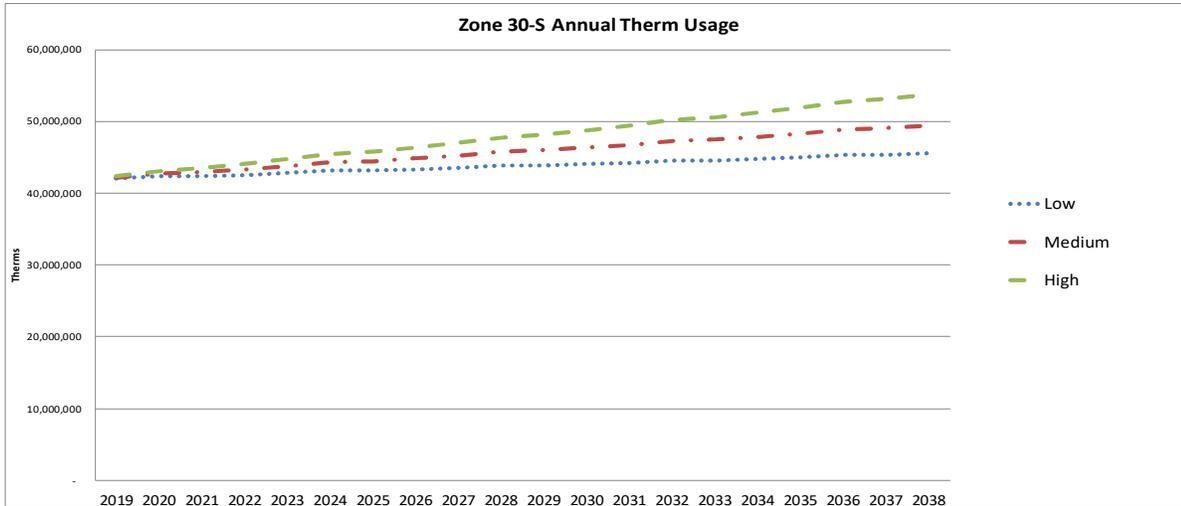
Table 28: Therms Usage by Class and Annual Change. Columns include Res, Com/Ind, Total for Low, Medium, and High categories, plus annual change percentages and values.

Table 29: Customer Count Forecast and Annual Change. Columns include Res, Com/Ind, Total for Low, Medium, and High categories, plus annual change percentages and values.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Main table for Zone 30-S containing Annual Requirements (Therms), Annual Change, Peak Day - BaseLoad, Thermo Usage by Class, and Customer Count Forecast. Each section includes columns for Low, Medium, and High usage levels across various years (2019-2038).



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

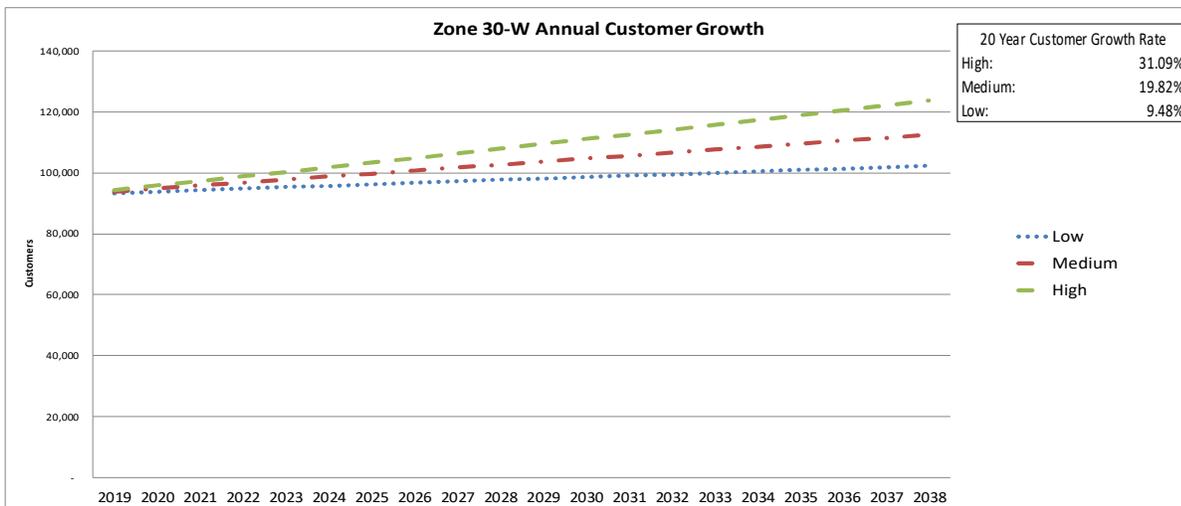
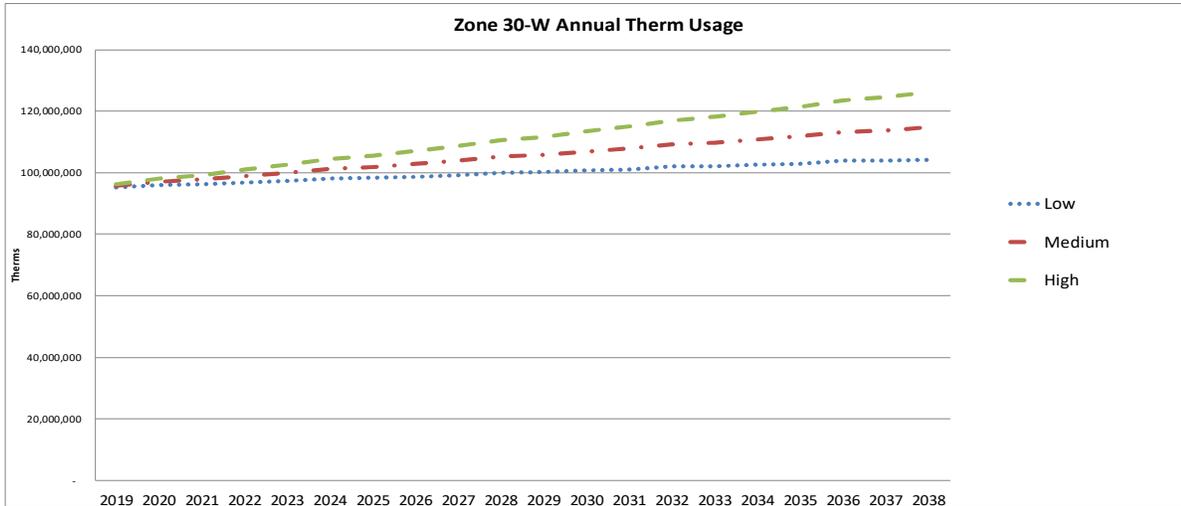
Zone 30-W

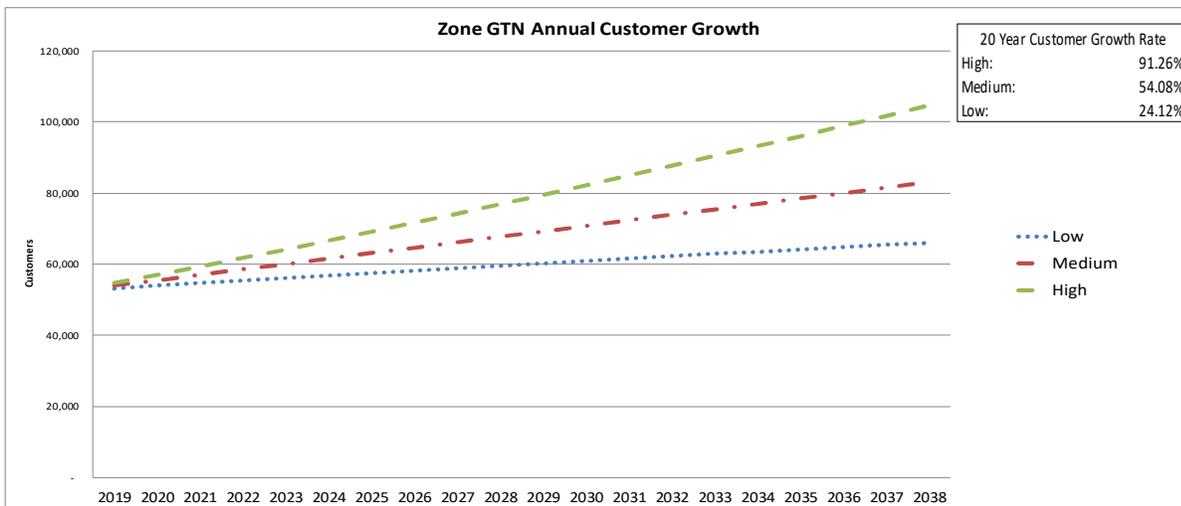
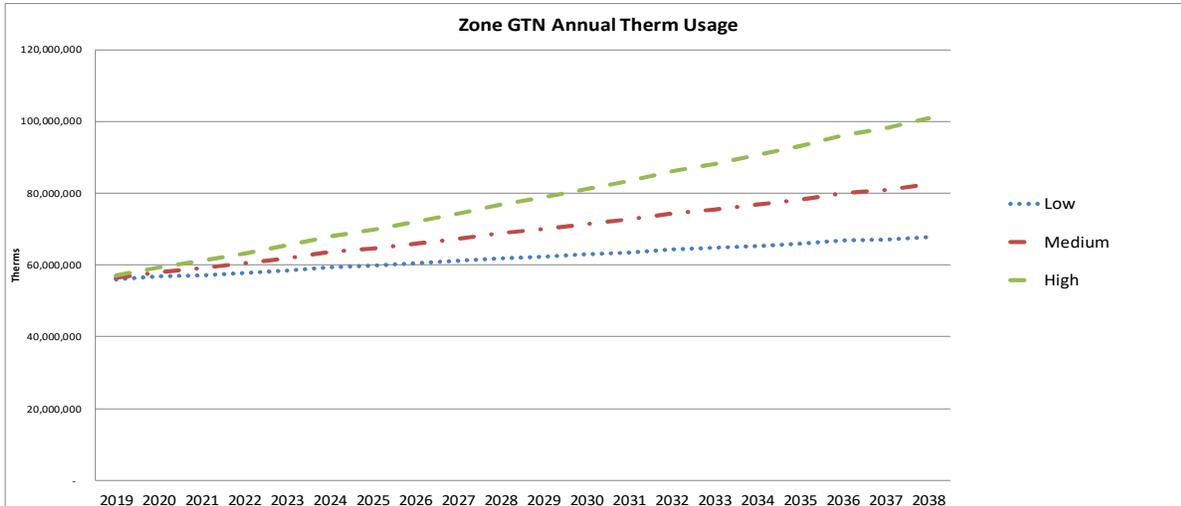
Table with columns for Annual Requirements (Therms) and Annual Change. It includes sub-tables for Low, Medium, and High demand levels across years 2019-2038.

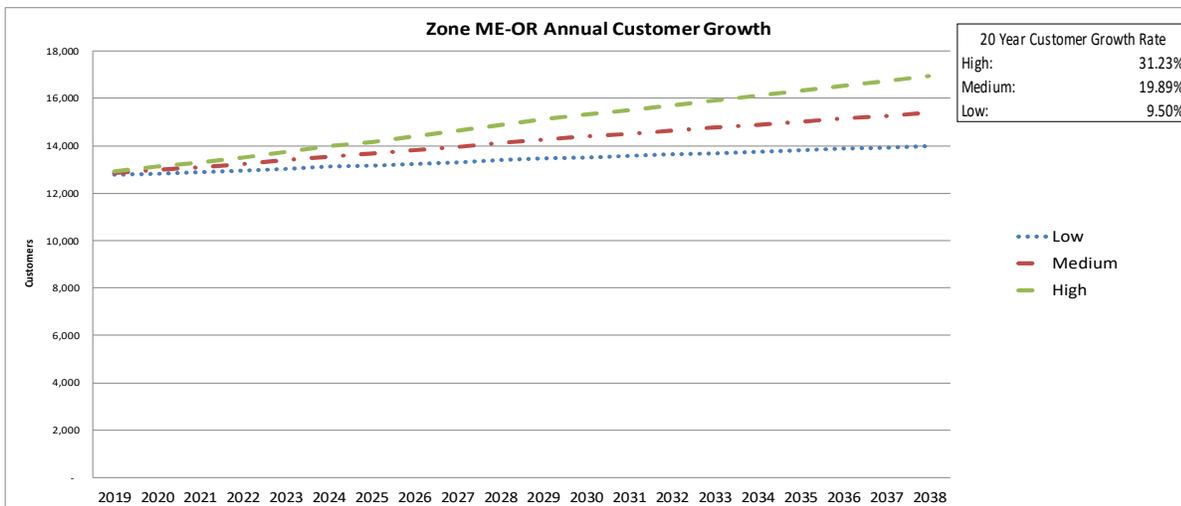
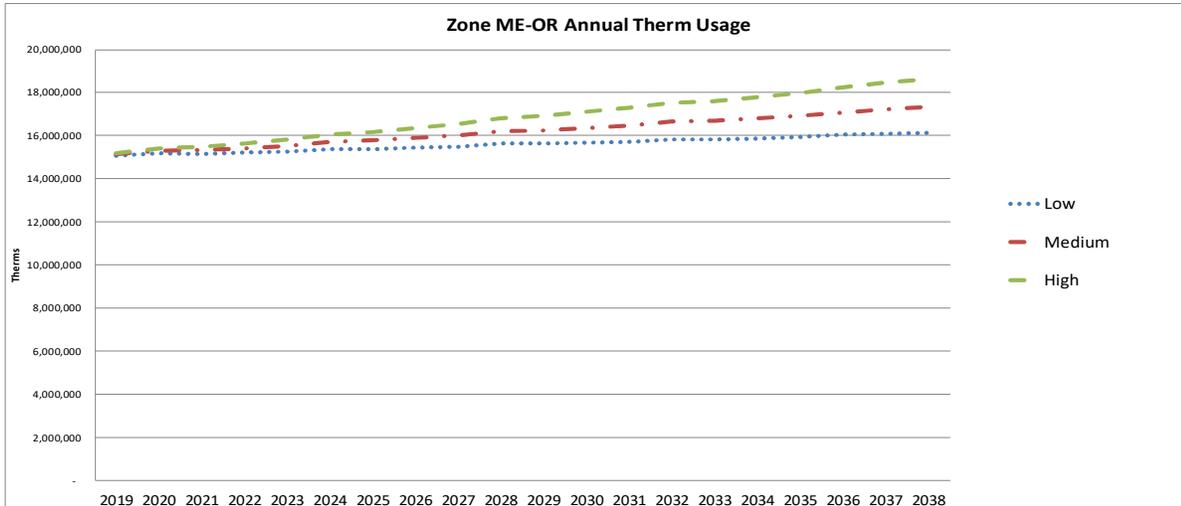
Table with columns for Peak Day - BaseLoad and Annual Change. It includes sub-tables for Low, Medium, and High demand levels across years 2019-2038.

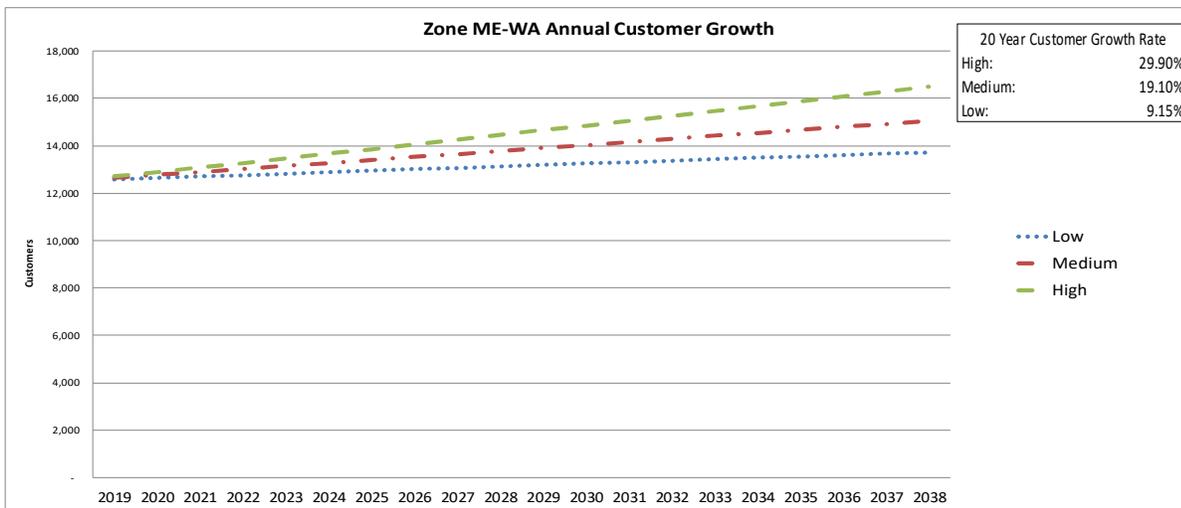
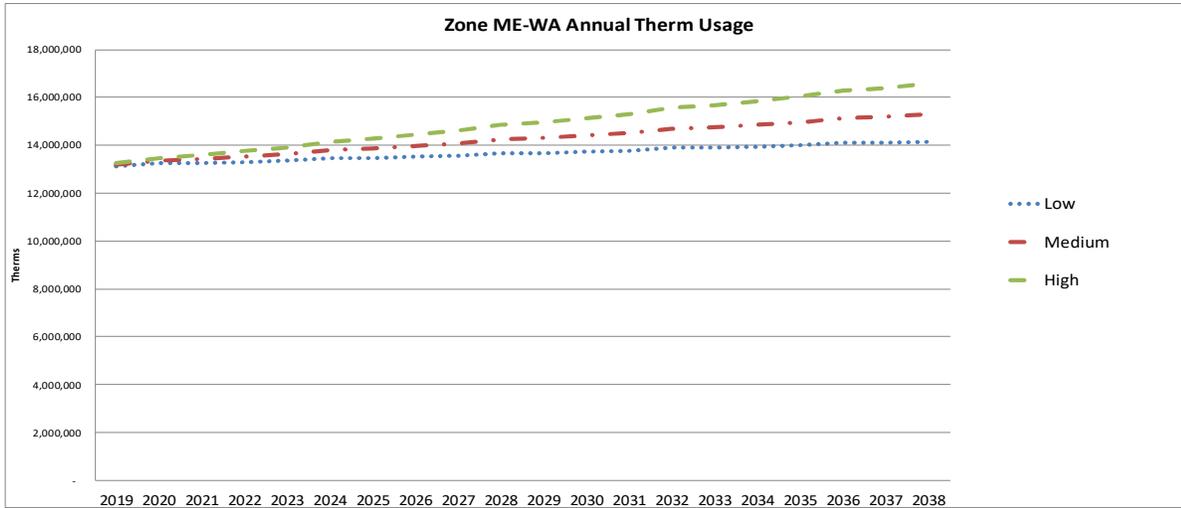
Table with columns for Therms Usage by Class and Annual Change. It includes sub-tables for Low, Medium, and High demand levels across years 2019-2038.

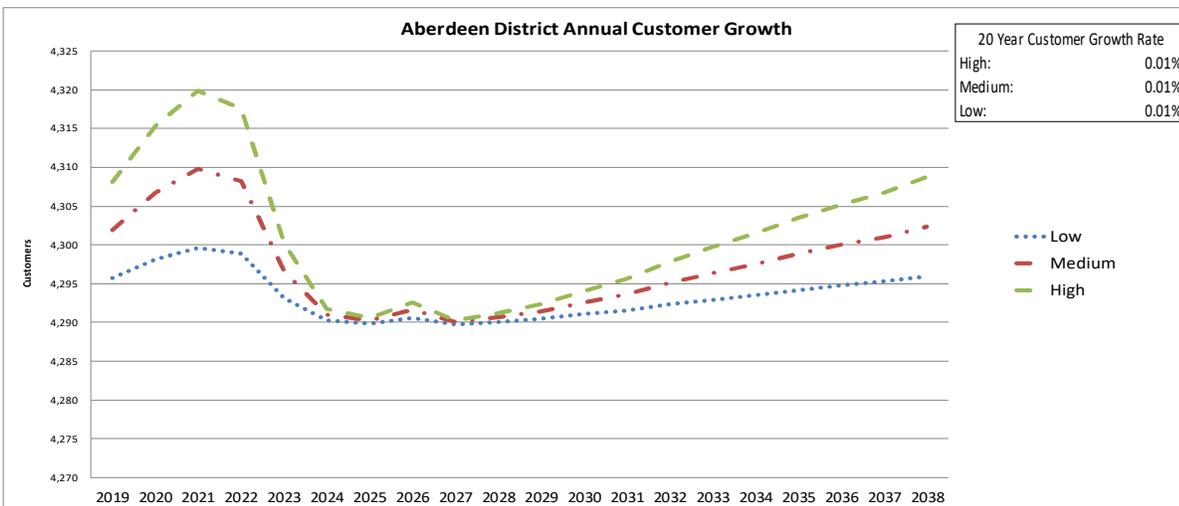
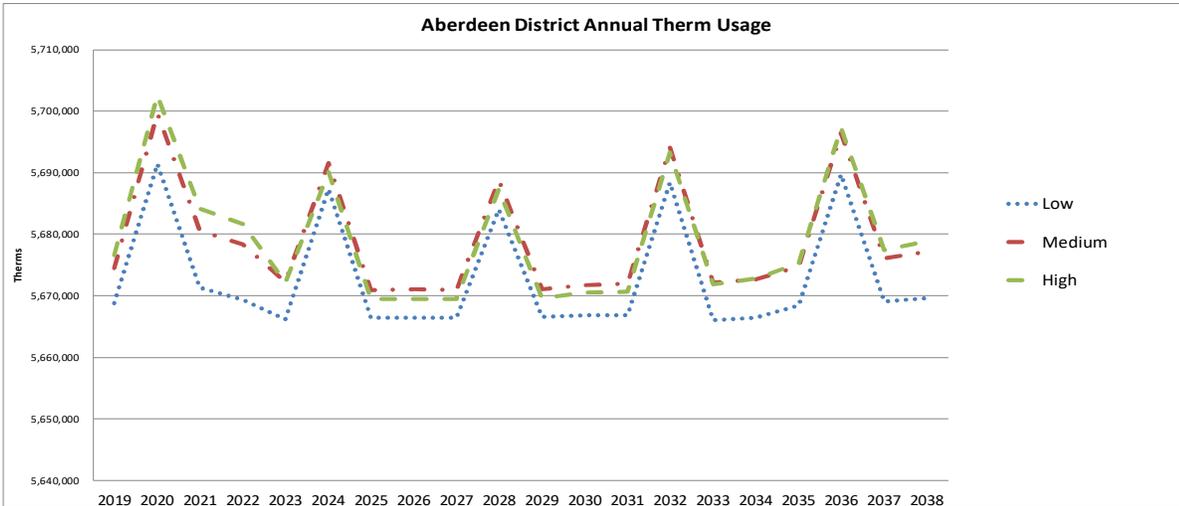
Table with columns for Customer Count Forecast and Annual Change. It includes sub-tables for Low, Medium, and High demand levels across years 2019-2038.





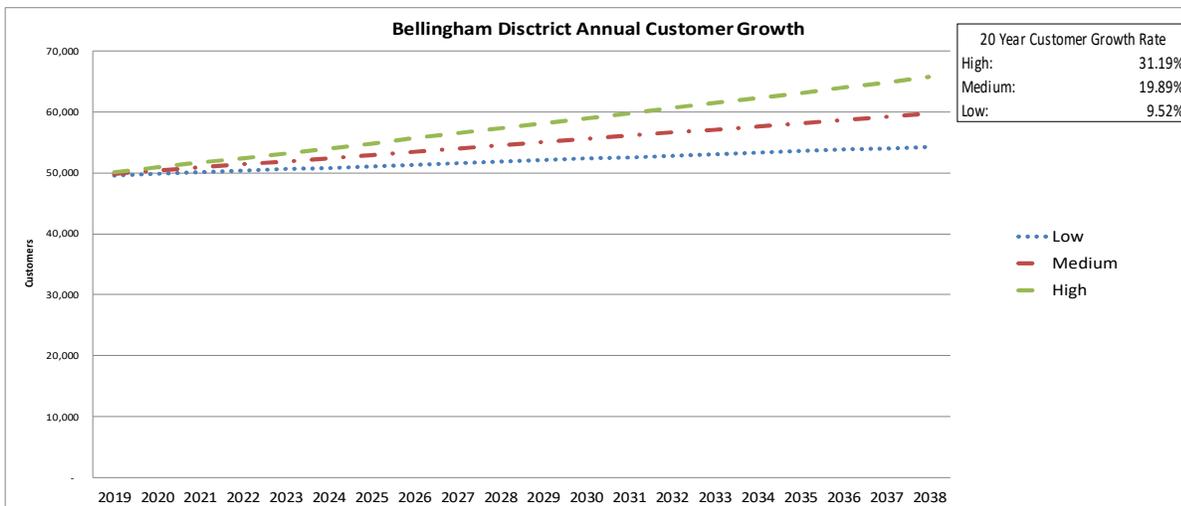
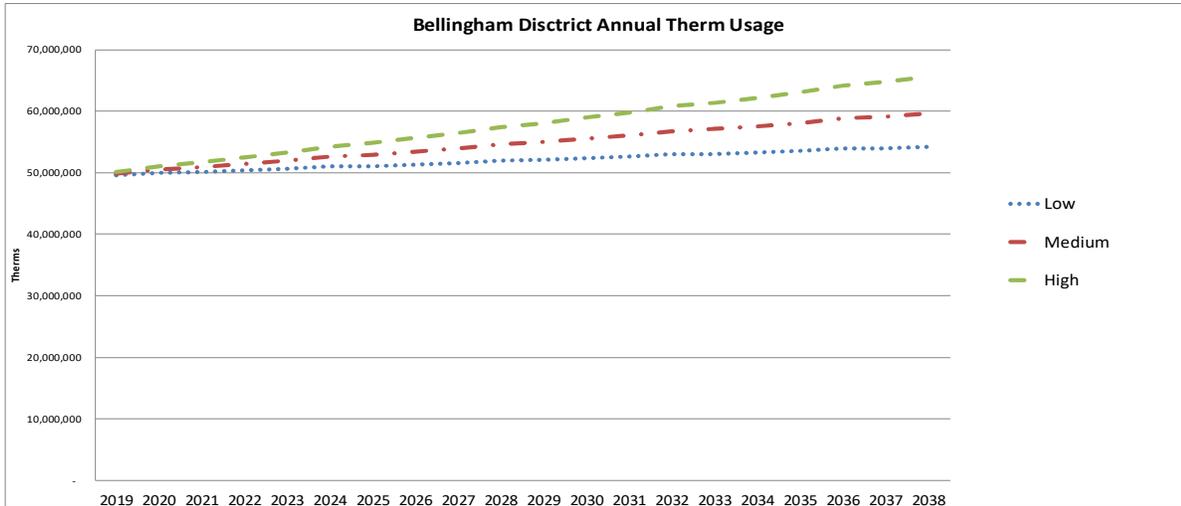


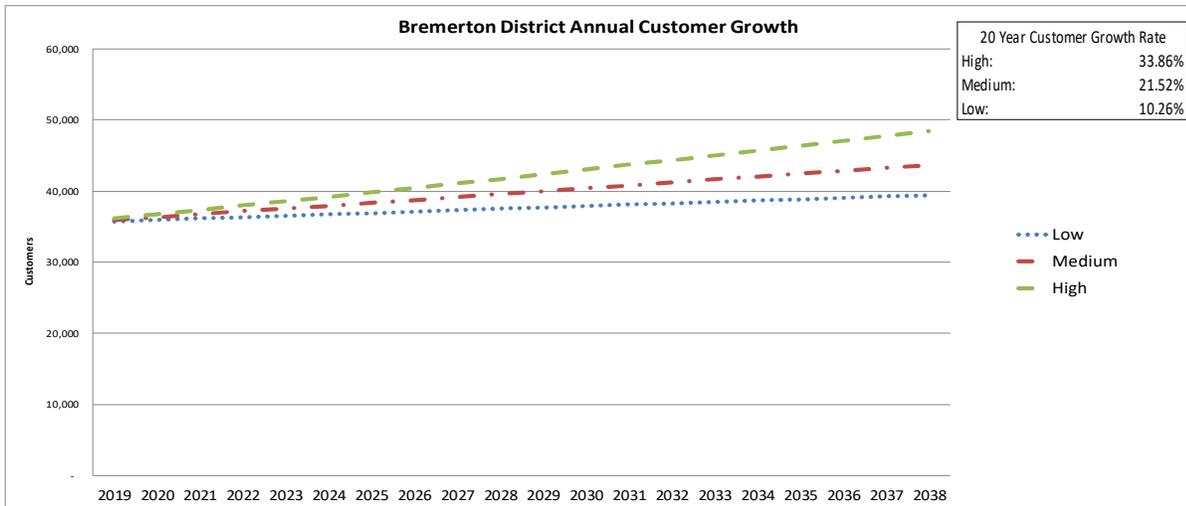
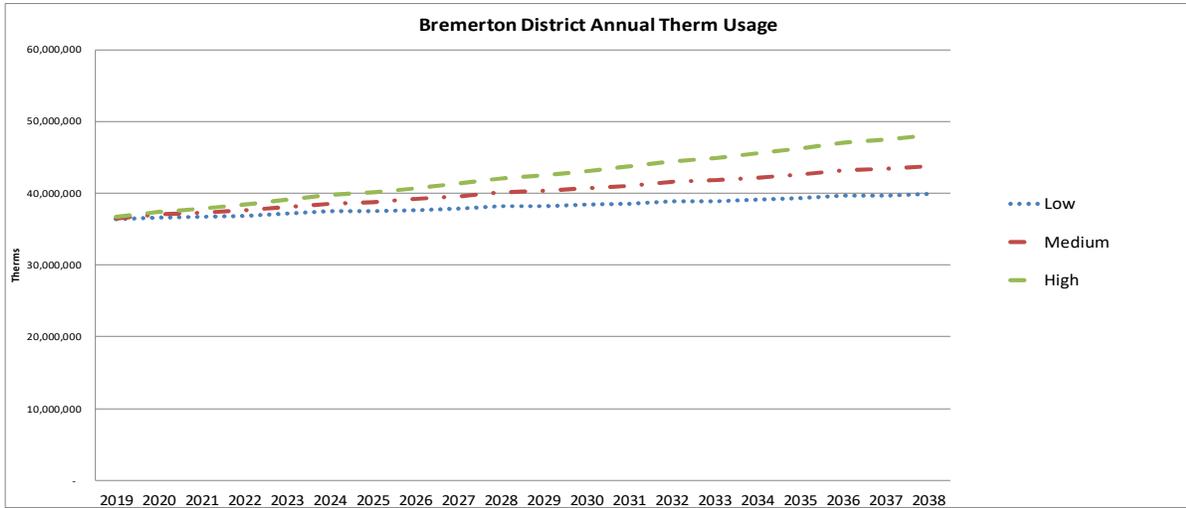


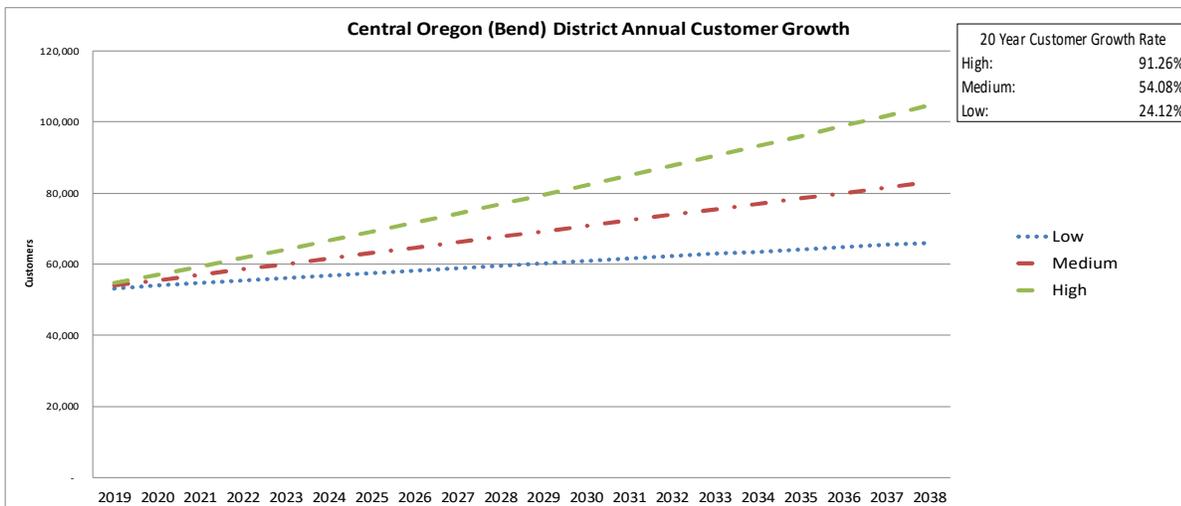
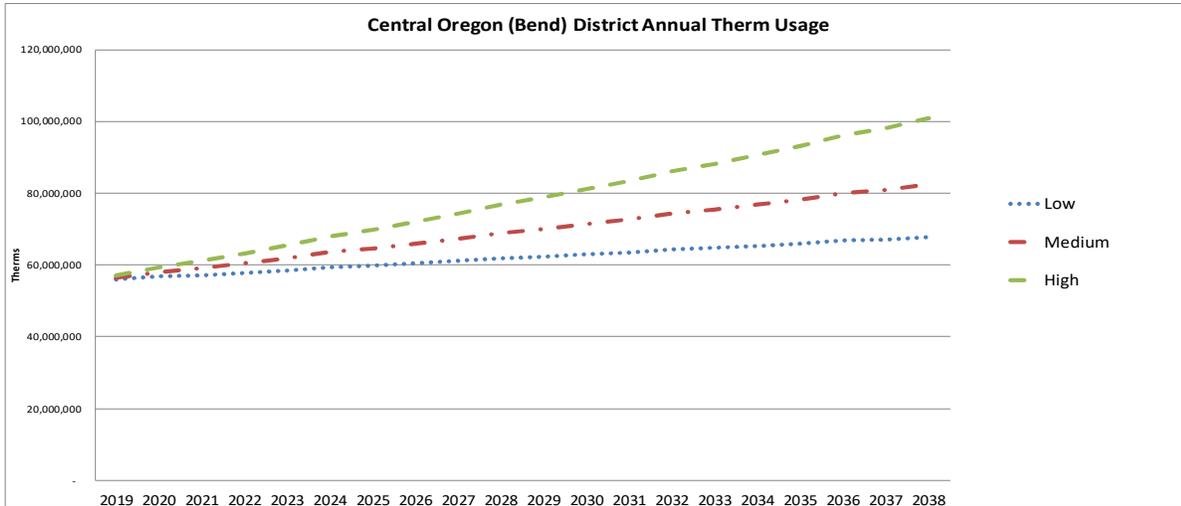


Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Table with multiple sections: Bellingham District, Annual Requirements (Therms), Peak Day - Baseload, Therms Usage by Class, and Customer Count Forecast. Each section contains columns for Low, Medium, and High demand levels, with sub-columns for Heating, Baseload, and Total. The table includes data for years 2019 through 2038 and includes percentage change columns.







Cascade Natural Gas
2018 IRP Demand Forecast Summary Tables

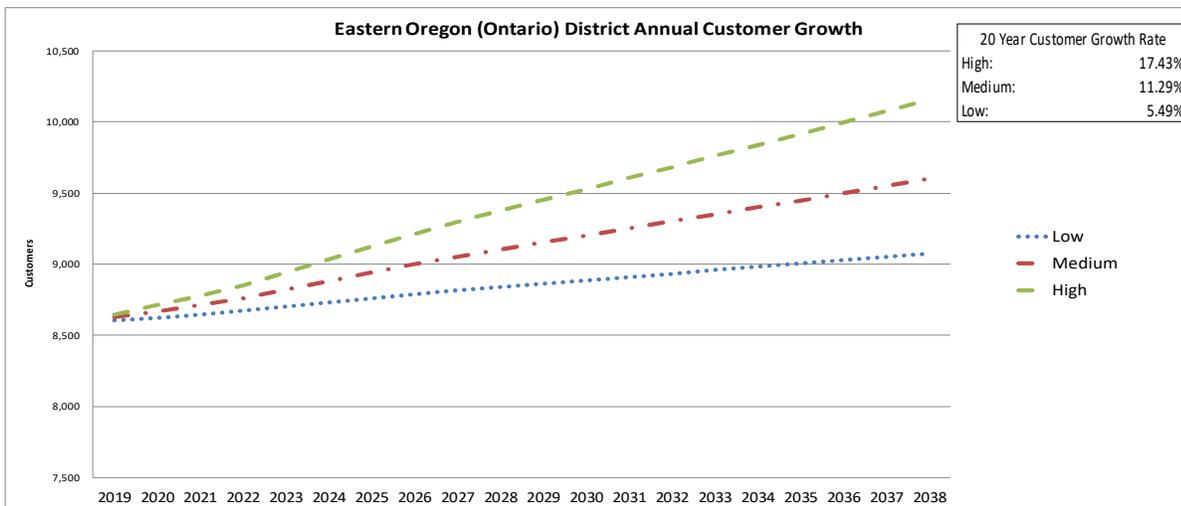
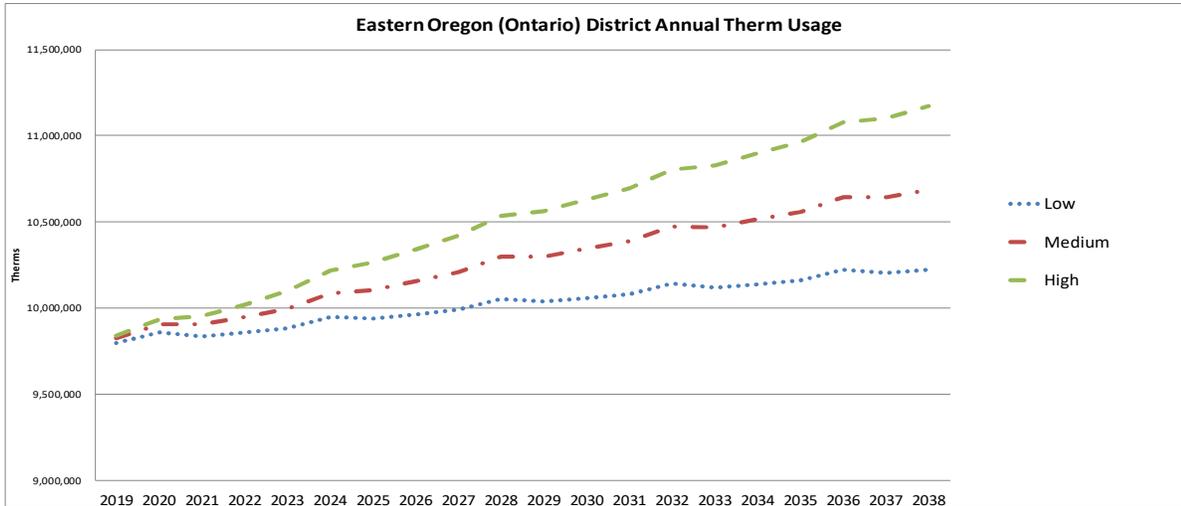
Eastern Oregon (Ontario) District

Table with columns: Annual Requirements (Therms) and Annual Change. Rows include years 2019-2038 with sub-columns for Low, Medium, High and Heating, BaseLoad, Total.

Table with columns: Peak Day - BaseLoad and Annual Change. Rows include years 2019-2038 with sub-columns for Low, Medium, High and Base, Peak, Total.

Table with columns: Therms Usage by Class and Annual Change. Rows include years 2019-2038 with sub-columns for Low, Medium, High and Res, Com/Ind, Total.

Table with columns: Customer Count Forecast and Annual Change. Rows include years 2019-2038 with sub-columns for Low, Medium, High and Res, Com/Ind, Total.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

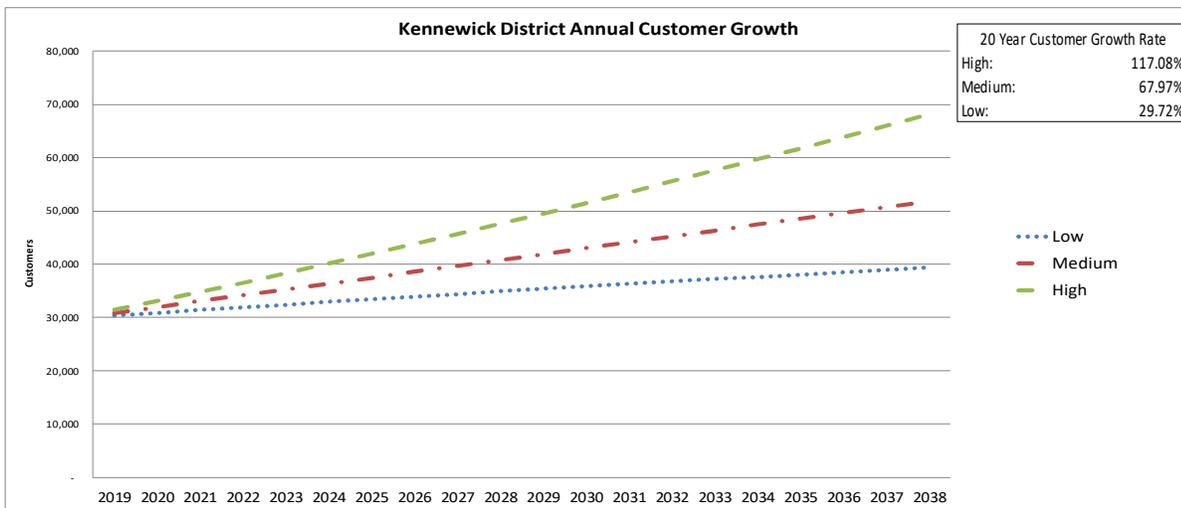
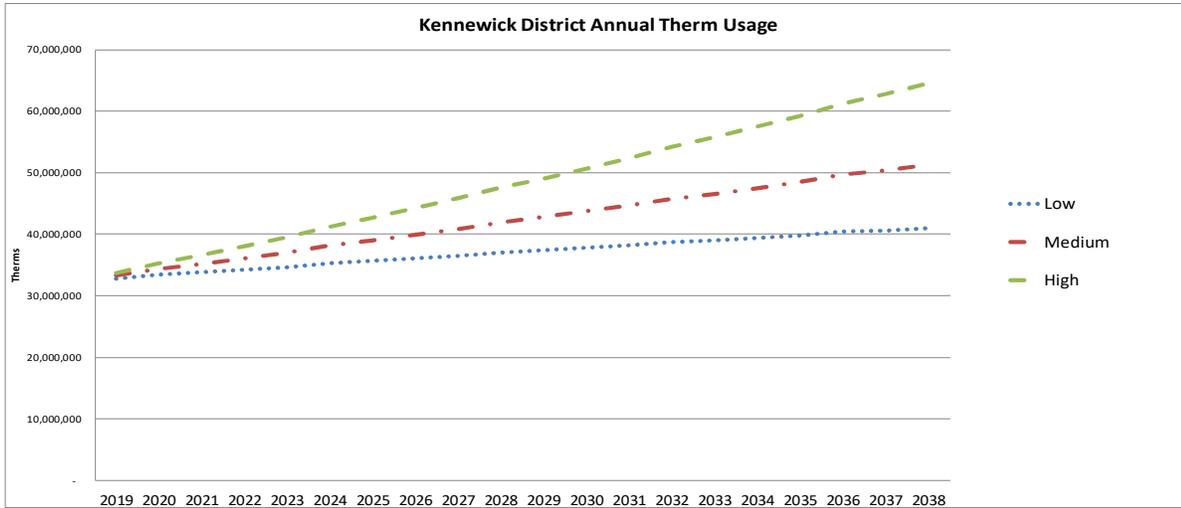
Kennewick District

Table with columns for Annual Requirements (Therms) and Annual Change. Sub-headers include Heating, BaseLoad, Total, Low, Medium, High. Rows represent years from 2019 to 2038.

Table with columns for Peak Day - BaseLoad and Annual Change. Sub-headers include Daily BaseLoad, Peak, Total, Low, Medium, High. Rows represent years from 2019 to 2038.

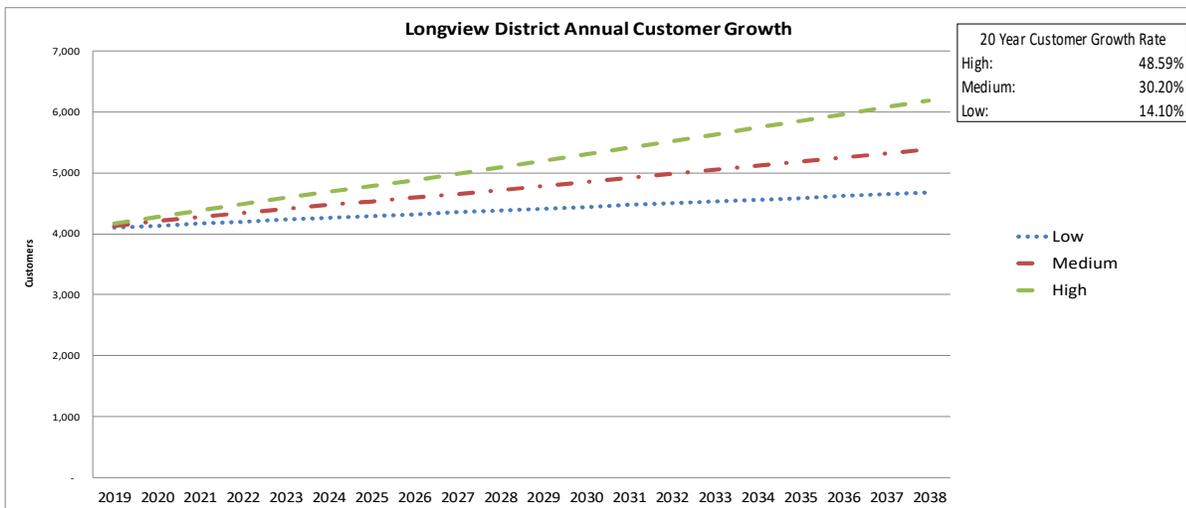
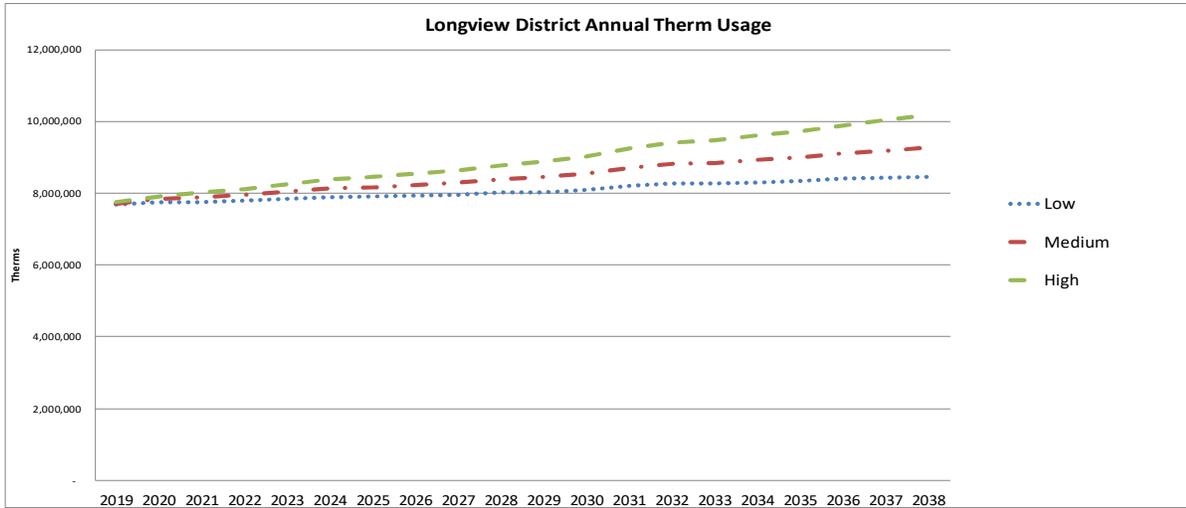
Table with columns for Therms Usage by Class and Annual Change. Sub-headers include Res, Com/Ind, Total, Low, Medium, High. Rows represent years from 2019 to 2038.

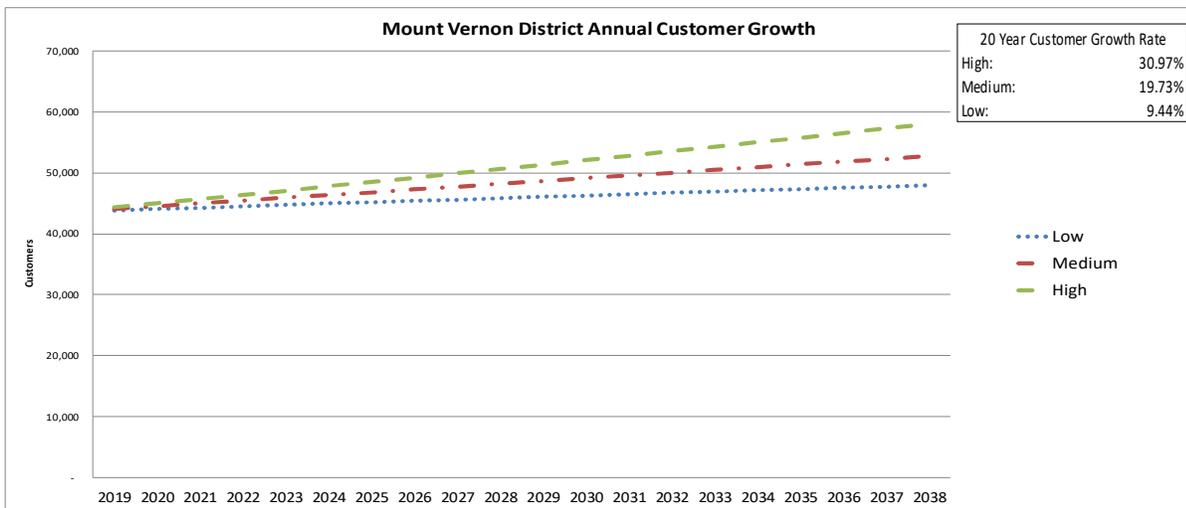
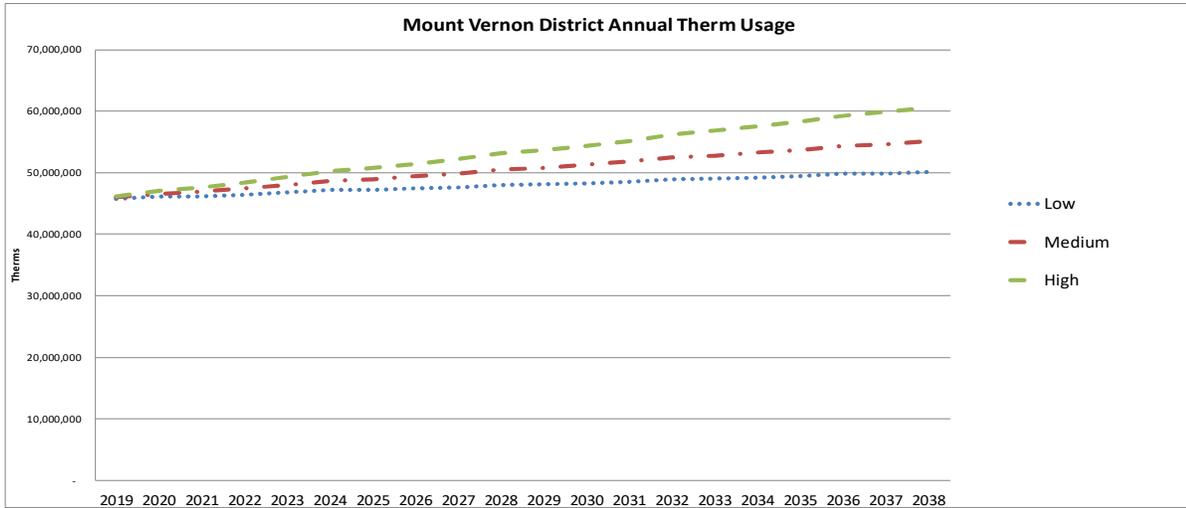
Table with columns for Customer Count Forecast and Annual Change. Sub-headers include Res, Com/Ind, Total, Low, Medium, High. Rows represent years from 2019 to 2038.

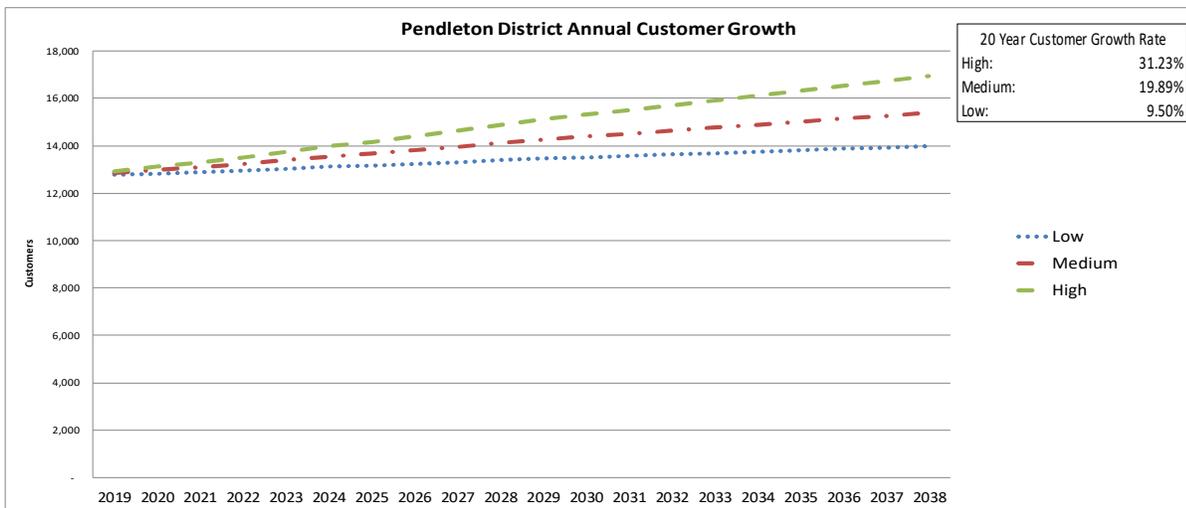
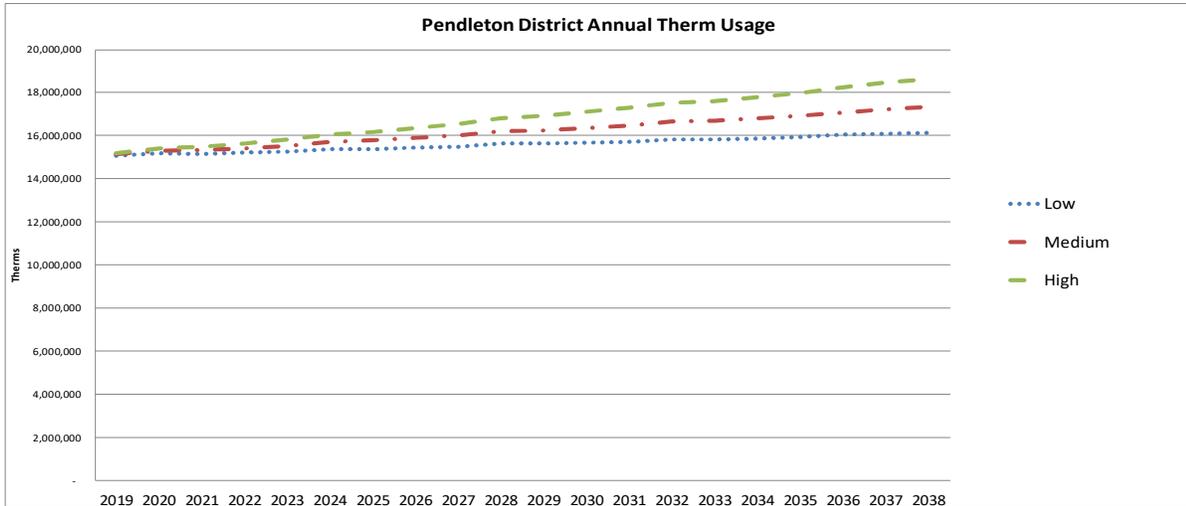


Cascade Natural Gas
2018 IRP Demand Forecast Summary Tables

Longview District
Annual Requirements (Therms)
Annual Change
Peak Day - Baseload
Therms Usage by Class
Customer Count Forecast

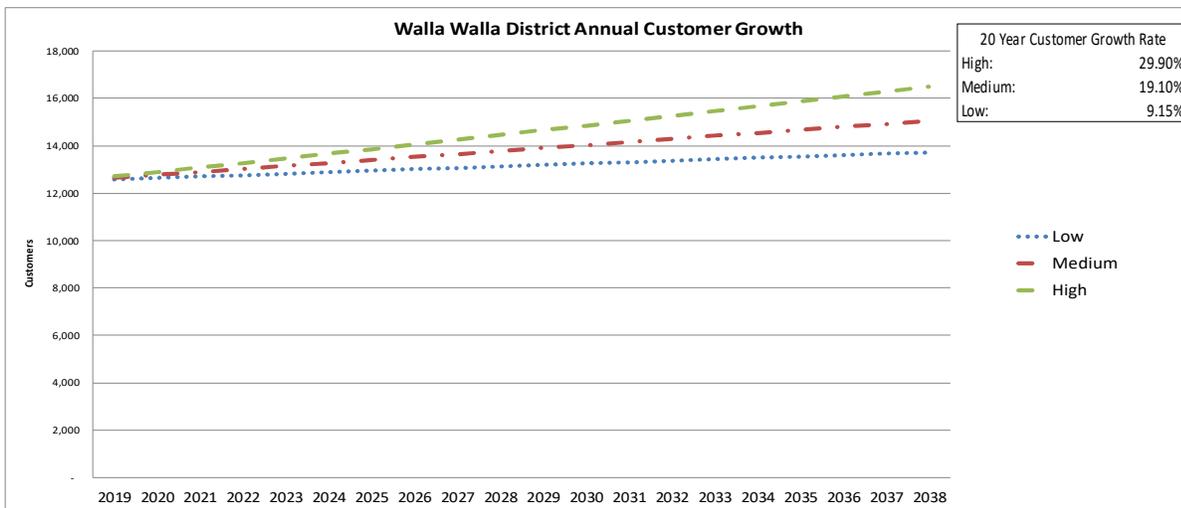
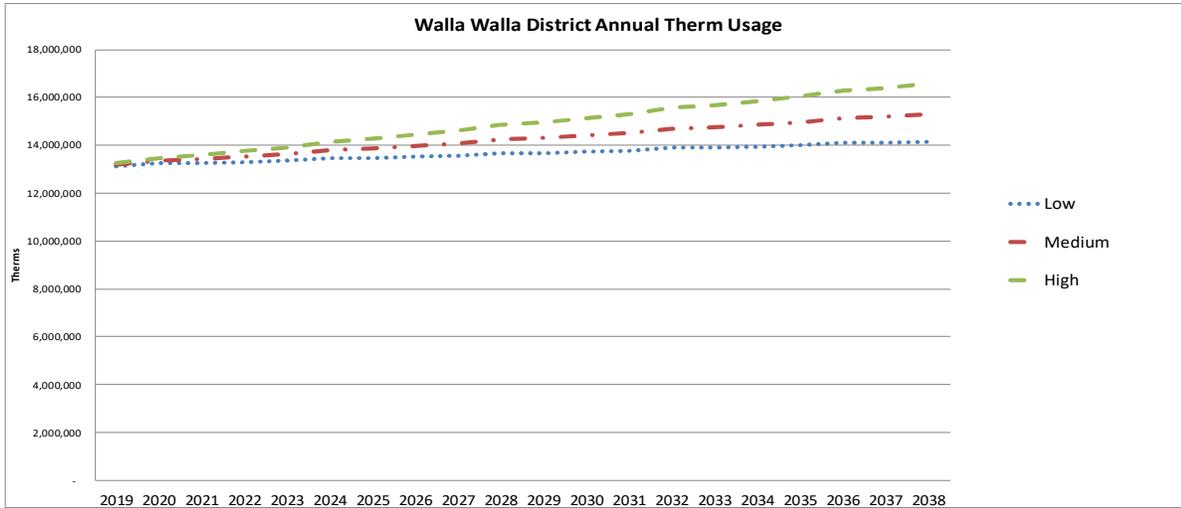






Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

Walla Walla District. Annual Requirements (Therms) table with columns for Low, Medium, High and Annual Change (Low, Medium, High) across years 2019-2038. Includes sub-tables for Peak Day - BaseLoad and Thermo Usage by Class.



Cascade Natural Gas 2018 IRP Demand Forecast Summary Tables

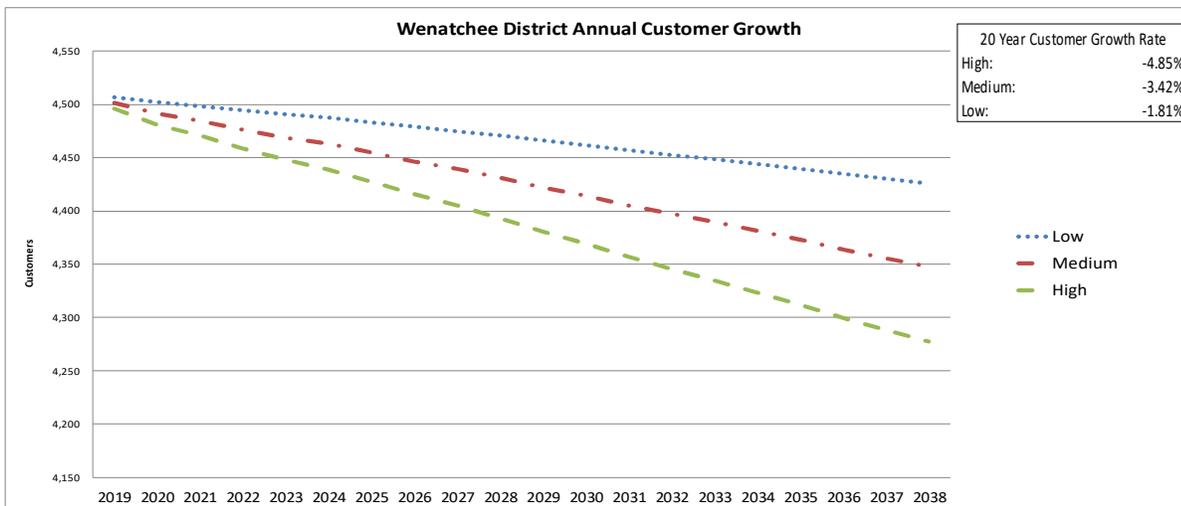
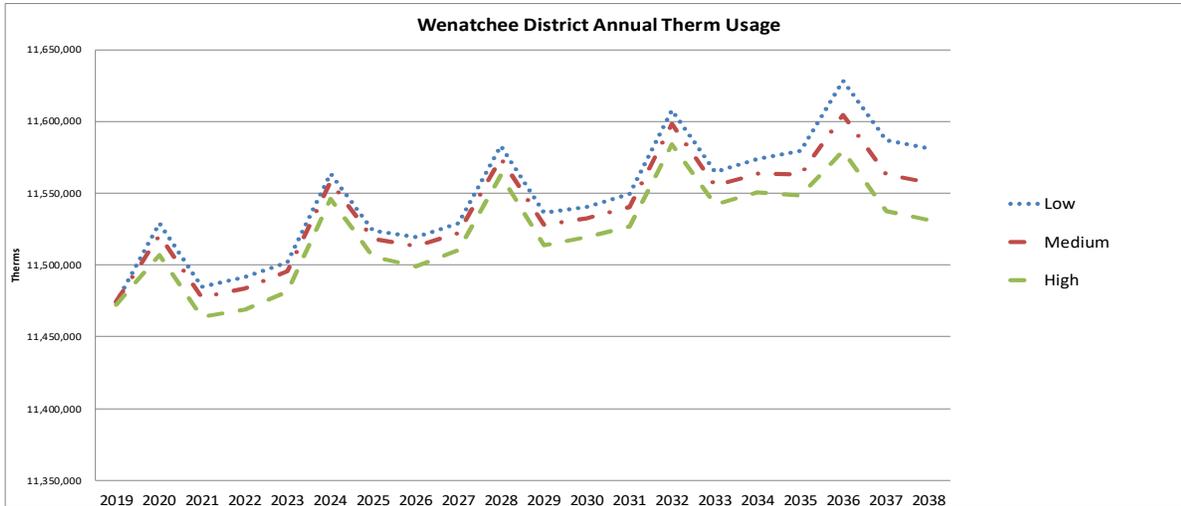
Wenatchee District

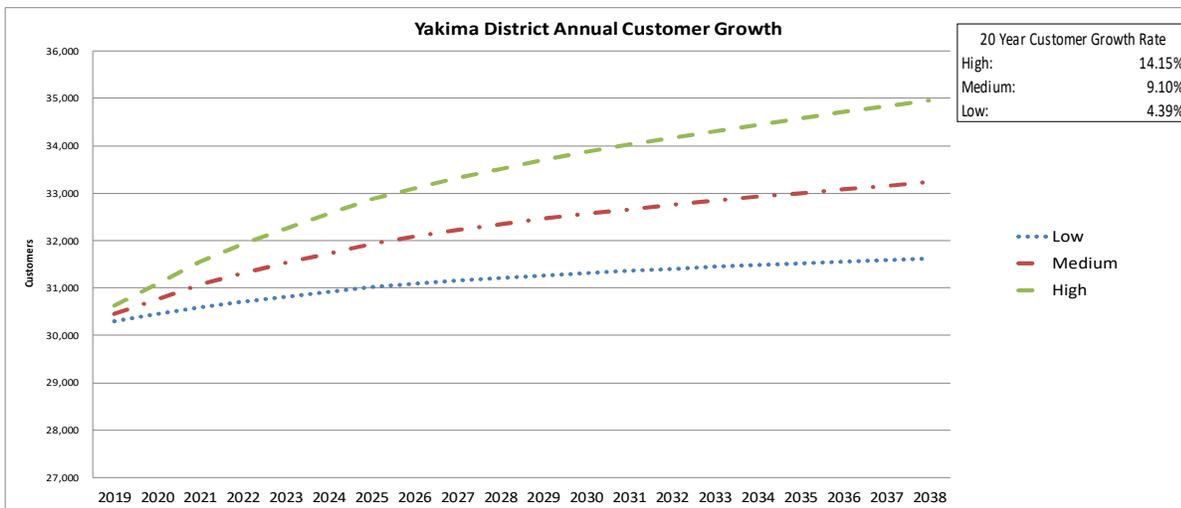
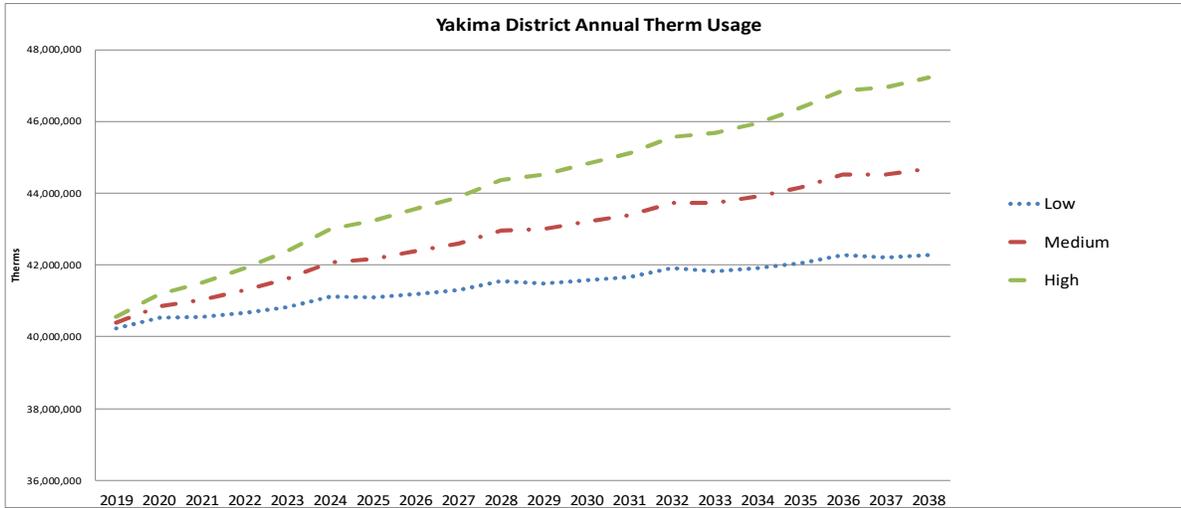
Table with columns for Annual Requirements (Therms) and Annual Change. Sub-headers include Low, Medium, High for Heating, BaseLoad, and Total. Rows 2019-2038.

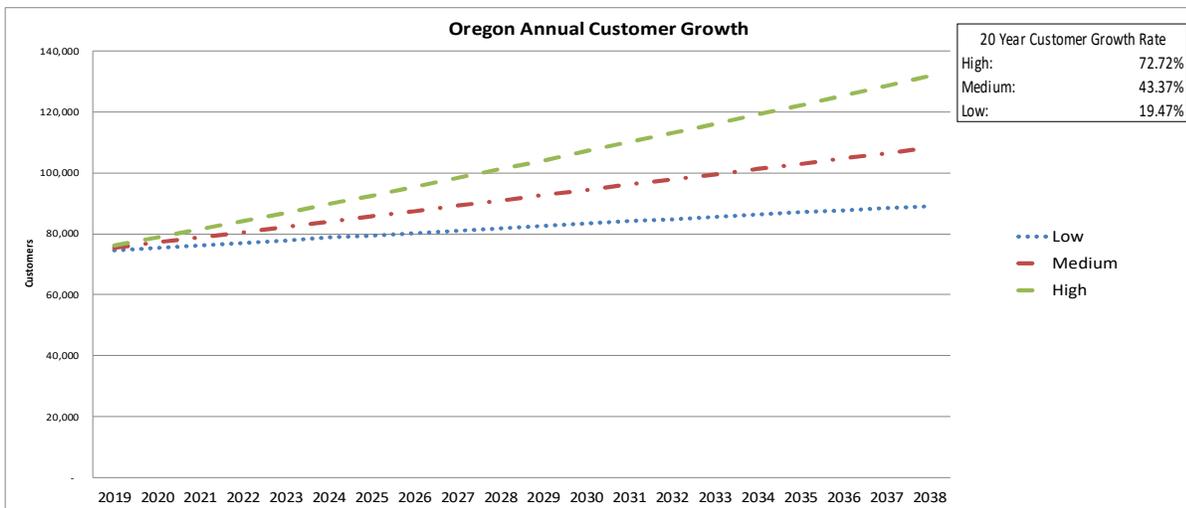
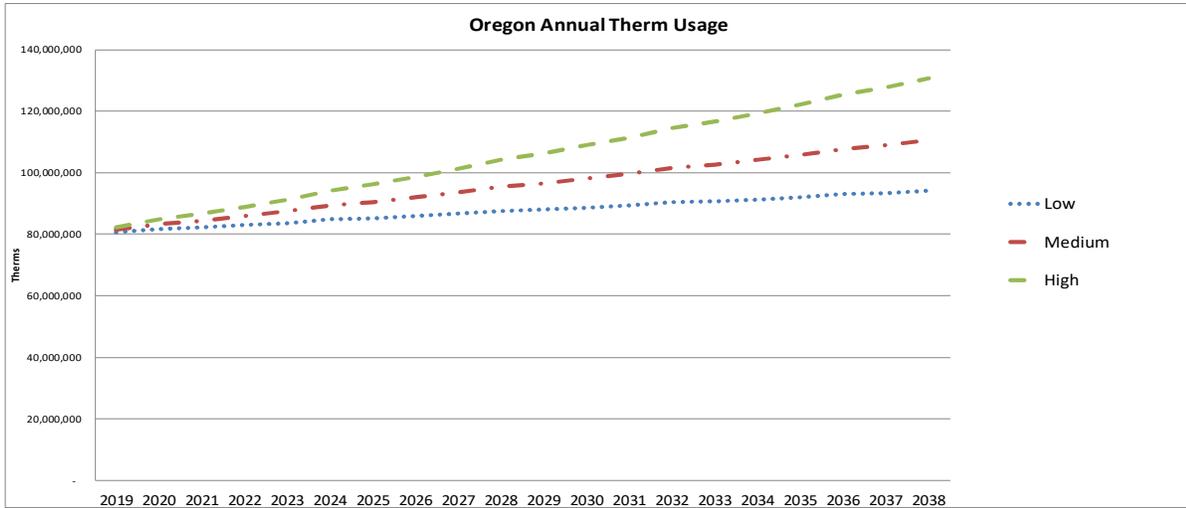
Table with columns for Peak Day - BaseLoad and Annual Change. Sub-headers include Low, Medium, High for Daily BaseLoad, Peak, and Total. Rows 2019-2038.

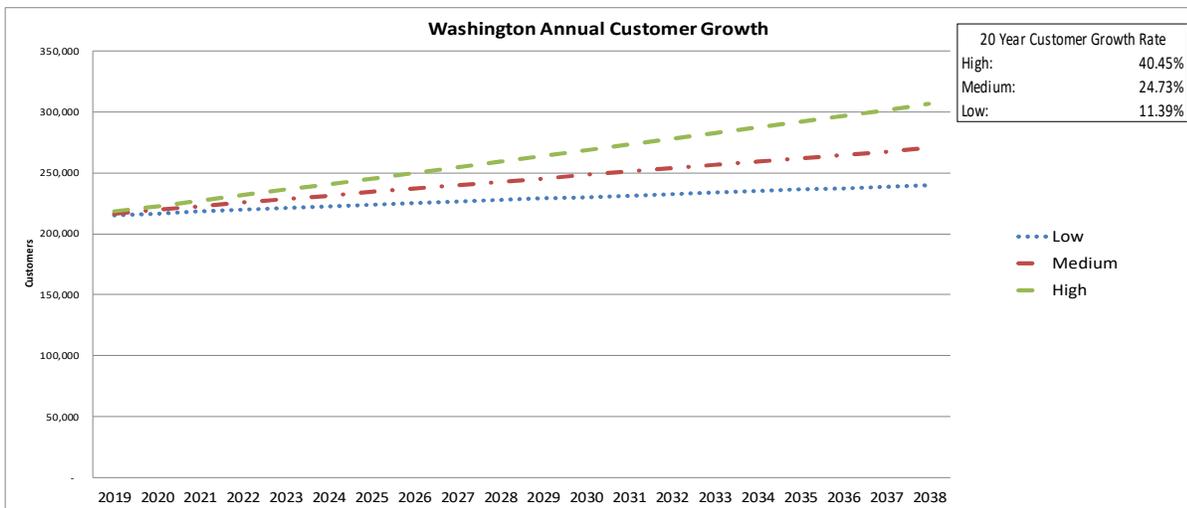
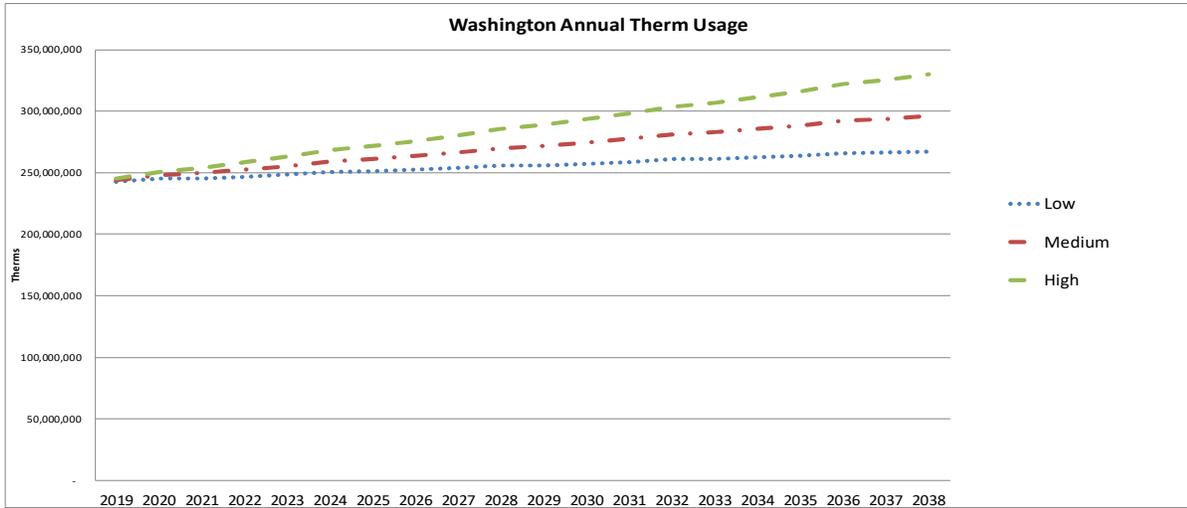
Table with columns for Therms Usage by Class and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038.

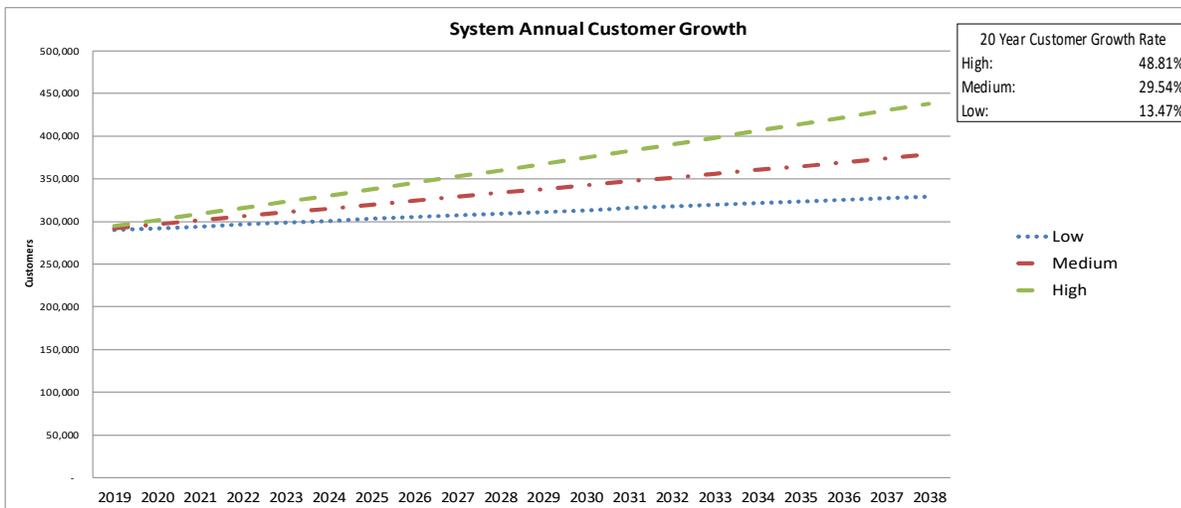
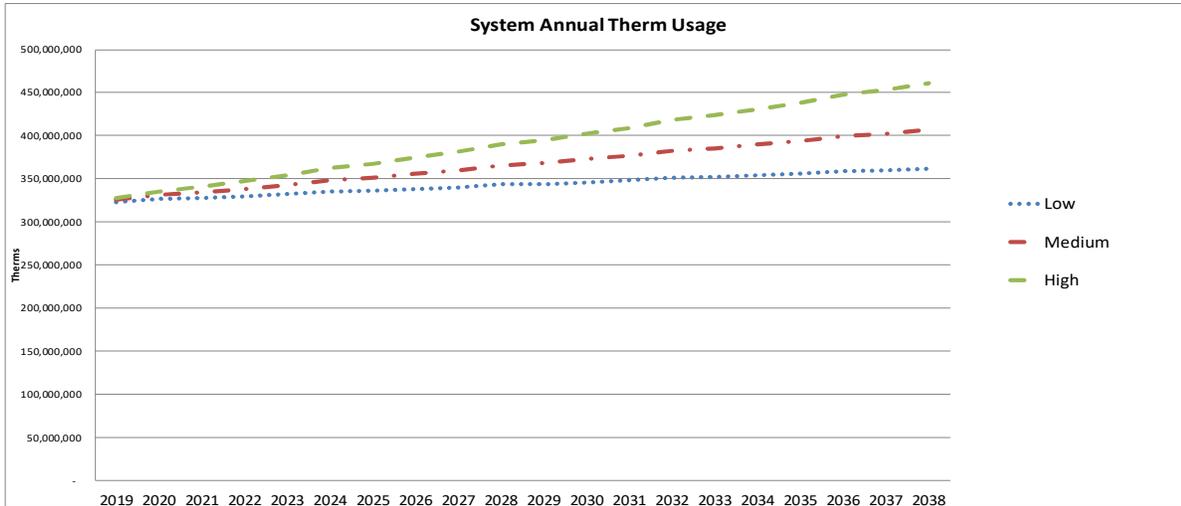
Table with columns for Customer Count Forecast and Annual Change. Sub-headers include Low, Medium, High for Res, Com/Ind, and Total. Rows 2019-2038.











Appendix B
Demand Forecast
Medium Scenario

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
7th Day School										
Total Therms Pct. Growth	-0.50%	0.00%	0.00%	0.50%	0.49%	0.00%	1.42%	1.44%	-0.50%	0.00%
Residential Therms	10,804	10,804	10,804	10,857	10,964	10,964	11,197	11,409	11,351	11,351
Commercial Therms	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Industrial Therms	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	16,226	16,226	16,226	16,306	16,386	16,386	16,619	16,857	16,773	16,773
Daily Baseload Therms	6	6	6	6	6	6	6	6	6	6
Peak Day Therms	28,810	29,085	29,370	29,666	29,957	30,290	30,586	30,878	31,189	31,494
Therms Per Residential Customer	900	900	900	905	907	907	920	931	927	927
Therms Per Commercial Customer	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Therms Per Industrial Customer	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Residential Customers	12	12	12	12	12	12	12	12	12	12
Commercial Customers	1	1	1	1	1	1	1	1	1	1
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14	14	14	14	14	14	14	14	14	14

Yakima Training Center										
Total Therms Pct. Growth	0.40%	0.56%	0.87%	1.33%	0.11%	0.90%	0.77%	0.99%	0.39%	0.74%
Residential Therms	5,379	5,384	5,384	5,407	5,383	5,386	5,387	5,410	5,387	5,387
Commercial Therms	431,143	433,593	437,403	443,255	443,771	447,812	451,302	455,778	457,615	461,027
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	436,522	438,977	442,787	448,662	449,154	453,198	456,689	461,188	463,002	466,414
Daily Baseload Therms	183	179	178	183	188	190	191	184	186	191
Peak Day Therms	325	324	324	320	320	320	320	375	376	376
Therms Per Residential Customer	194	193	193	194	193	192	192	193	192	192
Therms Per Commercial Customer	4,061	4,059	4,059	4,082	4,062	4,062	4,063	4,076	4,059	4,062
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	28	28	28	28	28	28	28	28	28	28
Commercial Customers	106	107	108	109	109	110	111	112	113	114
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	134	135	136	137	137	138	139	140	141	142

Burbank Heights Loop										
Total Therms Pct. Growth	2.19%	2.48%	2.82%	2.78%	1.96%	2.35%	2.27%	2.79%	1.74%	1.96%
Residential Therms	8,991,300	9,264,326	9,537,098	9,847,929	10,081,513	10,353,811	10,628,550	10,943,596	11,173,774	11,446,622
Commercial Therms	4,967,196	5,056,736	5,163,824	5,266,969	5,320,519	5,410,453	5,498,690	5,638,251	5,701,578	5,775,633
Industrial Therms	204,577	193,491	193,491	193,968	207,246	211,416	211,437	211,956	211,445	199,967
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	14,163,073	14,514,553	14,894,413	15,308,867	15,609,278	15,975,680	16,338,677	16,793,803	17,086,797	17,422,222
Daily Baseload Therms	12,739	12,948	13,279	13,652	14,055	14,360	14,671	14,917	15,219	15,570
Peak Day Therms	199,416	202,558	207,594	214,633	219,856	224,957	229,991	232,772	240,163	245,034
Therms Per Residential Customer	568	568	568	570	568	568	568	570	568	568
Therms Per Commercial Customer	3,893	3,897	3,913	3,927	3,903	3,907	3,910	3,947	3,931	3,924
Therms Per Industrial Customer	19,330	19,677	19,677	19,726	19,738	19,667	19,669	19,717	19,669	19,509
Residential Customers	15,835	16,316	16,797	17,278	17,759	18,240	18,721	19,202	19,683	20,163
Commercial Customers	1,276	1,298	1,320	1,341	1,363	1,385	1,406	1,428	1,450	1,472
Industrial Customers	11	10	10	10	11	11	11	11	11	10
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	17,122	17,624	18,127	18,629	19,133	19,635	20,138	20,641	21,144	21,645

East Stanwood Loop										
Total Therms Pct. Growth	0.60%	0.96%	0.95%	1.31%	0.55%	0.92%	0.93%	1.27%	0.53%	0.89%
Residential Therms	6,398,646	6,450,967	6,503,763	6,580,958	6,608,113	6,660,729	6,713,974	6,792,140	6,819,476	6,872,153
Commercial Therms	4,642,905	4,698,066	4,752,370	4,824,207	4,861,299	4,915,254	4,971,231	5,043,320	5,079,433	5,133,894
Industrial Therms	138,081	138,081	138,081	138,439	138,081	138,081	138,081	138,507	138,081	138,081
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	11,179,633	11,287,115	11,394,214	11,543,605	11,607,493	11,714,065	11,823,286	11,973,967	12,036,990	12,144,128
Daily Baseload Therms	13,179	13,262	13,339	13,512	13,685	13,808	13,935	13,964	14,088	14,262
Peak Day Therms	97,839	97,313	98,249	100,660	101,611	102,521	103,465	102,870	105,339	106,289
Therms Per Residential Customer	713	713	713	715	713	713	713	715	713	713
Therms Per Commercial Customer	4,083	4,081	4,078	4,091	4,075	4,074	4,074	4,088	4,072	4,071
Therms Per Industrial Customer	165,697	165,697	165,697	166,127	165,697	165,697	165,697	166,209	165,697	165,697
Residential Customers	8,978	9,051	9,125	9,199	9,273	9,347	9,421	9,495	9,569	9,643
Commercial Customers	1,137	1,151	1,165	1,179	1,193	1,206	1,220	1,234	1,247	1,261
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	10,116	10,203	10,292	10,379	10,467	10,554	10,642	10,729	10,817	10,905

Appendix B
Demand Forecast
High Scenario

Athena	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.70%	0.57%	1.17%	1.93%	1.70%	1.11%	1.12%	1.66%	1.74%
Residential Therms	306,008	311,880	315,093	320,313	326,472	333,819	336,824	342,106	348,249	355,746
Commercial Therms	138,485	140,403	139,846	140,110	143,117	143,972	146,430	146,708	148,927	150,343
Industrial Therms	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	458,164	465,955	468,611	474,095	483,260	491,463	496,926	502,486	510,849	519,761
Daily Baseload Therms	294	297	301	306	312	315	319	323	330	335
Peak Day Therms	9,260	9,484	9,656	9,730	9,971	9,983	10,122	10,427	10,543	10,768
Therms Per Residential Customer	581	583	581	581	581	583	581	581	581	583
Therms Per Commercial Customer	2,169	2,178	2,169	2,169	2,169	2,178	2,169	2,169	2,169	2,178
Therms Per Industrial Customer	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406
Residential Customers	527	535	542	551	562	572	580	589	599	610
Commercial Customers	64	64	64	65	66	66	67	68	69	69
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	591	600	608	617	629	639	648	657	669	680

Baker	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.98%	0.17%	0.77%	1.06%	1.45%	0.68%	0.96%	0.97%	1.11%
Residential Therms	2,139,994	2,168,048	2,177,658	2,201,530	2,234,552	2,277,404	2,302,318	2,333,948	2,365,557	2,399,573
Commercial Therms	1,580,106	1,588,803	1,585,985	1,591,631	1,599,485	1,612,853	1,615,076	1,621,390	1,628,503	1,639,317
Industrial Therms	53,911	54,108	53,911	53,911	53,911	54,102	53,911	53,911	53,911	54,089
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,774,011	3,810,959	3,817,554	3,847,072	3,887,948	3,944,359	3,971,305	4,009,249	4,047,971	4,092,978
Daily Baseload Therms	2,112	2,102	2,129	2,160	2,179	2,176	2,177	2,194	2,229	2,258
Peak Day Therms	42,063	42,862	43,118	43,466	43,940	43,875	44,366	45,382	46,830	46,176
Therms Per Residential Customer	639	642	639	639	639	642	639	639	639	642
Therms Per Commercial Customer	3,129	3,141	3,129	3,128	3,128	3,141	3,129	3,129	3,129	3,140
Therms Per Industrial Customer	26,956	27,054	26,956	26,956	26,956	27,051	26,956	26,956	26,956	27,044
Residential Customers	3,348	3,378	3,407	3,445	3,496	3,548	3,602	3,651	3,701	3,739
Commercial Customers	505	506	507	509	511	513	516	518	521	522
Industrial Customers	2	2	2	2	2	2	2	2	2	2
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	3,855	3,885	3,916	3,955	4,010	4,064	4,120	4,171	4,223	4,264

Umatilla	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.15%	0.45%	0.87%	0.97%	1.28%	0.64%	0.83%	1.03%	1.26%
Residential Therms	396,865	406,765	413,101	421,608	431,586	442,869	449,249	458,419	468,258	479,494
Commercial Therms	785,750	793,673	796,259	802,467	809,032	818,304	824,490	829,896	838,197	847,931
Industrial Therms	129,902	130,295	129,902	129,883	129,883	130,295	129,902	129,902	129,902	130,258
Ind., Inst., & Cmcl. Interup. Therms	346,727	347,664	346,727	346,727	346,727	346,727	346,727	346,727	346,727	347,838
Total Core Therms	1,659,244	1,678,398	1,685,988	1,700,685	1,717,228	1,738,169	1,750,367	1,764,944	1,783,084	1,805,521
Daily Baseload Therms	2,301	2,337	2,354	2,374	2,395	2,423	2,442	2,461	2,485	2,528
Peak Day Therms	11,662	11,907	12,032	12,179	12,345	12,889	13,048	13,258	13,438	13,603
Therms Per Residential Customer	353	354	353	353	353	353	353	353	353	354
Therms Per Commercial Customer	4,781	4,761	4,722	4,689	4,655	4,630	4,578	4,552	4,514	4,494
Therms Per Industrial Customer	18,557	18,614	18,557	18,555	18,555	18,614	18,557	18,557	18,557	18,608
Residential Customers	1,124	1,148	1,170	1,194	1,223	1,250	1,273	1,299	1,326	1,353
Commercial Customers	164	167	169	171	174	177	180	182	186	189
Industrial Customers	7	7	7	7	7	7	7	7	7	7
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,297	1,323	1,347	1,373	1,404	1,435	1,461	1,489	1,520	1,550

Chemult	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.39%	-0.28%	0.00%	-0.11%	0.39%	-0.39%	0.00%	0.00%	0.40%
Residential Therms	10,312	10,355	10,365	10,365	10,312	10,355	10,312	10,312	10,312	10,356
Commercial Therms	36,641	36,783	36,641	36,642	36,642	36,783	36,641	36,641	36,641	36,785
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	46,953	47,138	47,006	47,007	46,954	47,138	46,953	46,953	46,953	47,141
Daily Baseload Therms	57	57	57	57	57	57	57	57	57	57
Peak Day Therms	1,129	1,143	1,172	1,175	1,199	1,215	1,226	1,236	1,239	1,253
Therms Per Residential Customer	424	426	424	424	424	424	424	424	424	426
Therms Per Commercial Customer	1,832	1,839	1,832	1,832	1,832	1,839	1,832	1,832	1,832	1,839
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	24	24	24	24	24	24	24	24	24	24
Commercial Customers	20	20	20	20	20	20	20	20	20	20
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	44	44	44	44	44	44	44	44	44	44

Gilchrist	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.75%	-0.26%	0.00%	-0.12%	0.38%	-0.44%	-0.15%	-0.03%	0.31%
Residential Therms	86,828	87,787	87,761	87,756	87,522	87,787	87,410	87,118	87,060	87,192
Commercial Therms	103,560	104,024	103,560	103,556	103,556	104,024	103,560	103,560	103,560	104,015
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	190,388	191,811	191,321	191,312	191,078	191,811	190,970	190,679	190,620	191,207
Daily Baseload Therms	125	125	126	126	126	125	125	125	125	125
Peak Day Therms	2,371	2,408	2,412	2,448	2,555	2,521	2,521	2,687	2,699	2,696
Therms Per Residential Customer	465	467	465	465	465	467	465	465	465	467
Therms Per Commercial Customer	2,725	2,737	2,725	2,725	2,725	2,737	2,725	2,725	2,725	2,737
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	187	188	189	189	188	188	188	187	187	187
Commercial Customers	38	38	38	38	38	38	38	38	38	38
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	225	226	227	227	226	226	226	225	225	225

Hermiston	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.36%	0.52%	1.01%	1.27%	1.67%	0.67%	1.20%	1.26%	1.61%
Residential Thems	2,396,987	2,433,357	2,459,243	2,498,505	2,547,195	2,603,830	2,627,196	2,669,341	2,717,330	2,775,141
Commercial Thems	2,891,546	2,919,808	2,924,448	2,942,260	2,966,390	3,005,461	3,022,563	3,051,913	3,079,557	3,118,859
Industrial Thems	285,101	286,073	285,101	285,070	285,070	286,073	285,101	285,101	285,101	286,011
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,563,634	5,639,238	5,668,793	5,725,835	5,798,655	5,895,364	5,934,860	6,006,355	6,081,988	6,180,011
Daily Baseload Thems	6,169	6,199	6,279	6,368	6,445	6,497	6,536	6,613	6,724	6,837
Peak Day Thems	69,228	70,238	70,907	71,675	72,638	72,188	72,973	74,775	75,769	76,780
Thems Per Residential Customer	624	627	624	624	624	627	624	624	624	626
Thems Per Commercial Customer	3,984	3,996	3,979	3,975	3,971	3,981	3,963	3,958	3,954	3,963
Thems Per Industrial Customer	35,638	35,759	35,638	35,634	35,634	35,759	35,638	35,638	35,638	35,751
Residential Customers	3,824	3,883	3,940	4,003	4,081	4,156	4,209	4,277	4,353	4,430
Commercial Customers	726	731	735	740	747	755	763	771	779	787
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,558	4,622	4,683	4,752	4,837	4,918	4,980	5,056	5,140	5,225

Huntington	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.03%	0.10%	0.54%	1.06%	1.47%	0.46%	0.92%	0.79%	1.16%
Residential Thems	51,973	52,679	52,902	53,360	54,244	55,344	55,878	56,670	57,360	58,249
Commercial Thems	30,428	30,569	30,428	30,424	30,424	30,569	30,428	30,428	30,428	30,560
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	82,401	83,248	83,330	83,783	84,668	85,914	86,307	87,099	87,789	88,809
Daily Baseload Thems	13	12	13	13	13	13	12	13	13	13
Peak Day Thems	6,964	7,024	7,038	7,038	7,051	7,010	7,022	7,087	7,098	7,107
Thems Per Residential Customer	411	413	411	411	411	413	411	411	411	413
Thems Per Commercial Customer	2,029	2,038	2,029	2,028	2,028	2,029	2,029	2,029	2,029	2,037
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	127	128	129	130	132	134	136	138	140	141
Commercial Customers	15	15	15	15	15	15	15	15	15	15
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	142	143	144	145	147	149	151	153	155	156

La Pine	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		2.68%	2.50%	2.34%	2.63%	2.51%	2.36%	2.32%	2.36%	2.80%
Residential Thems	142,674	149,672	156,166	163,274	170,633	178,666	185,418	193,012	200,451	208,932
Commercial Thems	369,249	375,761	382,610	388,122	395,247	401,424	408,354	414,517	421,438	430,973
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	511,923	525,634	538,777	551,397	565,880	580,091	593,772	607,529	621,888	639,904
Daily Baseload Thems	528	532	555	576	590	595	603	617	640	664
Peak Day Thems	2,580	2,728	2,809	2,894	2,981	3,138	3,223	3,393	3,480	3,670
Thems Per Residential Customer	617	619	617	616	616	619	617	617	617	619
Thems Per Commercial Customer	2,785	2,797	2,785	2,784	2,784	2,797	2,785	2,785	2,785	2,795
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	231	242	253	265	277	289	301	313	325	338
Commercial Customers	133	134	137	139	142	144	147	149	151	154
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	364	376	391	404	419	432	447	462	476	492

Madras	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.53%	0.48%	1.21%	1.16%	1.55%	0.57%	0.90%	0.97%	1.35%
Residential Thems	688,918	707,577	719,833	735,739	751,949	772,062	784,522	801,486	818,016	837,818
Commercial Thems	1,179,367	1,198,226	1,204,489	1,223,111	1,240,159	1,260,235	1,268,824	1,278,861	1,291,339	1,307,994
Industrial Thems	608,083	611,090	608,083	607,879	611,090	611,090	608,083	608,083	608,083	610,680
Ind., Inst., & Cmcl. Interrup. Thems	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,076
Total Core Thems	2,773,854	2,816,273	2,829,892	2,864,215	2,897,473	2,942,461	2,959,315	2,985,917	3,014,925	3,055,568
Daily Baseload Thems	2,553	2,554	2,602	2,659	2,693	2,693	2,700	2,725	2,777	2,822
Peak Day Thems	29,981	31,002	31,317	31,724	32,112	31,747	32,094	33,140	33,480	33,815
Thems Per Residential Customer	568	570	568	568	568	570	568	568	568	570
Thems Per Commercial Customer	3,128	3,141	3,128	3,127	3,127	3,141	3,128	3,128	3,128	3,139
Thems Per Industrial Customer	35,770	35,946	35,770	35,758	35,758	35,946	35,770	35,770	35,770	35,922
Residential Customers	14,213	1,240	1,268	1,296	1,325	1,353	1,382	1,411	1,441	1,469
Commercial Customers	377	381	385	391	397	401	406	409	413	417
Industrial Customers	17	17	17	17	17	17	17	17	17	17
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,608	1,640	1,671	1,705	1,739	1,773	1,806	1,838	1,871	1,904

Milton-Freewater	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.92%	0.61%	0.61%	1.36%	1.36%	0.48%	1.37%	1.32%	1.19%
Residential Thems	102,685	104,743	105,744	107,511	109,557	112,064	112,955	114,811	116,903	119,327
Commercial Thems	298,785	300,624	302,423	303,368	307,380	310,878	312,302	316,728	320,803	323,917
Industrial Thems	34,468	34,592	34,468	34,454	34,454	34,592	34,468	34,468	34,468	34,565
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	435,938	439,959	442,635	445,333	451,392	457,535	459,725	466,007	472,174	477,809
Daily Baseload Thems	458	453	463	472	478	475	472	478	491	502
Peak Day Thems	6,418	6,523	6,582	6,624	6,706	6,794	6,845	7,132	7,216	7,434
Thems Per Residential Customer	433	435	433	433	433	435	433	433	433	435
Thems Per Commercial Customer	2,893	2,903	2,893	2,891	2,891	2,893	2,893	2,893	2,893	2,901
Thems Per Industrial Customer	6,894	6,918	6,894	6,891	6,891	6,918	6,894	6,894	6,894	6,913
Residential Customers	237	241	244	248	253	258	261	265	270	275
Commercial Customers	103	104	105	105	106	107	108	109	111	112
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	345	349	354	358	364	370	374	380	386	391

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Mission Tap										
Total Therms Pct. Growth		2.49%	0.59%	0.43%	0.71%	2.04%	0.97%	0.44%	1.68%	2.01%
Residential Therms	120,558	123,004	124,170	126,298	128,783	131,445	132,614	134,860	137,329	140,213
Commercial Therms	354,327	363,684	365,402	365,402	366,417	373,868	377,620	377,620	383,777	391,386
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	474,885	486,688	489,571	491,700	495,200	505,313	510,234	512,480	521,106	531,599
Daily Baseload Therms	513	524	529	531	534	543	551	553	562	571
Peak Day Therms	1,819	1,898	1,879	1,906	1,937	1,951	1,973	2,015	2,046	2,076
Therms Per Residential Customer	541	543	541	541	541	543	541	541	541	543
Therms Per Commercial Customer	8,030	8,059	8,030	8,030	8,030	8,059	8,030	8,030	8,030	8,059
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	223	227	230	234	238	242	245	249	254	258
Commercial Customers	44	45	46	46	46	46	47	47	48	49
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	267	272	275	279	284	289	292	296	302	307

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Nyssa-Ontario										
Total Therms Pct. Growth		0.98%	0.19%	0.61%	0.60%	0.98%	0.33%	0.63%	0.66%	1.05%
Residential Therms	2,138,948	2,162,516	2,168,950	2,184,389	2,199,797	2,224,419	2,229,277	2,243,625	2,258,151	2,282,086
Commercial Therms	2,634,449	2,665,487	2,674,374	2,695,650	2,717,162	2,748,528	2,767,629	2,792,515	2,813,033	2,849,228
Industrial Therms	170,907	171,191	170,907	170,907	170,907	171,179	170,907	170,907	177,001	179,724
Ind., Inst., & Cmcl. Interrup. Therms	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,566
Total Core Therms	5,983,676	6,042,181	6,053,604	6,090,307	6,127,028	6,187,113	6,207,385	6,246,419	6,287,557	6,353,605
Daily Baseload Therms	5,447	5,440	5,501	5,565	5,594	5,581	5,584	5,615	5,677	5,746
Peak Day Therms	55,013	56,190	56,602	57,045	57,475	57,213	57,728	59,052	59,489	60,088
Therms Per Residential Customer	576	579	576	576	576	579	576	576	576	579
Therms Per Commercial Customer	2,865	2,875	2,863	2,862	2,861	2,872	2,860	2,859	2,858	2,868
Therms Per Industrial Customer	8,545	8,560	8,545	8,545	8,545	8,559	8,545	8,545	8,634	8,536
Residential Customers	3,710	3,735	3,762	3,790	3,816	3,842	3,867	3,892	3,917	3,943
Commercial Customers	920	927	934	942	950	957	968	977	984	994
Industrial Customers	20	20	20	20	20	20	20	20	21	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,651	4,683	4,717	4,753	4,787	4,820	4,856	4,890	4,923	4,959

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Pendleton										
Total Therms Pct. Growth		1.32%	0.48%	0.97%	1.24%	1.61%	0.60%	1.13%	1.22%	1.56%
Residential Therms	2,958,003	3,016,030	3,047,478	3,096,294	3,156,447	3,227,017	3,255,672	3,307,931	3,367,223	3,430,720
Commercial Therms	2,605,813	2,631,699	2,635,437	2,651,715	2,675,529	2,711,704	2,728,546	2,755,420	2,782,387	2,818,719
Industrial Therms	188,686	189,548	188,686	188,662	188,662	189,548	188,686	188,686	188,686	189,499
Ind., Inst., & Cmcl. Interrup. Therms	844,704	847,250	844,704	844,588	844,588	847,250	844,704	844,704	844,704	847,018
Total Core Therms	6,597,206	6,684,527	6,716,304	6,781,258	6,865,225	6,975,600	7,017,608	7,096,740	7,182,999	7,294,956
Daily Baseload Therms	6,709	6,734	6,809	6,892	6,964	7,007	7,039	7,107	7,210	7,313
Peak Day Therms	76,625	78,206	78,993	79,894	81,041	81,343	82,263	84,128	85,302	86,487
Therms Per Residential Customer	582	584	582	582	582	584	582	582	582	584
Therms Per Commercial Customer	3,396	3,408	3,393	3,391	3,389	3,400	3,384	3,382	3,379	3,389
Therms Per Industrial Customer	31,448	31,591	31,448	31,444	31,444	31,591	31,448	31,448	31,448	31,583
Residential Customers	5,086	5,165	5,240	5,324	5,428	5,526	5,598	5,688	5,790	5,892
Commercial Customers	767	772	777	782	789	798	806	815	823	832
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	5,860	5,944	6,023	6,113	6,224	6,331	6,411	6,509	6,620	6,731

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Prineville										
Total Therms Pct. Growth		2.56%	1.78%	2.66%	2.11%	2.60%	2.04%	2.09%	2.05%	2.76%
Residential Therms	1,300,365	1,348,621	1,384,652	1,426,778	1,469,689	1,520,783	1,557,732	1,601,991	1,646,732	1,698,462
Commercial Therms	1,438,935	1,466,363	1,483,921	1,514,559	1,539,426	1,572,468	1,592,694	1,620,255	1,647,357	1,681,417
Industrial Therms	258,179	259,249	260,260	270,639	270,639	271,819	283,391	283,389	283,389	296,288
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	2,997,479	3,074,232	3,128,832	3,211,976	3,279,755	3,365,070	3,433,816	3,505,635	3,577,475	3,676,167
Daily Baseload Therms	2,180	2,188	2,268	2,365	2,411	2,421	2,449	2,495	2,580	2,684
Peak Day Therms	38,558	40,483	41,424	42,550	43,489	43,229	44,154	46,353	47,348	48,473
Therms Per Residential Customer	501	504	501	501	501	504	501	501	501	503
Therms Per Commercial Customer	2,727	2,735	2,717	2,709	2,704	2,713	2,695	2,691	2,686	2,692
Therms Per Industrial Customer	8,251	8,285	8,251	8,249	8,249	8,285	8,251	8,251	8,251	8,281
Residential Customers	2,593	2,677	2,761	2,846	2,932	3,019	3,106	3,195	3,284	3,374
Commercial Customers	528	536	546	559	569	580	591	602	613	625
Industrial Customers	31	31	32	33	33	33	34	34	34	36
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	3,152	3,245	3,339	3,438	3,534	3,631	3,732	3,831	3,932	4,034

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Redmond										
Total Therms Pct. Growth		4.15%	3.14%	3.64%	3.29%	4.07%	2.76%	3.34%	3.31%	3.47%
Residential Therms	4,686,175	4,930,338	5,134,628	5,366,894	5,604,275	5,872,955	6,089,426	6,335,932	6,585,420	6,866,508
Commercial Therms	3,062,435	3,134,887	3,177,895	3,229,171	3,279,104	3,344,166	3,387,177	3,443,464	3,499,082	3,569,230
Industrial Therms	632,152	663,337	690,043	734,403	754,524	813,357	831,130	873,035	920,946	951,549
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	8,380,762	8,728,563	9,002,566	9,330,468	9,637,902	10,030,479	10,307,732	10,652,431	11,005,447	11,387,286
Daily Baseload Therms	6,464	6,657	6,951	7,275	7,510	7,748	7,934	8,211	8,562	8,883
Peak Day Therms	106,486	111,940	115,897	119,980	123,926	126,369	130,440	136,564	140,935	145,078
Therms Per Residential Customer	608	610	608	608	608	610	608	608	608	610
Therms Per Commercial Customer	2,543	2,554	2,541	2,540	2,540	2,551	2,539	2,538	2,537	2,547
Therms Per Industrial Customer	37,740	37,880	37,740	37,740	37,740	37,880	37,740	37,740	37,740	37,880
Residential Customers	7,710	8,076	8,448	8,832	9,223	9,620	10,019	10,425	10,835	11,252
Commercial Customers	1,204	1,227	1,250	1,271	1,291	1,311	1,334	1,357	1,379	1,401
Industrial Customers	17	18	18	19	20	21	22	23	24	25
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	8,931	9,321	9,717	10,123	10,534	10,952	11,375	11,805	12,239	12,678

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Stanfield										
Total Thems Pct. Growth		1.80%	1.23%	1.45%	1.27%	1.66%	1.24%	1.69%	1.22%	1.64%
Residential Thems	150,007	152,703	154,290	157,029	159,843	163,331	164,868	167,668	170,544	174,194
Commercial Thems	62,800	63,724	64,800	65,244	65,244	65,497	66,801	67,922	67,922	68,185
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	212,807	216,427	219,090	222,273	225,087	228,828	231,669	235,589	238,465	242,380
Daily BaseLoad Thems	176	178	181	184	186	188	192	195	197	199
Peak Day Thems	8,114	8,241	8,821	9,140	9,177	9,102	9,130	9,279	9,317	9,356
Thems Per Residential Customer	459	461	459	459	459	461	459	459	459	461
Thems Per Commercial Customer	1,755	1,762	1,755	1,755	1,755	1,762	1,755	1,755	1,755	1,762
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	327	331	336	342	348	355	359	365	372	378
Commercial Customers	36	36	37	37	37	37	38	39	39	39
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	362	368	373	379	385	392	397	404	410	417

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Stearns (Sunriver)										
Total Thems Pct. Growth		4.53%	3.58%	4.08%	3.96%	4.16%	3.19%	3.58%	3.50%	3.85%
Residential Thems	3,886,560	4,088,832	4,260,024	4,454,646	4,652,046	4,873,341	5,055,031	5,260,102	5,468,014	5,703,326
Commercial Thems	1,078,286	1,103,135	1,119,511	1,138,617	1,156,552	1,179,665	1,193,213	1,214,463	1,235,227	1,260,537
Industrial Thems	49,313	49,442	49,313	57,280	65,751	65,916	65,751	65,751	65,751	65,935
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,014,159	5,241,409	5,428,849	5,650,543	5,874,349	6,118,923	6,313,995	6,540,316	6,768,992	7,029,798
Daily BaseLoad Thems	5,593	5,818	6,025	6,237	6,497	6,736	6,974	7,210	7,436	7,663
Peak Day Thems	57,141	59,295	61,769	64,298	66,850	69,802	72,438	74,767	77,470	80,210
Thems Per Residential Customer	1,003	1,007	1,003	1,003	1,003	1,007	1,003	1,003	1,003	1,007
Thems Per Commercial Customer	4,666	4,682	4,666	4,667	4,667	4,682	4,666	4,666	4,666	4,683
Thems Per Industrial Customer	16,438	16,481	16,438	15,275	14,439	14,476	14,439	14,439	14,439	14,480
Residential Customers	3,875	4,059	4,247	4,441	4,637	4,838	5,039	5,244	5,451	5,661
Commercial Customers	231	236	240	244	248	252	256	260	265	269
Industrial Customers	3	3	3	4	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,109	4,298	4,490	4,688	4,890	5,094	5,300	5,509	5,720	5,935

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Pronghorn										
Total Thems Pct. Growth		4.00%	1.91%	2.31%	2.65%	4.37%	3.44%	2.45%	2.28%	4.15%
Residential Thems	393,277	409,467	422,878	438,296	454,072	472,026	486,128	502,230	518,726	537,123
Commercial Thems	237,515	246,564	245,692	245,714	248,077	260,826	271,936	274,379	275,604	290,176
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	630,792	656,031	668,569	684,010	702,149	732,852	758,065	776,609	794,329	827,299
Daily BaseLoad Thems	725	753	767	782	802	836	871	892	909	941
Peak Day Thems	10,487	10,729	10,894	11,063	11,236	11,340	11,517	11,766	11,948	12,126
Thems Per Residential Customer	1,601	1,608	1,601	1,602	1,602	1,608	1,601	1,601	1,601	1,608
Thems Per Commercial Customer	9,269	9,302	9,269	9,270	9,270	9,302	9,269	9,269	9,269	9,303
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	246	255	264	274	284	294	304	314	324	334
Commercial Customers	26	27	27	27	27	28	29	30	30	31
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	271	281	291	300	310	322	333	343	354	365

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Bend Loop										
Total Thems Pct. Growth		2.85%	1.14%	2.11%	1.81%	2.74%	1.04%	1.95%	1.68%	2.59%
Residential Thems	153,564	159,541	163,223	168,196	173,169	179,501	183,137	188,110	193,083	199,470
Commercial Thems	132,243	134,406	134,072	135,369	135,898	138,050	137,727	139,016	139,553	141,765
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	285,807	293,947	297,295	303,564	309,067	317,551	320,864	327,126	332,636	341,235
Daily BaseLoad Thems	61	61	62	63	64	61	62	63	64	60
Peak Day Thems	4,337	4,238	4,278	4,306	4,345	4,927	4,981	5,020	5,073	5,275
Thems Per Residential Customer	489	485	475	468	461	458	449	443	438	435
Thems Per Commercial Customer	3,055	3,034	2,993	2,954	2,933	2,915	2,877	2,842	2,823	2,808
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	314	329	344	359	375	392	408	424	441	458
Commercial Customers	43	44	45	46	46	47	48	49	49	50
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	357	373	388	405	422	439	456	473	491	509

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
McCleary (Aberdeen/Hoquiam)										
Total Thems Pct. Growth		4.20%	3.24%	3.59%	3.51%	4.13%	2.95%	3.32%	3.25%	3.60%
Residential Thems	23,823,452	25,062,083	26,111,520	27,299,914	28,510,887	29,869,805	30,984,322	32,241,717	33,516,218	34,946,079
Commercial Thems	11,960,570	12,225,687	12,388,117	12,585,598	12,774,813	13,123,656	13,278,377	13,488,961	13,701,054	13,971,411
Industrial Thems	349,221	362,408	370,636	381,693	394,306	408,659	418,814	432,246	445,678	461,577
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	36,133,244	37,650,178	38,870,272	40,267,205	41,680,005	43,402,121	44,681,514	46,162,924	47,662,950	49,379,067
Daily BaseLoad Thems	32,064	33,120	34,431	35,745	36,975	38,256	39,388	40,666	42,105	43,550
Peak Day Thems	425,790	445,533	462,199	479,145	496,222	509,833	527,364	549,529	567,664	586,134
Thems Per Residential Customer	769	772	769	769	769	772	769	769	769	772
Thems Per Commercial Customer	2,792	2,801	2,787	2,785	2,782	2,814	2,799	2,797	2,795	2,804
Thems Per Industrial Customer	13,199	13,009	12,771	12,638	12,453	12,328	12,085	11,900	11,723	11,616
Residential Customers	30,978	32,453	33,953	35,501	37,076	38,679	40,289	41,924	43,581	45,260
Commercial Customers	4,284	4,364	4,445	4,520	4,591	4,664	4,743	4,823	4,903	4,983
Industrial Customers	26	28	29	30	32	33	35	36	38	40
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	35,288	36,845	38,427	40,051	41,699	43,376	45,067	46,783	48,522	50,283

Appendix B Demand Forecast High Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Acme										
Total Therms Pct. Growth		0.46%	-0.32%	-0.04%	-0.17%	0.32%	-0.36%	0.00%	0.00%	0.31%
Residential Therms	2,564,066	2,579,052	2,572,825	2,570,078	2,556,700	2,560,646	2,549,969	2,551,776	2,549,617	2,558,521
Commercial Therms	2,975,026	2,985,249	2,973,749	2,974,088	2,977,930	2,991,243	2,981,855	2,980,149	2,982,285	2,990,651
Industrial Therms	137,594	138,262	137,594	137,526	137,526	138,262	137,594	137,594	137,594	138,126
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,676,675	5,702,563	5,684,168	5,681,892	5,672,165	5,689,151	5,669,418	5,669,518	5,669,495	5,687,298
Daily BaseLoad Therms	5,590	5,538	5,595	5,651	5,645	5,586	5,530	5,530	5,587	5,643
Peak Day Therms	48,975	50,571	50,599	50,590	50,488	48,894	48,894	50,441	50,438	50,443
Therms Per Residential Customer	721	724	721	721	721	724	721	721	721	723
Therms Per Commercial Customer	4,036	4,051	4,037	4,035	4,034	4,050	4,035	4,035	4,035	4,047
Therms Per Industrial Customer	9,828	9,876	9,828	9,823	9,823	9,876	9,828	9,828	9,828	9,866
Residential Customers	3,557	3,564	3,569	3,566	3,548	3,539	3,538	3,540	3,537	3,538
Commercial Customers	737	737	737	737	738	739	739	739	739	739
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,308	4,315	4,320	4,318	4,300	4,292	4,291	4,293	4,290	4,291

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Arlington										
Total Therms Pct. Growth		0.91%	0.95%	5.50%	2.54%	1.60%	0.74%	0.30%	1.00%	1.52%
Residential Therms	51,193	51,866	52,832	53,695	53,980	55,381	56,261	56,559	57,553	58,946
Commercial Therms	36,546	36,675	36,546	40,599	42,696	42,858	42,707	42,707	42,707	42,841
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	87,739	88,541	89,378	94,294	96,687	98,239	99,968	99,265	100,260	101,787
Daily BaseLoad Therms	72	72	73	78	80	81	81	81	82	84
Peak Day Therms	3,761	3,989	4,001	4,009	4,012	3,800	3,811	4,038	4,049	4,061
Therms Per Residential Customer	766	769	766	766	766	769	766	766	766	769
Therms Per Commercial Customer	4,061	4,075	4,061	4,060	4,060	4,075	4,061	4,061	4,061	4,073
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	67	67	69	70	70	72	73	74	75	77
Commercial Customers	9	9	9	10	11	11	11	11	11	11
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	76	76	78	80	81	83	84	84	86	87

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Bremerton (Shelton)										
Total Therms Pct. Growth		2.03%	1.44%	1.60%	1.76%	2.03%	1.29%	1.71%	1.55%	2.01%
Residential Therms	3,603,466	3,660,651	3,691,275	3,734,675	3,779,182	3,838,263	3,868,935	3,813,869	3,959,087	4,017,600
Commercial Therms	2,232,691	2,295,401	2,346,163	2,404,117	2,462,924	2,531,892	2,585,176	2,645,895	2,707,061	2,776,491
Industrial Therms	275,560	279,903	288,444	288,365	298,149	302,754	304,835	314,800	314,800	327,138
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	6,111,737	6,235,955	6,325,903	6,427,157	6,540,255	6,672,909	6,758,946	6,874,564	6,980,968	7,121,229
Daily BaseLoad Therms	6,525	6,602	6,758	6,910	7,033	7,115	7,198	7,322	7,481	7,647
Peak Day Therms	53,498	55,426	56,374	57,320	58,274	58,130	59,097	61,197	62,180	63,159
Therms Per Residential Customer	749	752	749	749	749	752	749	749	749	751
Therms Per Commercial Customer	3,528	3,540	3,528	3,527	3,527	3,540	3,528	3,528	3,528	3,539
Therms Per Industrial Customer	8,567	8,601	8,567	8,564	8,564	8,601	8,567	8,567	8,567	8,597
Residential Customers	4,812	4,870	4,929	4,988	5,047	5,107	5,166	5,226	5,287	5,347
Commercial Customers	633	648	665	682	698	715	733	750	767	784
Industrial Customers	32	33	34	34	35	35	36	37	37	38
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	5,477	5,551	5,628	5,703	5,780	5,857	5,935	6,013	6,091	6,170

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Castle Rock										
Total Therms Pct. Growth		1.92%	1.16%	1.46%	1.70%	1.75%	1.05%	1.45%	1.45%	1.81%
Residential Therms	23,037,841	23,522,474	23,828,902	24,223,234	24,604,097	25,090,968	25,399,561	25,806,951	26,214,664	26,731,424
Commercial Therms	12,361,207	12,574,634	12,708,165	12,867,120	13,154,891	13,363,584	13,480,237	13,654,076	13,838,549	14,064,562
Industrial Therms	458,978	461,007	458,978	458,978	444,235	428,391	426,193	426,193	426,193	428,595
Ind., Inst., & Cmcl. Interrup. Therms	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Therms	36,699,418	37,403,019	37,838,437	38,390,724	39,044,616	39,728,429	40,147,384	40,728,613	41,320,799	42,070,446
Daily BaseLoad Therms	34,435	34,880	35,483	36,067	36,691	37,109	37,551	38,082	38,708	39,329
Peak Day Therms	341,370	348,880	354,423	359,783	365,430	369,253	374,842	384,186	390,034	395,431
Therms Per Residential Customer	697	700	697	697	697	700	697	697	697	700
Therms Per Commercial Customer	3,990	3,999	3,978	3,972	4,003	4,014	3,993	3,987	3,981	3,991
Therms Per Industrial Customer	32,784	32,929	32,784	32,784	34,172	34,237	34,061	34,061	34,061	34,253
Residential Customers	33,037	33,607	34,174	34,741	35,287	35,850	36,427	37,012	37,598	38,202
Commercial Customers	3,098	3,145	3,195	3,239	3,286	3,330	3,376	3,424	3,476	3,524
Industrial Customers	14	14	14	14	13	13	13	13	13	13
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	36,151	36,768	37,385	37,996	38,588	39,194	39,818	40,451	41,088	41,741

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Walla Walla										
Total Therms Pct. Growth		2.91%	2.38%	0.82%	2.41%	1.27%	0.97%	2.07%	0.78%	1.78%
Residential Therms	36,072	37,393	38,167	39,231	40,371	41,481	42,339	43,370	44,479	45,571
Commercial Therms	126,808	130,222	133,440	133,786	136,812	137,947	138,836	141,558	141,900	144,124
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	162,880	167,614	171,608	173,018	177,182	179,427	181,175	184,928	186,379	189,695
Daily BaseLoad Therms	206	211	217	218	223	225	228	232	233	236
Peak Day Therms	4,198	4,092	4,102	4,113	4,126	4,500	4,512	4,521	4,533	4,408
Therms Per Residential Customer	517	519	517	517	517	519	517	517	517	519
Therms Per Commercial Customer	2,633	2,642	2,633	2,633	2,633	2,642	2,633	2,633	2,633	2,642
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	70	72	74	76	78	80	82	84	86	88
Commercial Customers	48	49	51	51	52	52	53	54	54	55
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	118	121	125	127	130	132	135	138	140	142

Appendix B
Demand Forecast
High Scenario

Deming	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.74%	0.84%	1.21%	1.21%	1.70%	0.80%	1.18%	1.19%	1.63%
Residential Therms	7,172,144	7,310,057	7,393,487	7,504,318	7,616,559	7,759,510	7,843,297	7,957,133	8,071,433	8,215,868
Commercial Therms	5,189,215	5,260,034	5,296,913	5,350,416	5,404,580	5,477,129	5,514,010	5,569,249	5,623,829	5,697,105
Industrial Therms	149,773	164,204	163,666	163,649	163,651	178,552	177,971	177,969	180,416	193,307
Ind., Inst., & Cmcl. Interrupt. Therms	732,977	739,869	732,977	732,977	733,182	739,869	732,977	732,977	732,977	739,869
Total Core Therms	13,244,110	13,474,164	13,587,043	13,751,360	13,917,972	14,155,060	14,268,255	14,437,328	14,608,654	14,846,148
Daily Baseload Therms	12,801	12,945	13,142	13,341	13,503	13,645	13,769	13,933	14,140	14,362
Peak Day Therms	161,688	165,587	167,795	170,013	172,242	175,108	177,339	180,834	183,129	186,116
Therms Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Therms Per Commercial Customer	3,970	3,975	3,966	3,949	3,942	3,949	3,930	3,923	3,917	3,923
Therms Per Industrial Customer	9,264	9,295	9,264	9,263	9,263	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,376	11,551	11,727	11,904	12,082	12,261	12,440	12,621	12,802	12,984
Commercial Customers	1,307	1,323	1,339	1,355	1,371	1,387	1,403	1,419	1,436	1,452
Industrial Customers	16	18	18	18	18	19	19	19	19	21
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,699	12,892	13,084	13,277	13,471	13,667	13,863	14,060	14,257	14,457

Wenatchee	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.39%	4.89%	0.97%	0.46%	0.45%	-0.38%	0.08%	0.39%	0.25%
Residential Therms	14,069	14,128	14,068	14,056	14,878	14,954	14,891	15,030	15,730	15,770
Commercial Therms	153,717	154,305	162,607	164,339	164,339	165,068	164,443	164,443	164,443	164,859
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	167,787	168,433	176,676	178,395	179,217	180,022	179,334	179,473	180,173	180,629
Daily Baseload Therms	194	191	209	216	217	213	209	209	213	217
Peak Day Therms	701	756	817	829	838	778	778	840	848	848
Therms Per Residential Customer	538	540	538	537	537	540	538	538	538	539
Therms Per Commercial Customer	11,824	11,870	11,411	11,327	11,327	11,378	11,335	11,335	11,335	11,363
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	26	26	26	26	28	28	28	28	29	29
Commercial Customers	13	13	14	15	15	15	15	15	15	15
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	39	39	40	41	42	42	42	42	44	44

Finley	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		-0.36%	-0.49%	-0.18%	-0.12%	0.30%	-0.47%	-0.13%	-0.10%	0.24%
Residential Therms	551,245	546,422	539,176	532,393	525,534	521,237	512,586	506,262	500,134	495,552
Commercial Therms	3,509,728	3,523,990	3,510,952	3,510,120	3,511,932	3,528,245	3,517,607	3,518,218	3,520,044	3,533,897
Industrial Therms	363,699	338,289	337,087	336,998	336,992	336,289	337,087	337,087	337,087	338,111
Ind., Inst., & Cmcl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,424,672	4,408,701	4,387,215	4,379,511	4,374,458	4,387,771	4,367,280	4,361,567	4,357,264	4,367,560
Daily Baseload Therms	5,412	5,339	5,367	5,393	5,388	5,351	5,315	5,309	5,338	5,366
Peak Day Therms	37,266	37,988	37,943	37,876	37,824	36,793	36,755	37,678	37,633	37,585
Therms Per Residential Customer	465	467	465	465	465	467	465	465	465	466
Therms Per Commercial Customer	5,094	5,113	5,094	5,092	5,092	5,113	5,093	5,093	5,093	5,110
Therms Per Industrial Customer	26,775	26,871	26,775	26,768	26,768	26,871	26,775	26,775	26,775	26,857
Residential Customers	1,186	1,171	1,160	1,146	1,131	1,117	1,103	1,089	1,076	1,063
Commercial Customers	689	689	689	689	690	690	691	691	691	692
Industrial Customers	14	13	13	13	13	13	13	13	13	13
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,889	1,873	1,862	1,848	1,833	1,820	1,806	1,793	1,780	1,767

Grandview	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.97%	0.16%	2.93%	7.51%	0.91%	0.13%	8.49%	1.21%	0.81%
Residential Therms	15,254	16,083	16,721	17,502	18,300	19,120	19,787	20,543	21,384	22,236
Commercial Therms	114,844	115,270	114,842	117,910	127,275	127,779	127,302	139,036	140,134	140,594
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	130,098	131,354	131,563	135,412	145,575	146,899	147,089	159,579	161,517	162,831
Daily Baseload Therms	149	149	150	155	167	167	166	181	184	186
Peak Day Therms	607	564	574	585	596	448	458	474	486	558
Therms Per Residential Customer	545	547	545	545	545	547	545	545	545	547
Therms Per Commercial Customer	7,966	7,996	7,966	7,964	7,964	7,966	7,966	7,966	7,966	7,992
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	28	29	31	32	34	35	36	38	39	41
Commercial Customers	14	14	14	15	16	16	16	17	18	18
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	42	44	45	47	50	51	52	55	57	58

Zillah (Toppenish)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.04%	0.54%	0.70%	0.62%	0.89%	0.42%	0.47%	0.56%	0.75%
Residential Therms	566,594	577,383	583,501	589,717	595,021	602,445	604,947	607,995	610,827	615,223
Commercial Therms	1,420,661	1,430,921	1,436,347	1,444,675	1,452,395	1,463,545	1,470,257	1,477,200	1,486,340	1,498,006
Industrial Therms	71,580	71,843	71,548	71,548	71,548	71,803	71,504	71,504	71,504	71,764
Ind., Inst., & Cmcl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	2,058,835	2,080,146	2,091,395	2,105,939	2,118,964	2,137,794	2,146,707	2,156,700	2,168,670	2,184,994
Daily Baseload Therms	4,187	4,117	4,151	4,185	4,203	4,147	4,156	4,170	4,200	4,177
Peak Day Therms	13,277	13,767	13,932	14,081	14,211	13,936	14,075	14,555	14,673	14,786
Therms Per Residential Customer	578	581	578	578	578	581	578	578	578	580
Therms Per Commercial Customer	7,432	7,388	7,335	7,283	7,239	7,207	7,141	7,104	7,056	7,020
Therms Per Industrial Customer	8,505	8,536	8,501	8,501	8,501	8,531	8,496	8,496	8,496	8,526
Residential Customers	980	994	1,009	1,020	1,029	1,038	1,046	1,051	1,056	1,060
Commercial Customers	191	193	196	198	201	203	206	208	211	213
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,179	1,196	1,213	1,227	1,238	1,249	1,260	1,268	1,275	1,282

Appendix B
Demand Forecast
High Scenario

Kalama #2	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.43%	0.67%	0.90%	1.03%	1.28%	0.48%	0.78%	0.76%	1.05%
Residential Thems	1,106,525	1,128,134	1,139,671	1,151,692	1,162,022	1,177,075	1,181,294	1,187,560	1,193,108	1,201,722
Commercial Thems	2,186,293	2,221,058	2,239,608	2,265,611	2,294,594	2,331,513	2,350,069	2,377,864	2,405,760	2,442,097
Industrial Thems	759,553	761,784	759,553	759,190	763,456	766,065	763,851	763,851	763,836	765,350
Ind., Inst., & Cmdl. Interrup. Thems	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Thems	4,101,165	4,159,771	4,187,626	4,225,287	4,268,866	4,323,447	4,344,008	4,378,069	4,411,497	4,457,963
Daily Baseload Thems	4,251	4,230	4,315	4,397	4,439	4,412	4,394	4,424	4,504	4,578
Peak Day Thems	39,756	41,715	42,181	42,598	43,047	41,890	42,264	44,220	44,568	44,923
Thems Per Residential Customer	567	569	567	567	567	569	567	567	567	569
Thems Per Commercial Customer	4,158	4,173	4,156	4,153	4,152	4,169	4,152	4,151	4,150	4,163
Thems Per Industrial Customer	34,266	34,366	34,266	34,249	34,248	34,366	34,266	34,266	34,266	34,333
Residential Customers	1,953	1,982	2,011	2,033	2,051	2,068	2,084	2,095	2,105	2,113
Commercial Customers	526	532	539	545	553	559	566	573	580	587
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	2,501	2,538	2,573	2,602	2,627	2,651	2,674	2,692	2,708	2,723

Lawrence	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.71%	1.11%	0.82%	1.37%	1.18%	0.58%	1.16%	0.83%	1.67%
Residential Thems	168,259	173,730	177,741	182,141	186,871	192,445	196,081	200,821	205,484	211,174
Commercial Thems	154,343	158,443	162,059	162,779	166,683	167,816	167,713	171,463	172,281	176,852
Industrial Thems	283,261	284,063	283,261	283,261	283,261	284,063	283,261	283,261	283,261	284,063
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	605,863	616,235	623,060	628,181	636,815	644,324	648,055	655,566	661,026	672,889
Daily Baseload Thems	1,133	1,139	1,154	1,164	1,174	1,176	1,179	1,188	1,199	1,214
Peak Day Thems	2,594	2,780	2,862	2,890	2,962	2,963	2,906	3,103	3,143	3,213
Thems Per Residential Customer	900	903	898	897	896	900	895	895	894	897
Thems Per Commercial Customer	3,061	3,074	3,061	3,060	3,060	3,074	3,061	3,061	3,061	3,072
Thems Per Industrial Customer	94,420	94,688	94,420	94,420	94,420	94,688	94,420	94,420	94,420	94,688
Residential Customers	187	192	198	203	209	214	219	225	230	236
Commercial Customers	50	52	53	53	54	55	55	56	56	58
Industrial Customers	3	3	3	3	3	3	3	3	3	3
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	240	247	254	259	266	271	277	284	289	296

Moxee (Beauchene)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		4.52%	1.70%	0.00%	1.59%	1.17%	0.86%	3.40%	0.83%	1.52%
Residential Thems	42,257	43,486	44,391	44,392	45,472	46,191	46,561	47,658	47,934	48,955
Commercial Thems	20,550	22,212	22,445	22,445	22,445	22,535	22,769	24,070	24,401	24,500
Industrial Thems	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	64,008	66,899	68,036	68,038	69,116	69,928	70,530	72,928	73,536	74,657
Daily Baseload Thems	41	43	44	44	44	45	45	47	47	47
Peak Day Thems	4,705	4,943	5,054	5,118	5,210	5,098	5,201	5,468	5,553	5,653
Thems Per Residential Customer	708	711	708	708	708	711	708	708	708	711
Thems Per Commercial Customer	1,258	1,263	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,263
Thems Per Industrial Customer	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202
Residential Customers	60	61	63	63	64	65	66	67	68	69
Commercial Customers	16	18	18	18	18	18	18	19	19	19
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	77	80	82	82	83	84	85	87	88	89

Othello	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.83%	0.60%	0.39%	0.71%	0.63%	0.35%	0.20%	0.57%	0.38%
Residential Thems	616,434	629,278	634,702	641,452	647,043	655,396	657,981	661,447	664,597	669,104
Commercial Thems	358,759	360,066	365,285	365,179	371,764	373,231	378,524	378,520	385,219	386,382
Industrial Thems	702,089	702,833	701,308	701,308	701,308	702,282	700,511	700,511	700,511	701,526
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	1,677,283	1,691,178	1,701,295	1,707,938	1,720,115	1,730,909	1,737,017	1,740,479	1,750,327	1,757,013
Daily Baseload Thems	2,611	2,866	2,886	2,903	2,910	3,144	3,138	3,140	3,158	3,418
Peak Day Thems	14,612	15,783	15,948	16,028	16,155	16,234	16,352	16,770	16,870	16,903
Thems Per Residential Customer	627	630	627	627	627	630	627	627	627	630
Thems Per Commercial Customer	6,159	6,181	6,112	6,111	6,066	6,090	6,025	6,025	5,984	6,002
Thems Per Industrial Customer	61,051	61,116	60,983	60,983	60,983	61,068	60,914	60,914	60,914	61,002
Residential Customers	982	997	1,011	1,023	1,032	1,040	1,049	1,054	1,059	1,063
Commercial Customers	58	58	60	60	61	61	63	63	64	64
Industrial Customers	12	12	12	12	12	12	12	12	12	12
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,052	1,067	1,083	1,094	1,104	1,113	1,123	1,128	1,135	1,139

North Pasco	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.33%	-0.14%	0.09%	0.26%	0.55%	-0.31%	0.02%	0.08%	0.27%
Residential Thems	663,022	665,654	662,870	662,577	662,424	665,269	662,640	662,793	662,718	664,761
Commercial Thems	991,824	994,886	996,163	998,676	1,004,457	1,011,921	1,009,175	1,009,543	1,011,364	1,014,103
Industrial Thems	400,735	401,905	400,735	400,598	400,598	401,905	400,735	400,735	400,735	401,633
Ind., Inst., & Cmdl. Interrup. Thems	109,275	109,621	109,275	109,232	109,232	109,621	109,275	109,275	109,275	109,535
Total Core Thems	2,164,855	2,172,066	2,169,043	2,171,083	2,176,711	2,188,717	2,181,824	2,182,346	2,184,091	2,190,031
Daily Baseload Thems	2,698	2,686	2,715	2,743	2,749	2,736	2,711	2,712	2,739	2,768
Peak Day Thems	30,689	31,623	31,672	31,705	31,773	30,889	30,892	31,838	31,859	31,867
Thems Per Residential Customer	611	614	611	611	611	614	611	611	611	613
Thems Per Commercial Customer	3,450	3,460	3,447	3,444	3,440	3,449	3,438	3,438	3,437	3,445
Thems Per Industrial Customer	36,430	36,537	36,430	36,418	36,418	36,537	36,430	36,430	36,430	36,512
Residential Customers	1,085	1,085	1,084	1,084	1,084	1,084	1,084	1,084	1,084	1,084
Commercial Customers	287	287	289	290	292	293	294	294	294	294
Industrial Customers	11	11	11	11	11	11	11	11	11	11
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,384	1,384	1,385	1,386	1,388	1,390	1,390	1,390	1,390	1,390

Appendix B
Demand Forecast
High Scenario

Patterson	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.21%	-0.20%	0.11%	0.00%	0.22%	1.02%	0.00%	0.00%	0.23%
Residential Therms	0	0	0	0	0	0	0	0	0	0
Commercial Therms	261,451	261,991	261,457	261,734	261,728	262,303	264,985	264,985	264,985	265,604
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	261,451	261,991	261,457	261,734	261,728	262,303	264,985	264,985	264,985	265,604
Daily Baseload Therms	536	533	533	533	533	531	532	532	533	525
Peak Day Therms	776	832	832	837	837	780	831	893	893	893
Therms Per Residential Customer	0	0	0	0	0	0	0	0	0	0
Therms Per Commercial Customer	62,748	62,878	62,750	60,986	60,985	61,119	46,617	46,617	46,617	46,726
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	0	0	0	0	0	0	0	0	0	0
Commercial Customers	4	4	4	4	4	4	6	6	6	6
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4	4	4	4	4	4	6	6	6	6

Prosser	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		3.78%	2.84%	2.93%	3.06%	3.14%	0.86%	3.03%	2.90%	3.27%
Residential Therms	257,544	271,758	283,950	297,270	311,066	326,488	339,126	353,386	367,915	384,232
Commercial Therms	433,356	449,636	462,084	474,433	488,177	504,576	516,548	531,489	545,756	562,570
Industrial Therms	128,119	128,592	128,119	128,078	128,078	125,377	109,037	109,037	109,037	109,370
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	819,019	849,986	874,153	899,782	927,321	956,441	964,711	993,912	1,022,708	1,056,172
Daily Baseload Therms	490	500	524	546	563	571	575	592	617	643
Peak Day Therms	9,878	10,398	10,715	11,014	11,353	11,633	12,064	12,582	12,926	13,392
Therms Per Residential Customer	531	533	531	531	531	533	531	531	531	533
Therms Per Commercial Customer	3,016	3,029	3,016	3,016	3,016	3,029	3,016	3,016	3,016	3,027
Therms Per Industrial Customer	25,624	25,718	25,624	25,616	25,616	25,718	25,624	25,624	25,624	25,702
Residential Customers	485	510	535	560	586	612	639	666	693	721
Commercial Customers	144	148	153	157	162	167	171	176	181	186
Industrial Customers	5	5	5	5	5	5	4	4	4	4
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	634	663	693	722	753	784	814	846	878	911

Quincy	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.72%	0.00%	0.23%	0.26%	0.93%	-0.10%	0.26%	0.43%	0.63%
Residential Therms	40,615	40,247	39,839	39,817	39,816	39,987	39,838	39,838	39,839	39,858
Commercial Therms	783,674	790,468	791,461	793,803	796,420	804,690	804,557	807,187	811,586	816,799
Industrial Therms	165,747	166,427	165,821	165,821	165,821	166,705	165,928	165,928	165,928	167,069
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	990,036	997,142	997,121	999,441	1,002,057	1,011,383	1,010,323	1,012,954	1,017,353	1,023,726
Daily Baseload Therms	1,491	1,483	1,497	1,511	1,516	1,504	1,499	1,504	1,521	1,528
Peak Day Therms	6,310	6,660	6,684	6,703	6,723	6,449	6,467	6,781	6,814	6,727
Therms Per Residential Customer	690	693	690	690	690	693	690	690	690	692
Therms Per Commercial Customer	11,980	11,969	11,834	11,862	11,834	11,823	11,756	11,729	11,685	11,695
Therms Per Industrial Customer	28,826	28,944	28,838	28,838	28,838	28,992	28,857	28,857	28,857	29,056
Residential Customers	59	58	58	58	58	58	58	58	58	58
Commercial Customers	65	66	67	67	67	68	68	69	69	70
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	130	130	130	130	131	132	132	132	133	133

Sunnyside	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.38%	0.66%	1.02%	0.85%	1.19%	0.44%	0.70%	0.70%	0.97%
Residential Therms	1,070,766	1,091,155	1,102,999	1,114,495	1,124,598	1,138,325	1,143,005	1,148,820	1,154,286	1,162,729
Commercial Therms	1,593,010	1,616,512	1,628,861	1,646,464	1,665,090	1,690,465	1,702,839	1,721,344	1,740,276	1,764,713
Industrial Therms	631,567	633,222	633,567	636,324	636,317	638,111	636,457	636,457	636,457	637,867
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,295,342	3,340,889	3,363,027	3,397,283	3,426,005	3,466,901	3,482,301	3,506,620	3,531,012	3,565,309
Daily Baseload Therms	3,359	3,367	3,409	3,458	3,480	3,484	3,488	3,506	3,543	3,578
Peak Day Therms	30,448	31,306	31,693	32,050	32,434	32,270	32,579	33,378	33,650	33,872
Therms Per Residential Customer	559	562	559	559	559	562	559	559	559	561
Therms Per Commercial Customer	3,004	3,012	2,997	2,993	2,990	2,998	2,984	2,981	2,977	2,985
Therms Per Industrial Customer	39,066	39,168	39,066	39,058	39,058	39,168	39,066	39,066	39,066	39,153
Residential Customers	1,914	1,943	1,971	1,992	2,011	2,027	2,043	2,054	2,063	2,071
Commercial Customers	530	537	543	550	557	564	571	578	584	591
Industrial Customers	16	16	16	16	16	16	16	16	16	16
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	2,460	2,496	2,530	2,559	2,584	2,607	2,630	2,647	2,664	2,678

Moses Lake	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.93%	-0.48%	0.22%	0.24%	0.76%	-0.30%	-0.10%	0.23%	0.75%
Residential Therms	368,764	368,667	365,564	364,612	363,974	365,581	363,389	363,008	362,180	362,530
Commercial Therms	3,311,604	3,346,538	3,332,223	3,341,795	3,351,648	3,379,034	3,370,504	3,379,011	3,388,890	3,416,989
Industrial Therms	212,589	213,880	212,528	212,528	212,528	213,553	212,484	200,351	200,351	201,398
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,892,958	3,929,085	3,910,315	3,918,935	3,928,150	3,958,168	3,946,378	3,942,370	3,951,421	3,980,916
Daily Baseload Therms	2,810	2,713	2,726	2,735	2,742	2,688	2,690	2,694	2,703	2,680
Peak Day Therms	17,626	19,792	19,837	19,885	19,946	20,640	20,750	20,957	21,077	21,139
Therms Per Residential Customer	514	516	514	513	513	516	514	514	514	515
Therms Per Commercial Customer	9,021	9,027	8,928	8,894	8,855	8,859	8,775	8,740	8,705	8,714
Therms Per Industrial Customer	26,853	27,016	26,846	26,846	26,846	26,975	26,840	26,866	26,866	29,118
Residential Customers	718	715	712	710	709	709	707	707	705	703
Commercial Customers	367	371	373	376	379	381	384	387	389	392
Industrial Customers	8	8	8	8	8	8	8	7	7	7
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,093	1,093	1,093	1,094	1,095	1,098	1,099	1,100	1,101	1,103

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7th Day School										
Total Therms Pct. Growth		0.50%	0.94%	2.16%	0.00%	0.50%	-0.50%	0.00%	0.00%	0.51%
Residential Therms	10,998	11,054	11,236	11,595	11,595	11,653	11,594	11,594	11,594	11,653
Commercial Therms	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772
Industrial Therms	1,669	1,677	1,669	1,670	1,670	1,677	1,669	1,669	1,669	1,677
Ind., Inst., & Cmdl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	16,420	16,502	16,658	17,017	17,017	17,101	17,016	17,016	17,016	17,102
Daily BaseLoad Therms	6	6	6	6	6	6	6	6	6	6
Peak Day Therms	543	549	552	597	617	609	609	617	617	617
Therms Per Residential Customer	939	944	939	939	939	944	939	939	939	944
Therms Per Commercial Customer	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772
Therms Per Industrial Customer	1,669	1,677	1,669	1,670	1,670	1,677	1,669	1,669	1,669	1,677
Residential Customers	12	12	12	12	12	12	12	12	12	12
Commercial Customers	1	1	1	1	1	1	1	1	1	1
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14	14	14	14	14	14	14	14	14	14

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima Training Center										
Total Therms Pct. Growth		1.73%	0.47%	1.47%	1.36%	1.69%	0.67%	1.33%	0.83%	1.82%
Residential Therms	5,050	5,169	5,292	5,291	5,316	5,365	5,440	5,489	5,489	5,535
Commercial Therms	398,929	405,792	407,610	413,671	419,345	426,485	429,310	435,055	438,728	446,775
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	403,979	410,961	412,902	418,962	424,660	431,849	434,750	440,544	444,217	452,310
Daily BaseLoad Therms	166	165	169	175	177	176	175	177	182	188
Peak Day Therms	404	338	339	339	339	321	322	324	324	327
Therms Per Residential Customer	192	193	192	192	192	193	192	192	192	193
Therms Per Commercial Customer	4,066	4,083	4,066	4,065	4,065	4,083	4,066	4,066	4,066	4,081
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	26	27	28	28	28	28	29	29	29	29
Commercial Customers	98	99	100	102	103	104	106	107	108	109
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	124	126	128	129	131	132	134	136	136	138

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Burbank Heights Loop										
Total Therms Pct. Growth		5.41%	4.39%	4.73%	4.49%	4.92%	3.94%	4.92%	4.09%	4.29%
Residential Therms	6,398,904	6,842,667	7,241,643	7,675,050	8,116,832	8,601,028	9,026,100	9,492,674	9,969,111	10,490,384
Commercial Therms	4,143,581	4,280,710	4,379,868	4,506,558	4,621,236	4,774,267	4,885,390	5,113,702	5,243,209	5,383,385
Industrial Therms	213,191	213,710	213,201	213,172	213,167	213,710	213,191	213,196	213,201	213,662
Ind., Inst., & Cmdl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	10,755,676	11,337,087	11,834,712	12,394,781	12,951,235	13,589,005	14,124,681	14,819,572	15,425,521	16,087,431
Daily BaseLoad Therms	9,662	10,082	10,606	11,153	11,643	12,098	12,553	13,182	13,782	14,382
Peak Day Therms	152,111	161,323	169,372	177,725	186,002	193,714	202,230	213,113	221,965	231,109
Therms Per Residential Customer	568	570	568	568	568	570	568	568	568	570
Therms Per Commercial Customer	3,897	3,898	3,871	3,858	3,847	3,859	3,841	3,897	3,894	3,897
Therms Per Industrial Customer	19,679	19,727	19,680	19,677	19,677	19,727	19,679	19,680	19,680	19,723
Residential Customers	11,260	11,994	12,743	13,508	14,285	15,077	15,883	16,704	17,543	18,393
Commercial Customers	1,063	1,098	1,132	1,168	1,201	1,237	1,272	1,312	1,347	1,381
Industrial Customers	11	11	11	11	11	11	11	11	11	11
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,335	13,103	13,886	14,687	15,497	16,325	17,166	18,027	18,900	19,786

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
East Stanwood Loop										
Total Therms Pct. Growth		1.86%	1.27%	1.62%	1.63%	1.95%	1.20%	1.53%	1.59%	1.83%
Residential Therms	5,900,815	5,998,556	6,052,487	6,131,079	6,212,045	6,318,082	6,375,488	6,456,809	6,538,068	6,643,535
Commercial Therms	4,102,532	4,193,025	4,270,678	4,361,961	4,454,430	4,558,732	4,633,585	4,722,741	4,821,449	4,925,558
Industrial Therms	138,081	138,420	138,081	138,081	138,081	138,400	138,081	138,081	138,081	138,387
Ind., Inst., & Cmdl. Interrupt. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	10,141,428	10,330,001	10,461,246	10,631,121	10,804,557	11,015,215	11,147,154	11,317,630	11,497,598	11,707,481
Daily BaseLoad Therms	11,929	12,059	12,298	12,541	12,744	12,896	13,052	13,250	13,506	13,747
Peak Day Therms	87,448	90,098	91,580	93,082	94,605	94,655	96,145	99,096	100,674	102,171
Therms Per Residential Customer	713	715	713	713	713	715	713	713	713	715
Therms Per Commercial Customer	4,096	4,109	4,092	4,089	4,087	4,101	4,084	4,082	4,081	4,093
Therms Per Industrial Customer	165,697	166,104	165,697	165,697	165,697	166,080	165,697	165,697	165,697	166,065
Residential Customers	8,279	8,385	8,492	8,603	8,717	8,831	8,945	9,059	9,173	9,289
Commercial Customers	1,002	1,021	1,044	1,067	1,090	1,112	1,135	1,157	1,182	1,204
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	9,282	9,406	9,536	9,671	9,808	9,944	10,080	10,217	10,356	10,493

Appendix B
Demand Forecast
High Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Kennewick Loop										
Total Therms Pct. Growth		4.69%	3.32%	3.59%	3.52%	4.10%	3.14%	3.33%	3.26%	3.58%
Residential Therms	10,464,922	11,038,460	11,535,854	12,083,093	12,640,195	13,256,565	13,778,783	14,360,494	14,949,722	15,604,095
Commercial Therms	11,613,877	12,109,514	12,397,989	12,726,876	13,059,899	13,513,884	13,850,084	14,203,719	14,560,057	14,976,162
Industrial Therms	271,389	260,180	259,129	259,129	259,129	260,328	259,129	259,129	259,129	260,511
Ind., Inst., & Cmid. Interup. Therms	217,844	218,830	217,844	217,844	217,844	218,969	217,844	217,844	217,844	219,141
Total Core Therms	22,566,032	23,626,984	24,410,817	25,286,942	26,177,067	27,249,745	28,105,640	29,041,187	29,986,753	31,059,909
Daily BaseLoad Therms	25,293	26,318	27,312	28,313	29,264	30,136	31,211	32,206	33,289	34,367
Peak Day Therms	286,298	300,502	312,385	324,315	336,415	347,458	360,483	375,464	388,308	402,064
Therms Per Residential Customer	635	638	635	635	635	638	635	635	635	638
Therms Per Commercial Customer	4,597	4,643	4,611	4,599	4,587	4,616	4,601	4,589	4,578	4,585
Therms Per Industrial Customer	38,090	38,508	38,353	38,353	38,353	38,530	38,353	38,353	38,353	38,557
Residential Customers	16,475	17,311	18,161	19,024	19,901	20,790	21,692	22,608	23,536	24,476
Commercial Customers	2,527	2,608	2,689	2,767	2,847	2,928	3,010	3,095	3,180	3,267
Industrial Customers	7	7	7	7	7	7	7	7	7	7
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	19,010	19,927	20,857	21,800	22,756	23,726	24,711	25,711	26,724	27,750

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Longview South Loop										
Total Therms Pct. Growth		2.33%	1.30%	1.55%	1.62%	1.78%	0.92%	1.10%	1.25%	1.59%
Residential Therms	1,006,586	1,039,715	1,065,302	1,093,281	1,122,510	1,155,740	1,180,667	1,208,780	1,238,131	1,271,897
Commercial Therms	3,827,663	3,914,258	3,958,922	4,010,174	4,055,724	4,115,173	4,141,376	4,176,065	4,216,330	4,274,737
Industrial Therms	255,021	255,871	255,003	259,424	273,011	278,642	280,012	280,005	282,319	283,101
Ind., Inst., & Cmid. Interup. Therms	103,528	103,926	103,528	103,528	103,528	103,957	103,528	103,528	103,528	103,679
Total Core Therms	5,192,797	5,313,770	5,382,754	5,466,407	5,554,773	5,653,513	5,705,581	5,788,377	5,840,308	5,933,414
Daily BaseLoad Therms	5,660	5,600	5,749	5,900	5,998	6,012	6,024	6,087	6,226	6,364
Peak Day Therms	57,323	58,262	59,232	60,705	62,731	60,894	61,514	64,256	64,902	67,592
Therms Per Residential Customer	506	507	506	505	505	507	506	506	506	507
Therms Per Commercial Customer	4,362	4,366	4,342	4,333	4,326	4,337	4,316	4,312	4,307	4,312
Therms Per Industrial Customer	17,949	18,009	17,947	17,942	17,943	18,009	17,948	17,948	17,947	17,997
Residential Customers	1,991	2,049	2,107	2,163	2,221	2,278	2,335	2,391	2,449	2,508
Commercial Customers	878	897	912	926	937	949	959	968	979	991
Industrial Customers	14	14	14	14	15	15	16	16	16	16
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	2,884	2,961	3,034	3,104	3,175	3,243	3,311	3,376	3,445	3,516

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Sedro-Woolley Loop										
Total Therms Pct. Growth		1.76%	1.14%	1.75%	1.85%	1.84%	1.00%	1.29%	1.31%	1.67%
Residential Therms	18,473,057	18,851,623	19,091,201	19,399,971	19,713,205	20,106,135	20,347,396	20,665,484	20,985,606	21,381,109
Commercial Therms	10,199,696	10,344,335	10,455,437	10,687,329	10,951,607	11,122,535	11,210,002	11,314,772	11,430,493	11,594,269
Industrial Therms	1,262,302	1,266,655	1,262,302	1,262,112	1,263,946	1,268,758	1,284,329	1,284,329	1,284,329	1,288,370
Ind., Inst., & Cmid. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	29,935,056	30,462,613	30,808,940	31,349,413	31,928,759	32,517,428	32,841,726	33,264,586	33,700,428	34,263,747
Daily BaseLoad Therms	27,204	27,429	27,966	28,598	29,137	29,411	29,653	30,016	30,540	31,077
Peak Day Therms	277,156	285,241	289,683	294,459	299,044	299,484	303,890	312,448	316,829	321,292
Therms Per Residential Customer	707	709	707	706	706	709	707	706	706	709
Therms Per Commercial Customer	3,089	3,095	3,081	3,092	3,119	3,124	3,106	3,101	3,095	3,100
Therms Per Industrial Customer	14,678	14,729	14,678	14,676	14,676	14,729	14,678	14,678	14,678	14,724
Residential Customers	26,144	26,581	27,020	27,461	27,905	28,352	28,800	29,251	29,704	30,159
Commercial Customers	3,302	3,343	3,393	3,456	3,511	3,560	3,609	3,649	3,693	3,741
Industrial Customers	86	86	86	86	86	88	88	88	88	88
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	29,532	30,010	30,499	31,003	31,502	31,999	32,497	32,987	33,485	33,988

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Sumas SPE Loop										
Total Therms Pct. Growth		1.92%	1.25%	1.56%	1.49%	1.87%	1.09%	0.76%	1.44%	1.79%
Residential Therms	33,143,842	33,793,460	34,191,944	34,716,348	35,247,097	35,918,314	36,319,764	36,858,169	37,399,955	38,079,122
Commercial Therms	15,804,319	15,788,303	16,008,798	16,262,317	16,490,699	16,785,685	16,954,763	17,186,491	17,420,431	17,717,804
Industrial Therms	1,081,795	1,102,187	1,115,250	1,136,205	1,155,283	1,176,412	1,191,731	1,213,269	1,232,768	1,258,634
Ind., Inst., & Cmid. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	49,729,956	50,683,950	51,315,991	52,114,870	52,893,079	53,880,411	54,466,258	55,257,929	56,053,154	57,055,260
Daily BaseLoad Therms	45,167	45,699	46,617	47,517	48,223	48,762	49,302	50,015	50,907	51,808
Peak Day Therms	492,035	504,292	512,067	519,914	527,777	530,461	538,337	551,565	559,600	567,942
Therms Per Residential Customer	743	746	743	743	743	746	743	743	743	746
Therms Per Commercial Customer	2,968	2,978	2,974	2,977	2,975	2,985	2,972	2,971	2,969	2,978
Therms Per Industrial Customer	16,569	16,625	16,569	16,567	16,567	16,625	16,569	16,569	16,569	16,621
Residential Customers	44,587	45,290	45,997	46,707	47,421	48,138	48,859	49,584	50,312	51,044
Commercial Customers	5,224	5,302	5,383	5,463	5,543	5,624	5,705	5,786	5,867	5,949
Industrial Customers	65	66	66	69	70	71	72	73	74	76
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	49,876	50,659	51,447	52,238	53,034	53,832	54,636	55,442	56,254	57,069

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima Loop										
Total Therms Pct. Growth		1.59%	0.79%	1.00%	1.16%	1.54%	0.51%	0.76%	0.71%	1.10%
Residential Therms	12,682,338	12,926,261	13,060,336	13,201,318	13,319,806	13,485,562	13,538,792	13,609,871	13,673,347	13,774,662
Commercial Therms	12,554,956	12,748,673	12,847,418	12,994,987	13,196,243	13,465,108	13,575,196	13,728,449	13,881,442	14,087,258
Industrial Therms	2,855,476	2,865,010	2,860,162	2,860,162	2,897,960	2,897,960	2,888,315	2,893,020	2,893,020	2,921,569
Ind., Inst., & Cmid. Interup. Therms	95,281	95,730	95,281	95,281	95,281	95,799	95,281	95,281	95,281	95,840
Total Core Therms	28,188,051	28,635,674	28,863,197	29,151,748	29,490,288	29,944,428	30,097,584	30,326,621	30,543,090	30,879,328
Daily BaseLoad Therms	23,268	23,371	23,770	24,138	24,417	24,536	24,595	24,777	25,100	25,444
Peak Day Therms	303,548	311,957	315,813	319,164	322,792	321,452	324,446	331,944	334,373	336,850
Therms Per Residential Customer	664	666	664	664	664	666	664	664	664	666
Therms Per Commercial Customer	3,622	3,634	3,616	3,613	3,624	3,652	3,637	3,635	3,632	3,642
Therms Per Industrial Customer	37,490	37,615	37,490	37,490	37,490	37,615	37,490	37,490	37,490	37,615
Residential Customers	19,111	19,400	19,690	19,896	20,075	20,239	20,401	20,509	20,604	20,880
Commercial Customers	3,467	3,509	3,553	3,597	3,642	3,687	3,732	3,777	3,822	3,868
Industrial Customers	76	76	76	76	77	77	77	77	77	78
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	22,656	22,987 </								

Appendix B
Demand Forecast
High Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 10										
Total Therms Pct. Growth		1.52%	0.82%	1.07%	1.06%	1.33%	0.49%	0.89%	0.89%	1.17%
Residential Therms	3,013,531	3,080,592	3,122,059	3,165,871	3,205,404	3,257,095	3,281,069	3,310,459	3,338,832	3,376,668
Commercial Therms	5,637,072	5,721,899	5,770,653	5,834,935	5,904,009	5,993,870	6,043,466	6,111,649	6,181,884	6,271,158
Industrial Therms	1,592,488	1,597,118	1,592,456	1,596,810	1,601,069	1,603,033	1,582,518	1,582,518	1,582,496	1,586,028
Ind., Inst., & Cmpl. Interrup. Therms	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Therms	10,291,885	10,448,403	10,533,962	10,646,411	10,759,276	10,902,792	10,955,847	11,053,420	11,152,007	11,282,648
Daily BaseLoad Therms	12,294	12,221	12,405	12,593	12,692	12,621	12,619	12,700	12,871	12,982
Peak Day Therms	94,287	98,119	99,459	100,725	102,047	100,724	101,976	105,737	106,818	107,975
Therms Per Residential Customer	3,726	3,743	3,726	3,726	3,726	3,743	3,726	3,726	3,726	3,742
Therms Per Commercial Customer	21,363	21,383	21,257	21,199	21,150	21,175	21,046	21,005	20,952	20,967
Therms Per Industrial Customer	109,129	109,466	109,126	109,093	109,092	109,460	109,121	109,121	109,120	109,392
Residential Customers	5,347	5,445	5,542	5,622	5,693	5,761	5,829	5,882	5,934	5,981
Commercial Customers	1,392	1,412	1,432	1,452	1,473	1,494	1,515	1,535	1,557	1,578
Industrial Customers	53	53	53	53	53	53	52	52	52	52
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	6,793	6,910	7,028	7,128	7,220	7,309	7,397	7,471	7,544	7,613

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 11										
Total Therms Pct. Growth		1.29%	0.60%	0.81%	0.97%	1.34%	0.37%	0.62%	0.61%	0.96%
Residential Therms	13,895,683	14,146,376	14,279,345	14,420,271	14,537,514	14,707,547	14,754,636	14,822,908	14,883,405	14,984,711
Commercial Therms	17,606,046	17,828,989	17,922,726	18,077,760	18,295,704	18,597,759	18,705,194	18,867,429	19,071,019	19,271,111
Industrial Therms	4,087,011	4,072,560	4,064,378	4,064,289	4,083,038	4,105,235	4,091,842	4,096,546	4,096,546	4,128,275
Ind., Inst., & Cmpl. Interrup. Therms	95,281	95,730	95,281	95,281	95,281	95,799	95,281	95,281	95,281	95,840
Total Core Therms	35,684,021	36,143,656	36,361,730	36,657,601	37,011,538	37,506,339	37,646,953	37,882,165	38,112,251	38,479,937
Daily BaseLoad Therms	32,947	33,223	33,690	34,119	34,408	34,710	34,722	34,907	35,298	35,943
Peak Day Therms	362,140	372,726	376,727	380,110	383,832	381,248	384,342	393,497	398,014	398,392
Therms Per Residential Customer	2,639	2,649	2,639	2,638	2,638	2,649	2,638	2,638	2,639	2,647
Therms Per Commercial Customer	30,919	30,981	30,782	30,742	30,680	30,762	30,577	30,547	30,459	30,531
Therms Per Industrial Customer	154,142	154,546	154,087	154,080	154,079	154,546	154,036	154,036	154,036	154,530
Residential Customers	21,365	21,653	21,937	22,150	22,323	22,482	22,639	22,738	22,826	22,992
Commercial Customers	4,378	4,421	4,468	4,514	4,563	4,611	4,660	4,707	4,755	4,803
Industrial Customers	107	106	106	106	107	107	107	107	107	108
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	25,851	26,182	26,514	26,773	26,995	27,202	27,408	27,554	27,690	27,804

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 20										
Total Therms Pct. Growth		4.26%	3.06%	3.42%	3.35%	3.86%	2.91%	3.38%	3.12%	3.43%
Residential Therms	17,910,855	18,931,531	19,822,653	20,802,834	21,801,724	22,907,553	23,850,700	24,899,512	25,965,114	27,144,006
Commercial Therms	20,175,729	20,846,918	21,221,084	21,691,815	22,164,515	22,806,885	23,242,454	23,845,011	24,343,654	24,931,233
Industrial Therms	1,097,904	1,089,675	1,085,593	1,085,428	1,085,423	1,089,496	1,085,539	1,073,411	1,073,416	1,077,204
Ind., Inst., & Cmpl. Interrup. Therms	327,119	328,451	327,119	327,076	327,076	328,590	327,119	327,119	327,119	328,676
Total Core Therms	39,511,618	41,196,575	42,456,450	43,907,153	45,378,739	47,132,534	48,505,812	50,145,053	51,709,303	53,481,118
Daily BaseLoad Therms	40,612	41,947	43,509	45,099	46,566	47,825	49,331	50,975	52,695	54,384
Peak Day Therms	487,331	513,804	533,840	554,215	574,729	593,148	614,814	641,847	663,695	686,737
Therms Per Residential Customer	2,873	2,885	2,873	2,872	2,872	2,885	2,873	2,873	2,873	2,883
Therms Per Commercial Customer	28,931	29,025	28,823	28,758	28,692	28,778	28,621	28,630	28,580	28,633
Therms Per Industrial Customer	121,053	121,789	121,309	121,294	121,293	121,769	121,302	123,429	123,430	123,910
Residential Customers	29,566	31,135	32,731	34,359	36,013	37,695	39,404	41,141	42,907	44,697
Commercial Customers	4,259	4,379	4,497	4,616	4,735	4,856	4,976	5,105	5,228	5,352
Industrial Customers	37	37	37	37	37	37	37	36	36	36
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	33,864	35,552	37,266	39,013	40,787	42,589	44,418	46,284	48,172	50,087

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 24										
Total Therms Pct. Growth		0.98%	0.18%	0.67%	0.78%	1.17%	0.47%	0.78%	0.78%	1.08%
Residential Therms	4,330,915	4,383,243	4,399,510	4,439,278	4,488,593	4,557,168	4,587,473	4,634,244	4,681,068	4,739,907
Commercial Therms	4,244,983	4,284,859	4,290,787	4,317,905	4,347,070	4,391,950	4,413,333	4,444,333	4,471,964	4,519,105
Industrial Therms	224,818	225,299	224,818	224,818	224,818	224,818	224,818	224,818	224,818	233,813
Ind., Inst., & Cmpl. Interrup. Therms	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,562
Total Core Therms	9,840,088	9,936,387	9,954,488	10,021,163	10,099,643	10,217,385	10,264,997	10,342,767	10,423,317	10,535,392
Daily BaseLoad Therms	7,571	7,554	7,643	7,738	7,786	7,770	7,773	7,821	7,920	8,018
Peak Day Therms	104,041	106,077	106,752	107,549	108,466	108,998	109,116	111,522	112,417	113,371
Therms Per Residential Customer	1,627	1,634	1,627	1,626	1,626	1,634	1,627	1,627	1,627	1,633
Therms Per Commercial Customer	8,022	8,054	8,020	8,018	8,018	8,018	8,017	8,016	8,016	8,045
Therms Per Industrial Customer	35,501	35,613	35,501	35,501	35,501	35,510	35,501	35,501	35,590	35,401
Residential Customers	7,185	7,240	7,298	7,364	7,445	7,524	7,605	7,681	7,757	7,824
Commercial Customers	1,440	1,448	1,456	1,466	1,476	1,485	1,499	1,510	1,520	1,531
Industrial Customers	22	22	22	22	22	22	22	22	23	24
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,647	8,711	8,777	8,853	8,944	9,033	9,127	9,214	9,301	9,379

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 26										
Total Therms Pct. Growth		2.11%	1.17%	1.35%	1.46%	1.61%	0.83%	1.05%	1.13%	1.52%
Residential Therms	1,621,880	1,674,906	1,715,575	1,760,221	1,807,509	1,861,195	1,900,163	1,945,446	1,992,255	2,046,013
Commercial Therms	5,084,653	5,196,129	5,255,921	5,318,277	5,379,660	5,453,138	5,488,910	5,535,272	5,585,352	5,661,549
Industrial Therms	1,198,767	1,202,795	1,198,749	1,203,170	1,226,394	1,226,394	1,223,757	1,223,750	1,226,064	1,231,176
Ind., Inst., & Cmpl. Interrup. Therms	103,528	103,926	103,528	103,528	103,528	103,528	103,528	103,528	103,528	103,679
Total Core Therms	8,008,828	8,177,756	8,273,772	8,385,194	8,507,453	8,644,684	8,716,358	8,807,996	8,907,199	9,042,417
Daily BaseLoad Therms	9,563	9,612	9,820	10,020	10,157	10,165	10,185	10,277	10,466	10,637
Peak Day Therms	81,534	82,751	84,060	85,821	88,158	89,935	89,687	90,709	91,632	94,502
Therms Per Residential Customer	3,418	3,433	3,416	3,354	3,304	3,312	3,301	3,300	3,299	3,307
Therms Per Commercial Customer	76,316	76,477	76,284	74,505	74,493	74,672	74,672	74,672	74,672	74,672
Therms Per Industrial Customer	156,401	156,887	156,400	156,395	156,395	156,394	156,401	156,401	156,400	156,952
Residential Customers	2,952	3,038	3,124	3,207	3,294	3,378	3,463	3,546	3,632	3,719
Commercial Customers	1,184	1,209	1,231	1,249	1,266					

Zone 30-S	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.72%	0.97%	1.26%	1.46%	1.57%	0.88%	1.27%	1.28%	1.63%
Residential Thems	25,601,897	26,101,526	26,402,727	26,793,312	27,160,807	27,651,614	27,949,530	28,358,727	28,764,281	29,289,946
Commercial Thems	15,336,232	15,559,883	15,681,914	15,841,208	16,132,800	16,354,827	16,462,092	16,634,225	16,820,834	17,055,213
Industrial Thems	596,571	599,269	596,571	596,503	581,761	566,653	563,787	563,787	563,787	566,721
Ind., Inst., & Cmpl. Interrup. Thems	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Thems	42,376,093	43,105,582	43,522,605	44,072,416	44,716,780	45,418,580	45,816,892	46,386,132	46,990,294	47,757,744
Daily BaseLoad Thems	40,024	40,417	41,078	41,719	42,336	42,695	43,081	43,612	44,295	44,972
Peak Day Thems	390,345	399,452	405,022	410,374	415,917	418,147	423,737	434,627	440,472	445,873
Thems Per Residential Customer	1,418	1,423	1,418	1,418	1,418	1,423	1,418	1,418	1,418	1,423
Thems Per Commercial Customer	8,026	8,050	8,014	8,007	8,038	8,063	8,028	8,022	8,016	8,038
Thems Per Industrial Customer	42,612	42,805	42,612	42,607	43,995	44,113	43,890	43,890	43,890	44,119
Residential Customers	36,594	37,172	37,743	38,307	38,835	39,389	39,965	40,562	41,135	41,740
Commercial Customers	3,835	3,882	3,932	3,976	4,024	4,068	4,115	4,163	4,215	4,263
Industrial Customers	28	28	28	28	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	40,459	41,083	41,705	42,314	42,888	43,486	44,108	44,744	45,378	46,032

Zone 30-W	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.87%	1.23%	1.63%	1.63%	1.88%	1.08%	1.42%	1.42%	1.77%
Residential Thems	61,230,110	62,415,167	63,139,588	64,095,606	65,067,258	66,298,718	67,030,685	68,014,968	69,005,325	70,246,435
Commercial Thems	32,256,115	32,840,350	33,308,758	33,949,170	34,585,207	35,235,399	35,619,507	36,107,182	36,617,068	37,252,215
Industrial Thems	2,758,939	2,788,367	2,805,278	2,825,964	2,856,660	2,907,526	2,920,177	2,951,679	2,971,178	3,013,631
Ind., Inst., & Cmpl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	96,245,164	98,043,883	99,253,624	100,870,740	102,519,125	104,441,643	105,570,370	107,073,829	108,593,571	110,512,281
Daily BaseLoad Thems	91,141	92,104	93,975	95,913	97,486	98,530	99,549	100,949	102,786	104,637
Peak Day Thems	919,319	944,760	959,590	974,747	989,777	992,420	1,007,275	1,034,668	1,049,747	1,065,141
Thems Per Residential Customer	5,619	5,642	5,619	5,618	5,618	5,642	5,619	5,619	5,619	5,639
Thems Per Commercial Customer	34,289	33,251	32,715	32,641	32,664	32,787	32,653	32,645	32,636	32,731
Thems Per Industrial Customer	206,711	207,260	206,711	206,705	206,705	207,237	206,711	206,711	206,711	207,205
Residential Customers	83,977	85,283	86,597	87,920	89,255	90,594	91,939	93,291	94,650	96,016
Commercial Customers	10,200	10,356	10,528	10,713	10,888	11,056	11,227	11,388	11,557	11,725
Industrial Customers	185	187	189	190	193	195	197	199	200	203
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	94,362	95,826	97,315	98,823	100,335	101,846	103,363	104,878	106,407	107,944

Zone GTN	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		3.96%	3.00%	3.43%	3.29%	3.89%	2.77%	3.14%	3.09%	3.45%
Residential Thems	35,322,132	37,107,176	38,605,340	40,308,888	42,044,398	44,000,612	45,588,705	47,389,678	49,214,574	51,269,459
Commercial Thems	19,661,401	20,089,561	20,341,308	20,665,703	20,974,717	21,486,796	21,745,303	22,082,038	22,418,776	22,862,488
Industrial Thems	1,896,949	1,945,525	1,978,334	2,051,893	2,093,098	2,170,841	2,207,169	2,262,504	2,323,844	2,386,029
Ind., Inst., & Cmpl. Interrup. Thems	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,075
Total Core Thems	57,177,968	59,441,643	61,222,469	63,323,971	65,409,699	67,957,324	69,838,664	72,031,707	74,254,681	76,817,052
Daily BaseLoad Thems	50,524	52,044	54,025	56,069	57,910	59,716	61,353	63,256	65,452	67,649
Peak Day Thems	686,974	717,739	742,993	768,725	794,091	813,221	839,086	873,734	900,653	928,087
Thems Per Residential Customer	7,504	7,530	7,490	7,483	7,476	7,503	7,464	7,458	7,453	7,479
Thems Per Commercial Customer	37,277	37,384	37,198	37,148	37,119	37,253	37,071	37,028	37,001	37,109
Thems Per Industrial Customer	111,397	111,602	110,969	109,659	108,639	108,916	108,286	108,100	107,924	108,180
Residential Customers	47,698	49,875	52,087	54,369	56,689	59,050	61,420	63,826	66,265	68,736
Commercial Customers	6,919	7,045	7,170	7,292	7,406	7,522	7,650	7,775	7,900	8,027
Industrial Customers	95	97	99	103	106	109	113	115	118	122
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	54,712	57,017	59,357	61,766	64,202	66,681	69,183	71,718	74,284	76,887

Zone ME-OR	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.35%	0.50%	0.95%	1.23%	1.60%	0.66%	1.11%	1.24%	1.56%
Residential Thems	6,271,106	6,395,779	6,464,829	6,570,528	6,700,041	6,851,044	6,914,510	7,027,468	7,155,293	7,309,642
Commercial Thems	7,074,706	7,149,891	7,183,814	7,205,322	7,267,865	7,364,347	7,411,951	7,478,284	7,553,647	7,651,155
Industrial Thems	651,829	654,181	651,829	651,741	651,741	654,181	651,829	651,829	651,829	654,004
Ind., Inst., & Cmpl. Interrup. Thems	1,191,430	1,194,914	1,191,430	1,191,314	1,191,314	1,194,872	1,191,430	1,191,430	1,191,430	1,194,856
Total Core Thems	15,189,071	15,394,766	15,471,903	15,618,906	15,810,962	16,064,444	16,169,721	16,349,012	16,552,200	16,809,657
Daily BaseLoad Thems	16,443	16,544	16,735	16,943	17,128	17,260	17,359	17,534	17,801	18,086
Peak Day Thems	175,013	178,216	180,049	182,008	184,638	185,148	187,224	191,735	194,314	197,148
Thems Per Residential Customer	3,114	3,126	3,114	3,113	3,113	3,126	3,114	3,114	3,114	3,125
Thems Per Commercial Customer	25,254	25,305	25,187	25,146	25,105	25,152	25,017	24,985	24,940	24,983
Thems Per Industrial Customer	108,943	109,289	108,943	108,929	108,929	109,289	108,943	108,943	108,943	109,262
Residential Customers	11,021	11,199	11,366	11,555	11,785	12,004	12,165	12,366	12,593	12,819
Commercial Customers	1,869	1,883	1,895	1,908	1,928	1,949	1,972	1,992	2,015	2,037
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	12,918	13,110	13,290	13,493	13,742	13,982	14,166	14,387	14,637	14,884

Zone ME-WA	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.74%	0.84%	1.21%	1.21%	1.70%	0.80%	1.18%	1.19%	1.63%
Residential Thems	7,172,144	7,310,057	7,393,487	7,504,318	7,616,559	7,759,510	7,843,297	7,957,133	8,071,433	8,215,868
Commercial Thems	5,189,215	5,260,034	5,296,913	5,350,416	5,404,580	5,477,129	5,514,010	5,569,249	5,623,829	5,697,105
Industrial Thems	149,773	164,204	163,666	163,649	163,651	178,552	177,971	177,969	180,416	193,307
Ind., Inst., & Cmpl. Interrup. Thems	732,977	739,869	732,977	732,977	733,182	739,869	732,977	732,977	732,977	739,869
Total Core Thems	13,244,110	13,474,164	13,587,043	13,751,360	13,917,972	14,155,060	14,268,255	14,437,328	14,608,654	14,846,148
Daily BaseLoad Thems	12,801	12,945	13,142	13,341	13,503	13,645	13,769	13,933	14,140	14,362
Peak Day Thems	161,688	165,587	167,795	170,013	172,242	175,108	177,339	180,834	183,129	186,116
Thems Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Thems Per Commercial Customer	3,970	3,975	3,956	3,949	3,942	3,949	3,930	3,923	3,917	3,923
Thems Per Industrial Customer	9,264	9,295	9,264	9,263	9,263	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,376	11,551	11,727	11,904	12,082	12,261	12,440	12,621	12,802	12,984
Commercial Customers	1,307	1,323	1,339	1,355	1,371	1,387	1,403	1,419	1,436	1,452
Industrial Customers	16	18	18	18	18	19	19	19	19	21
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,699	12,892	13,084	13,277						

Appendix B
Demand Forecast
High Scenario

Bellingham District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.91%	1.26%	1.56%	1.49%	1.86%	1.08%	1.45%	1.43%	1.78%
Residential Thems	33,251,362	33,902,939	34,303,235	34,828,491	35,361,436	36,034,840	36,437,477	36,977,416	37,521,173	38,202,793
Commercial Thems	15,715,132	16,001,495	16,230,396	16,489,700	16,720,182	17,016,146	17,184,681	17,417,711	17,651,982	17,949,804
Industrial Thems	1,082,995	1,103,389	1,116,450	1,137,405	1,156,483	1,177,614	1,192,932	1,214,469	1,233,586	1,259,736
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	50,049,489	51,007,823	51,650,081	52,455,596	53,238,101	54,228,600	54,815,090	55,609,596	56,407,124	57,412,333
Daily BaseLoad Thems	45,475	46,004	46,943	47,855	48,564	49,100	49,637	50,352	51,249	52,157
Peak Day Thems	501,201	513,980	521,939	529,870	537,838	540,138	548,127	561,912	570,049	578,504
Thems Per Residential Customer	2,756	2,786	2,756	2,755	2,755	2,766	2,756	2,756	2,756	2,765
Thems Per Commercial Customer	20,111	20,185	19,704	19,622	19,620	19,701	19,625	19,624	19,622	19,678
Thems Per Industrial Customer	17,769	17,827	17,769	17,768	17,768	17,827	17,769	17,769	17,769	17,823
Residential Customers	44,740	45,445	46,155	46,866	47,583	48,303	49,026	49,753	50,484	51,216
Commercial Customers	5,262	5,342	5,424	5,506	5,586	5,666	5,748	5,830	5,912	5,994
Industrial Customers	66	67	68	70	71	72	73	74	75	77
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	50,068	50,854	51,647	52,441	53,240	54,041	54,847	55,657	56,472	57,289

Mount Vernon District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.82%	1.21%	1.70%	1.79%	1.89%	1.08%	1.40%	1.40%	1.75%
Residential Thems	27,978,748	28,512,228	28,836,353	29,267,115	29,705,822	30,263,878	30,593,208	31,037,552	31,484,151	32,043,642
Commercial Thems	16,540,893	16,838,855	17,078,361	17,459,470	17,875,025	18,219,254	18,434,826	18,689,471	18,965,086	19,302,412
Industrial Thems	1,675,943	1,684,978	1,688,828	1,688,558	1,700,177	1,729,912	1,727,245	1,737,210	1,737,210	1,753,895
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	46,195,674	47,036,060	47,603,543	48,415,144	49,281,024	50,213,043	50,755,280	51,464,233	52,186,447	53,099,948
Daily BaseLoad Thems	45,666	46,099	47,032	48,058	48,922	49,430	49,912	50,598	51,536	52,480
Peak Day Thems	418,118	430,780	437,652	444,876	451,939	452,282	459,147	472,756	479,698	486,638
Thems Per Residential Customer	2,863	2,875	2,863	2,863	2,863	2,875	2,863	2,863	2,863	2,875
Thems Per Commercial Customer	14,178	13,065	13,011	13,019	13,043	13,086	13,028	13,021	13,013	13,053
Thems Per Industrial Customer	188,942	189,434	188,942	188,937	188,937	189,410	188,942	188,942	188,942	189,386
Residential Customers	39,237	39,838	40,443	41,054	41,671	42,292	42,913	43,538	44,166	44,797
Commercial Customers	4,938	5,014	5,104	5,207	5,302	5,390	5,479	5,569	5,645	5,731
Industrial Customers	119	119	121	121	122	124	124	125	125	126
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	44,294	44,972	45,668	46,382	47,095	47,805	48,516	49,222	49,936	50,655

Bremerton District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.92%	1.16%	1.46%	1.70%	1.75%	1.05%	1.45%	1.45%	1.81%
Residential Thems	23,037,841	23,522,474	23,829,902	24,223,234	24,604,097	25,090,968	25,399,561	25,806,951	26,214,664	26,731,424
Commercial Thems	12,361,207	12,574,634	12,708,165	12,867,120	13,154,891	13,363,584	13,480,237	13,654,076	13,838,549	14,064,562
Industrial Thems	458,978	461,007	458,978	458,978	444,235	428,391	426,193	426,193	426,193	428,595
Ind., Inst., & Cmcl. Interrup. Thems	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Thems	36,699,418	37,403,019	37,838,437	38,390,724	39,044,616	39,728,429	40,147,384	40,728,613	41,320,799	42,070,446
Daily BaseLoad Thems	34,435	34,880	35,483	36,067	36,691	37,109	37,551	38,082	38,708	39,329
Peak Day Thems	341,370	348,880	354,423	359,783	365,430	369,253	374,842	384,186	390,034	395,431
Thems Per Residential Customer	697	700	697	697	697	700	697	697	697	700
Thems Per Commercial Customer	3,990	3,999	3,978	3,972	4,003	4,014	3,993	3,987	3,981	3,991
Thems Per Industrial Customer	32,784	32,929	32,784	32,784	34,172	34,237	34,061	34,061	34,061	34,253
Residential Customers	33,037	33,607	34,174	34,741	35,287	35,850	36,427	37,012	37,598	38,202
Commercial Customers	3,098	3,145	3,195	3,239	3,286	3,330	3,376	3,424	3,476	3,524
Industrial Customers	14	14	14	14	13	13	13	13	13	13
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	36,151	36,768	37,385	37,996	38,588	39,194	39,818	40,451	41,088	41,741

Longview District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		2.17%	1.22%	1.39%	1.51%	1.66%	0.82%	1.08%	1.16%	1.56%
Residential Thems	1,621,880	1,674,906	1,715,575	1,760,221	1,807,509	1,861,195	1,900,163	1,945,446	1,992,255	2,046,013
Commercial Thems	4,823,202	4,934,138	4,994,464	5,056,543	5,117,932	5,190,834	5,223,925	5,270,287	5,320,367	5,395,945
Industrial Thems	1,198,767	1,202,795	1,198,749	1,203,170	1,216,757	1,228,394	1,223,750	1,223,750	1,226,064	1,231,176
Ind., Inst., & Cmcl. Interrup. Thems	103,528	103,926	103,528	103,528	103,528	103,957	103,528	103,528	103,528	103,679
Total Core Thems	7,747,377	7,915,763	8,012,315	8,123,461	8,245,725	8,382,381	8,451,373	8,544,011	8,642,214	8,776,813
Daily BaseLoad Thems	9,027	9,079	9,287	9,487	9,624	9,635	9,652	9,745	9,934	10,112
Peak Day Thems	80,758	81,920	83,229	84,984	87,321	89,155	86,037	89,816	90,739	93,609
Thems Per Residential Customer	3,418	3,433	3,416	3,354	3,304	3,312	3,301	3,300	3,299	3,307
Thems Per Commercial Customer	13,567	13,599	13,535	13,518	13,508	13,553	13,493	13,486	13,477	13,510
Thems Per Industrial Customer	156,401	156,887	156,400	156,395	156,395	156,943	156,401	156,401	156,400	156,952
Residential Customers	2,952	3,038	3,124	3,207	3,294	3,378	3,463	3,546	3,632	3,719
Commercial Customers	1,180	1,205	1,227	1,244	1,261	1,276	1,290	1,303	1,316	1,333
Industrial Customers	32	32	32	32	33	33	34	34	34	34
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,165	4,276	4,384	4,485	4,590	4,688	4,787	4,883	4,983	5,087

Aberdeen District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.46%	-0.32%	-0.04%	-0.17%	0.32%	-0.36%	0.00%	0.00%	0.31%
Residential Thems	2,564,056	2,579,052	2,572,825	2,570,078	2,556,709	2,560,646	2,549,969	2,551,776	2,549,617	2,558,521
Commercial Thems	2,975,026	2,985,249	2,973,749	2,974,088	2,977,930	2,991,243	2,981,855	2,980,149	2,982,285	2,990,651
Industrial Thems	137,594	138,262	137,594	137,526	137,526	138,262	137,594	137,594	137,594	138,126
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,676,675	5,702,563	5,684,168	5,681,692	5,672,165	5,680,151	5,669,418	5,669,518	5,669,495	5,687,298
Daily BaseLoad Thems	5,690	5,538	5,595	5,651	5,645	5,586	5,530	5,530	5,587	5,643
Peak Day Thems	48,975	50,571	50,599	50,590	50,488	48,894	48,894	50,441	50,438	50,443
Thems Per Residential Customer	721	724	721	721	721	724	721	721	721	723
Thems Per Commercial Customer	4,036	4,051	4,037	4,035	4,034	4,035	4,035	4,035	4,035	4,047
Thems Per Industrial Customer	9,828	9,876	9,828	9,823	9,823	9,876	9,828	9,828	9,828	9,866
Residential Customers	3,557	3,564	3,569	3,566	3,548	3,539	3,538	3,540	3,537	3,538
Commercial Customers	737	737	737	737	738	739	739	739	739	739
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,308	4,315	4,320	4,318	4,300	4,292	4,291	4,293	4,290	4,291

Appendix B
Demand Forecast
High Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Kennewick District										
Total Thems Pct. Growth		4.87%	3.62%	3.93%	3.83%	4.33%	3.38%	3.85%	3.51%	3.79%
Residential Thems	16,879,079	17,897,211	18,794,219	19,775,645	20,775,327	21,876,713	22,824,670	23,873,710	24,940,216	26,116,715
Commercial Thems	16,133,753	16,767,485	17,154,155	17,613,078	18,070,139	18,678,234	19,127,760	19,721,443	20,208,385	20,765,745
Industrial Thems	484,580	473,890	472,331	472,301	472,296	474,038	472,320	472,325	472,331	474,174
Ind., Inst., & Cmdl. Interrup. Thems	217,844	218,830	217,844	217,844	217,844	218,969	217,844	217,844	217,844	219,141
Total Core Thems	33,715,257	35,357,415	36,638,549	38,078,868	39,535,606	41,247,953	42,642,595	44,285,323	45,838,777	47,575,775
Daily Baseoad Thems	35,640	37,081	38,602	40,155	41,808	42,931	44,463	46,101	47,787	49,460
Peak Day Thems	439,791	463,221	483,163	503,461	523,847	542,399	564,002	589,944	611,652	634,624
Thems Per Residential Customer	1,748	1,755	1,748	1,748	1,748	1,755	1,748	1,748	1,748	1,755
Thems Per Commercial Customer	79,208	79,415	79,198	77,407	77,383	77,590	63,025	63,069	63,065	63,200
Thems Per Industrial Customer	57,769	58,235	58,033	58,030	58,030	58,257	58,032	58,032	58,033	58,280
Residential Customers	27,763	29,335	30,935	32,564	34,220	35,902	37,612	39,350	41,117	42,910
Commercial Customers	3,608	3,725	3,839	3,955	4,069	4,185	4,304	4,430	4,550	4,671
Industrial Customers	18	18	18	18	18	18	18	18	18	18
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	31,391	33,079	34,792	36,537	38,307	40,106	41,934	43,799	45,686	47,600

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Walla Walla District										
Total Thems Pct. Growth		1.74%	0.84%	1.21%	1.21%	1.70%	0.80%	1.18%	1.19%	1.63%
Residential Thems	7,172,144	7,310,057	7,393,487	7,504,318	7,616,559	7,759,510	7,843,297	7,957,133	8,071,433	8,215,868
Commercial Thems	5,189,215	5,260,034	5,296,013	5,350,416	5,404,580	5,477,129	5,514,010	5,569,249	5,623,829	5,697,105
Industrial Thems	149,773	164,204	163,666	163,649	163,651	178,552	177,971	177,969	180,416	193,307
Ind., Inst., & Cmdl. Interrup. Thems	732,977	739,869	732,977	732,977	732,977	739,869	732,977	732,977	732,977	739,869
Total Core Thems	13,244,110	13,474,164	13,587,043	13,751,360	13,917,972	14,155,060	14,268,255	14,437,328	14,608,654	14,846,148
Daily Baseoad Thems	12,801	12,945	13,142	13,341	13,503	13,645	13,769	13,933	14,140	14,362
Peak Day Thems	161,688	165,587	167,795	170,013	172,242	175,108	177,339	180,834	183,129	186,116
Thems Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Thems Per Commercial Customer	3,970	3,975	3,966	3,949	3,942	3,949	3,930	3,923	3,917	3,923
Thems Per Industrial Customer	9,264	9,295	9,264	9,263	9,263	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,376	11,551	11,727	11,904	12,082	12,261	12,440	12,621	12,802	12,984
Commercial Customers	1,307	1,323	1,339	1,355	1,371	1,387	1,403	1,419	1,436	1,452
Industrial Customers	16	18	18	18	18	19	19	19	19	21
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,699	12,892	13,084	13,277	13,471	13,667	13,863	14,060	14,257	14,457

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Wenatchee District										
Total Thems Pct. Growth		0.30%	-0.38%	0.05%	0.11%	0.56%	-0.35%	-0.06%	0.09%	0.45%
Residential Thems	1,623,646	1,620,989	1,607,450	1,599,399	1,591,748	1,592,075	1,578,453	1,571,902	1,564,871	1,562,700
Commercial Thems	8,596,630	8,655,882	8,630,798	8,644,394	8,664,457	8,723,890	8,701,843	8,713,959	8,731,863	8,781,787
Industrial Thems	1,142,770	1,120,502	1,116,171	1,115,945	1,115,939	1,120,452	1,116,234	1,104,101	1,104,101	1,108,211
Ind., Inst., & Cmdl. Interrup. Thems	109,275	109,621	109,275	109,232	109,232	109,621	109,275	109,275	109,275	109,533
Total Core Thems	11,472,221	11,506,994	11,463,694	11,468,970	11,481,376	11,546,038	11,505,805	11,499,236	11,510,129	11,562,233
Daily Baseoad Thems	12,411	12,220	12,305	12,382	12,395	12,279	12,215	12,218	12,300	12,342
Peak Day Thems	91,892	96,063	96,136	96,170	96,265	94,770	94,864	97,255	97,382	97,318
Thems Per Residential Customer	2,280	2,289	2,280	2,279	2,279	2,289	2,280	2,280	2,280	2,287
Thems Per Commercial Customer	29,545	29,570	29,362	29,291	29,220	29,244	29,062	28,999	28,919	28,964
Thems Per Industrial Customer	118,885	119,368	118,890	118,870	118,870	119,375	118,903	121,029	121,029	121,542
Residential Customers	3,048	3,029	3,014	2,998	2,982	2,968	2,952	2,938	2,923	2,908
Commercial Customers	1,409	1,413	1,418	1,422	1,428	1,433	1,437	1,440	1,444	1,448
Industrial Customers	38	37	37	37	37	37	37	36	36	36
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,496	4,480	4,470	4,458	4,448	4,439	4,427	4,415	4,405	4,393

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima District										
Total Thems Pct. Growth		1.54%	0.79%	1.00%	1.12%	1.45%	0.50%	0.78%	0.75%	1.10%
Residential Thems	16,317,354	16,640,300	16,822,389	17,013,932	17,177,569	17,403,417	17,483,281	17,587,266	17,682,265	17,825,969
Commercial Thems	18,949,716	19,236,431	19,390,966	19,608,772	19,891,361	20,258,694	20,426,496	20,653,673	20,887,273	21,191,573
Industrial Thems	5,150,053	5,164,962	5,153,926	5,168,280	5,181,294	5,203,274	5,171,345	5,176,049	5,176,027	5,209,123
Ind., Inst., & Cmdl. Interrup. Thems	144,075	144,524	144,075	144,075	144,075	144,593	144,075	144,075	144,075	144,634
Total Core Thems	40,561,198	41,186,216	41,511,356	41,925,059	42,394,299	43,009,978	43,225,197	43,561,064	43,889,640	44,371,299
Daily Baseoad Thems	38,338	38,623	39,231	39,808	40,196	40,477	40,527	40,794	41,310	42,032
Peak Day Thems	412,851	426,197	431,559	436,255	441,334	438,730	443,097	454,775	458,385	462,055
Thems Per Residential Customer	5,210	5,232	5,210	5,209	5,209	5,232	5,210	5,210	5,210	5,230
Thems Per Commercial Customer	35,209	35,282	35,051	34,987	34,904	35,001	34,774	34,730	34,634	34,693
Thems Per Industrial Customer	207,670	208,197	207,599	207,566	207,565	208,143	207,525	207,525	207,524	208,009
Residential Customers	25,467	25,869	26,261	26,568	26,828	27,068	27,307	27,474	27,626	27,753
Commercial Customers	5,015	5,078	5,145	5,210	5,279	5,346	5,415	5,483	5,551	5,619
Industrial Customers	140	140	141	141	141	141	141	141	141	141
Interruptible Customers	3	3	3	3	3	3	3	3	3	3
Total Core Customers	30,625	31,090	31,550	31,922	32,251	32,559	32,866	33,100	33,321	33,517

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Central Oregon (Bend) District										
Total Thems Pct. Growth		3.96%	3.00%	3.43%	3.29%	3.89%	2.77%	3.14%	3.09%	3.45%
Residential Thems	35,322,132	37,107,176	38,605,340	40,308,888	42,044,398	44,000,612	45,588,705	47,389,678	49,214,574	51,269,459
Commercial Thems	19,661,401	20,089,561	20,341,308	20,665,703	20,974,717	21,486,796	21,745,303	22,082,038	22,418,776	22,862,488
Industrial Thems	1,896,949	1,945,525	1,978,334	2,051,893	2,093,098	2,170,841	2,207,169	2,262,504	2,323,844	2,386,029
Ind., Inst., & Cmdl. Interrup. Thems	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,076
Total Core Thems	57,177,969	59,441,643	61,222,469	63,323,971	65,409,699	67,957,324	69,838,664	72,031,707	74,254,681	76,817,052
Daily Baseoad Thems	50,524	52,044	54,025	56,069	57,910	59,716	61,353	63,256	65,452	67,649
Peak Day Thems	686,974	717,739	742,993	768,725	794,091	813,221	839,086	873,734	900,653	928,067
Thems Per Residential Customer	7,504	7,530	7,490	7,483	7,476	7,503	7,464	7,458	7,453	7,479
Thems Per Commercial Customer	37,277	37,384	37,198	37,148	37,119	37,253	37,071	37,028	37,001	37,109
Thems Per Industrial Customer	111,397	111,602	110,959	109,659	108,639	108,916	108,286	108,100	107,924	108,180
Residential Customers	47,698	49,875	52,087	54,369	56,689	59,050	61,420	63,826	66,265	68,736
Commercial Customers	6,919	7,045	7,170	7,292						

Appendix B
Demand Forecast
High Scenario

Pendleton District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.35%	0.50%	0.95%	1.23%	1.60%	0.66%	1.11%	1.24%	1.56%
Residential Therms	6,271,106	6,395,779	6,464,829	6,570,528	6,700,041	6,851,044	6,914,510	7,027,468	7,155,293	7,309,642
Commercial Therms	7,074,706	7,149,891	7,163,814	7,205,322	7,267,865	7,364,347	7,411,951	7,478,284	7,553,647	7,651,155
Industrial Therms	651,829	654,181	651,829	651,741	651,741	654,181	651,829	651,829	651,829	654,004
Ind., Inst., & Cmpl. Interrup. Therms	1,191,430	1,194,914	1,191,430	1,191,314	1,191,314	1,194,872	1,191,430	1,191,430	1,191,430	1,194,856
Total Core Therms	15,189,071	15,394,766	15,471,903	15,618,906	15,810,962	16,064,444	16,169,721	16,349,012	16,552,200	16,809,657
Daily Baseload Therms	16,443	16,544	16,735	16,943	17,128	17,280	17,359	17,534	17,801	18,086
Peak Day Therms	175,013	178,216	180,049	182,008	184,638	185,148	187,224	191,735	194,314	197,148
Therms Per Residential Customer	3,114	3,126	3,114	3,113	3,113	3,126	3,114	3,114	3,114	3,125
Therms Per Commercial Customer	25,254	25,305	25,187	25,146	25,105	25,152	25,017	24,985	24,940	24,983
Therms Per Industrial Customer	108,943	109,289	108,943	108,929	108,929	109,289	108,943	108,943	108,943	109,262
Residential Customers	11,021	11,199	11,366	11,555	11,785	12,004	12,165	12,366	12,593	12,819
Commercial Customers	1,869	1,883	1,895	1,908	1,928	1,949	1,972	1,992	2,015	2,037
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	12,918	13,110	13,290	13,493	13,742	13,982	14,166	14,387	14,637	14,884

Eastern Oregon (Ontario) District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.98%	0.18%	0.67%	0.78%	1.17%	0.47%	0.76%	0.78%	1.08%
Residential Therms	4,330,915	4,383,243	4,399,510	4,439,278	4,488,593	4,557,168	4,587,473	4,634,244	4,681,068	4,739,507
Commercial Therms	4,244,983	4,284,859	4,290,787	4,317,905	4,347,070	4,391,950	4,413,333	4,444,333	4,471,954	4,519,105
Industrial Therms	224,818	225,299	224,818	224,818	224,818	225,291	224,818	224,818	230,912	233,813
Ind., Inst., & Cmpl. Interrup. Therms	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,586
Total Core Therms	9,840,088	9,936,387	9,954,488	10,021,163	10,099,643	10,217,385	10,264,997	10,342,767	10,423,317	10,535,392
Daily Baseload Therms	7,571	7,554	7,643	7,738	7,786	7,770	7,773	7,821	7,920	8,018
Peak Day Therms	104,041	106,077	106,752	107,549	108,466	108,098	109,116	111,522	112,417	113,371
Therms Per Residential Customer	1,627	1,634	1,627	1,626	1,626	1,634	1,627	1,627	1,627	1,633
Therms Per Commercial Customer	8,022	8,054	8,020	8,018	8,018	8,051	8,017	8,016	8,016	8,045
Therms Per Industrial Customer	35,501	35,613	35,501	35,501	35,501	35,610	35,501	35,501	35,590	35,401
Residential Customers	7,185	7,240	7,298	7,364	7,445	7,524	7,605	7,681	7,757	7,824
Commercial Customers	1,440	1,448	1,456	1,466	1,476	1,485	1,499	1,510	1,520	1,531
Industrial Customers	22	22	22	22	22	22	22	22	23	24
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,647	8,711	8,777	8,853	8,944	9,033	9,127	9,214	9,301	9,379

Oregon	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		3.12%	2.21%	2.67%	2.65%	3.20%	2.16%	2.54%	2.54%	2.80%
Residential Therms	45,024,152	47,886,197	49,469,678	51,319,695	53,233,031	55,408,824	57,090,689	59,051,389	61,050,935	63,190,008
Commercial Therms	30,981,090	31,524,312	31,795,910	32,188,930	32,589,653	33,243,093	33,570,587	34,004,655	34,444,387	35,032,749
Industrial Therms	2,773,596	2,825,005	2,854,982	2,928,452	2,969,657	3,050,303	3,083,816	3,139,151	3,206,586	3,273,847
Ind., Inst., & Cmpl. Interrup. Therms	2,528,289	2,537,282	2,528,289	2,527,964	2,527,964	2,536,933	2,528,289	2,528,289	2,528,289	2,536,496
Total Core Therms	82,207,127	84,772,796	86,648,859	88,964,040	91,320,304	94,239,154	96,273,382	98,723,485	101,230,197	104,162,101
Daily Baseload Therms	74,538	76,141	78,403	80,750	82,825	84,746	86,485	88,612	91,172	93,752
Peak Day Therms	966,027	1,002,032	1,029,793	1,058,283	1,087,195	1,106,467	1,135,427	1,176,991	1,207,384	1,238,606
Therms Per Residential Customer	12,244	12,289	12,230	12,222	12,216	12,262	12,204	12,199	12,193	12,237
Therms Per Commercial Customer	70,553	70,744	70,405	70,312	70,242	70,457	70,105	70,029	69,956	70,138
Therms Per Industrial Customer	255,841	256,504	255,413	254,090	253,070	253,815	252,729	252,544	252,456	252,843
Residential Customers	65,903	68,314	70,751	73,289	75,919	78,578	81,190	83,874	86,615	89,378
Commercial Customers	10,227	10,375	10,521	10,666	10,810	10,956	11,120	11,277	11,435	11,595
Industrial Customers	143	145	148	152	155	158	161	164	168	173
Interruptible Customers	4	4	4	4	4	4	4	4	4	4
Total Core Customers	76,278	78,838	81,423	84,111	86,888	89,695	92,475	95,319	98,221	101,149

Washington	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		2.13%	1.36%	1.69%	1.75%	2.05%	1.22%	1.59%	1.55%	1.80%
Residential Therms	130,446,110	133,660,155	135,875,436	138,542,433	141,196,775	144,443,241	146,610,080	149,309,153	152,020,645	155,303,645
Commercial Therms	101,285,063	103,254,203	104,457,969	106,063,581	107,876,496	109,919,008	111,075,632	112,670,018	114,209,639	116,139,583
Industrial Therms	11,481,454	11,513,989	11,506,691	11,535,812	11,588,358	11,676,890	11,645,592	11,669,661	11,695,903	11,796,342
Ind., Inst., & Cmpl. Interrup. Therms	2,149,091	2,161,673	2,149,091	2,149,048	2,149,253	2,162,495	2,149,091	2,149,091	2,149,091	2,162,722
Total Core Therms	245,361,718	250,590,019	253,989,187	258,290,874	262,810,883	268,201,633	271,480,396	275,797,923	280,073,280	285,402,294
Daily Baseload Therms	239,382	242,469	242,620	252,804	257,149	260,191	263,256	267,353	272,551	277,916
Peak Day Therms	2,496,644	2,577,199	2,626,494	2,676,004	2,726,703	2,746,728	2,796,350	2,881,919	2,931,506	2,984,736
Therms Per Residential Customer	20,324	20,407	20,321	20,256	20,206	20,286	20,206	20,206	20,205	20,274
Therms Per Commercial Customer	203,813	203,141	201,831	199,800	199,659	200,186	184,965	184,875	184,655	185,059
Therms Per Industrial Customer	799,313	802,047	799,509	799,437	800,824	803,362	800,726	802,852	802,851	805,405
Residential Customers	191,176	195,275	199,401	203,469	207,495	211,560	215,678	219,771	223,885	228,030
Commercial Customers	26,555	26,983	27,428	27,875	28,320	28,752	29,191	29,626	30,069	30,512
Industrial Customers	458	460	462	464	467	471	472	473	475	479
Interruptible Customers	8	8	8	8	8	8	8	8	8	8
Total Core Customers	218,197	222,726	227,299	231,816	236,289	240,791	245,350	249,879	254,438	259,029

System	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		2.38%	1.57%	1.94%	1.98%	2.35%	1.47%	1.84%	1.81%	2.17%
Residential Therms	176,370,262	181,546,353	185,345,114	189,861,128	194,429,807	199,852,065	203,700,769	208,360,542	213,071,580	218,622,653
Commercial Therms	132,266,153	134,778,514	136,253,878	138,252,511	140,466,149	143,162,101	144,646,220	146,674,673	148,654,026	151,172,332
Industrial Therms	14,255,050	14,338,994	14,361,673	14,464,264	14,558,015	14,727,193	14,729,408	14,808,812	14,900,490	15,070,189
Ind., Inst., & Cmpl. Interrup. Therms	4,677,381	4,698,954	4,677,381	4,677,012	4,677,217	4,699,427	4,677,381	4,677,381	4,677,381	4,699,220
Total Core Therms	327,568,846	335,362,815	340,638,046	347,254,915	354,131,187	362,440,787	367,753,778	374,521,408	381,303,477	389,564,394
Daily Baseload Therms	313,920	318,610	326,023	333,554	339,973	344,937	349,742	355,965	363,723	371,669
Peak Day Therms	3,462,671	3,579,231	3,656,287	3,734,287	3,813,898	3,853,196	3,931,777	4,058,910	4,138,890	4,223,343
Therms Per Residential Customer	32,668	32,697	32,552	32,478	32,422	32,548	32,411	32,404	32,398	32,511
Therms Per Commercial Customer	274,366	273,885	272,237	270,113	269,901	270,643	265,070	254,904	254,611	255,197
Therms Per Industrial Customer	1,055,154	1,058,551	1,054,922	1,053,527	1,053,894	1,057,177	1,053,456	1,055,397	1,055,307	1,058,248
Residential Customers	257,079	263,589	270,152	276,758	283,414	290,138	296,868			

Appendix B
Demand Forecast
High Scenario

Athena	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.02%	1.23%	0.98%	1.78%	0.58%	1.47%	0.93%	1.80%	0.53%	1.26%
Residential Therms	359,954	364,736	369,385	375,490	379,028	383,971	388,881	395,222	398,636	403,583
Commercial Therms	151,441	153,123	153,686	157,128	156,779	159,899	160,194	163,988	163,625	165,926
Industrial Therms	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672	13,672
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	525,066	531,531	536,743	546,290	549,478	557,542	562,748	572,883	575,933	583,181
Daily Baseload Therms	340	344	346	352	357	362	366	369	372	378
Peak Day Therms	10,894	10,950	11,086	11,357	11,549	11,689	11,895	11,896	12,228	12,370
Therms Per Residential Customer	581	581	581	583	581	581	581	583	581	581
Therms Per Commercial Customer	2,169	2,169	2,169	2,178	2,169	2,169	2,169	2,178	2,169	2,169
Therms Per Industrial Customer	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406	16,406
Residential Customers	620	628	636	644	652	661	669	678	686	695
Commercial Customers	70	71	71	72	72	74	74	75	75	76
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	690	699	707	717	725	735	744	754	762	772

Baker	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.30%	0.73%	0.74%	1.16%	0.32%	0.75%	0.75%	1.17%	0.32%	0.74%
Residential Therms	2,414,213	2,439,584	2,465,463	2,502,037	2,517,631	2,544,033	2,570,900	2,608,534	2,624,426	2,651,971
Commercial Therms	1,637,212	1,641,969	1,646,730	1,658,121	1,656,419	1,661,592	1,666,620	1,678,910	1,676,993	1,681,789
Industrial Therms	53,911	53,911	53,911	54,116	53,911	53,911	53,911	54,165	53,911	53,911
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,105,336	4,135,464	4,166,105	4,214,274	4,227,961	4,299,536	4,291,431	4,341,608	4,355,330	4,387,671
Daily Baseload Therms	2,270	2,265	2,259	2,290	2,323	2,337	2,351	2,325	2,338	2,372
Peak Day Therms	46,499	46,249	46,600	47,548	47,913	48,279	48,642	48,387	49,379	49,755
Therms Per Residential Customer	639	639	639	642	639	639	639	642	639	639
Therms Per Commercial Customer	3,129	3,129	3,129	3,141	3,128	3,128	3,129	3,141	3,129	3,129
Therms Per Industrial Customer	26,956	26,956	26,956	27,058	26,956	26,956	26,956	27,082	26,956	28,753
Residential Customers	3,777	3,817	3,857	3,898	3,939	3,980	4,022	4,064	4,106	4,149
Commercial Customers	523	525	526	528	530	531	533	534	536	538
Industrial Customers	2	2	2	2	2	2	2	2	2	2
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,302	4,343	4,385	4,428	4,471	4,514	4,557	4,600	4,644	4,688

Umatilla	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.46%	0.99%	0.98%	1.12%	0.62%	0.89%	0.84%	1.30%	0.55%	0.83%
Residential Therms	487,103	495,904	504,662	516,611	522,516	531,378	540,544	551,736	558,914	568,076
Commercial Therms	850,107	859,180	868,310	876,260	882,766	890,719	897,398	909,242	914,507	921,610
Industrial Therms	129,902	129,902	129,902	130,295	129,883	129,883	129,902	130,295	129,902	129,902
Ind., Inst., & Cmcl. Interrup. Therms	346,727	346,727	346,727	348,138	346,727	346,727	346,727	348,093	346,727	346,727
Total Core Therms	1,813,839	1,831,712	1,849,601	1,870,304	1,881,892	1,898,707	1,914,570	1,939,364	1,950,050	1,966,315
Daily Baseload Therms	2,546	2,567	2,589	2,616	2,641	2,663	2,683	2,710	2,733	2,755
Peak Day Therms	13,744	13,855	14,031	14,119	14,296	14,463	14,621	14,477	14,719	14,881
Therms Per Residential Customer	353	353	353	354	353	353	353	354	353	353
Therms Per Commercial Customer	4,462	4,424	4,387	4,380	4,331	4,302	4,278	4,263	4,220	4,196
Therms Per Industrial Customer	18,557	18,557	18,557	18,614	18,555	18,555	18,557	18,614	18,557	18,557
Residential Customers	1,380	1,405	1,430	1,455	1,480	1,505	1,531	1,557	1,583	1,609
Commercial Customers	191	194	198	200	204	207	210	213	217	220
Industrial Customers	7	7	7	7	7	7	7	7	7	7
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,578	1,607	1,635	1,663	1,692	1,720	1,749	1,778	1,808	1,837

Chemult	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.40%	0.00%	0.00%	0.39%	-0.28%	0.00%	0.00%	0.39%	-0.39%	0.00%
Residential Therms	10,312	10,312	10,312	10,355	10,365	10,365	10,365	10,408	10,365	10,365
Commercial Therms	36,641	36,641	36,641	36,783	36,642	36,642	36,641	36,783	36,641	36,641
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	46,953	46,953	46,953	47,138	47,007	47,007	47,006	47,191	47,006	47,006
Daily Baseload Therms	57	57	57	57	57	57	57	57	57	57
Peak Day Therms	1,272	1,294	1,314	1,313	1,336	1,345	1,370	1,391	1,501	5,112
Therms Per Residential Customer	424	424	424	426	424	424	424	426	424	424
Therms Per Commercial Customer	1,832	1,832	1,832	1,839	1,832	1,832	1,832	1,839	1,832	1,832
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	24	24	24	24	24	24	24	24	24	24
Commercial Customers	20	20	20	20	20	20	20	20	20	20
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	44	44	44	44	44	44	44	44	44	44

Gilchrist	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.31%	0.06%	0.18%	0.53%	-0.41%	0.03%	0.19%	0.53%	-0.38%	0.03%
Residential Therms	87,060	87,176	87,526	88,079	87,755	87,814	88,169	88,725	88,462	88,521
Commercial Therms	103,560	103,560	103,560	104,024	103,556	103,556	103,560	104,024	103,560	103,560
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	190,620	190,737	191,087	192,103	191,311	191,370	191,730	192,750	192,022	192,081
Daily Baseload Therms	125	125	125	126	126	126	126	126	126	126
Peak Day Therms	2,738	2,817	2,821	2,862	3,008	3,023	3,027	3,027	3,181	3,522
Therms Per Residential Customer	465	465	465	467	465	465	465	467	465	465
Therms Per Commercial Customer	2,725	2,725	2,725	2,737	2,725	2,725	2,725	2,737	2,725	2,725
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	187	187	188	189	189	189	190	190	190	190
Commercial Customers	38	38	38	38	38	38	38	38	38	38
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	225	225	226	227	227	227	228	228	228	228

**Appendix B
Demand Forecast
High Scenario**

Hermiston	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.79%	1.05%	1.06%	1.41%	0.64%	1.03%	1.04%	1.55%	2.35%	0.98%
Residential Therms	2,807,877	2,844,994	2,882,192	2,930,946	2,966,703	2,994,621	3,033,328	3,083,308	3,109,910	3,148,567
Commercial Therms	3,136,021	3,164,405	3,193,803	3,233,521	3,250,065	3,279,280	3,308,659	3,360,172	3,492,937	3,522,073
Industrial Therms	285,101	285,101	285,101	286,073	285,070	285,070	285,101	286,073	285,101	285,101
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	6,228,999	6,294,501	6,361,096	6,450,540	6,491,837	6,558,971	6,627,088	6,729,553	6,887,948	6,955,742
Daily Baseload Therms	6,913	6,954	6,997	7,100	7,204	7,278	7,352	7,364	7,477	7,585
Peak Day Therms	77,696	77,622	78,477	80,021	80,882	81,754	82,627	82,665	84,520	85,402
Therms Per Residential Customer	624	624	624	627	624	624	624	627	624	624
Therms Per Commercial Customer	3,946	3,942	3,938	3,948	3,929	3,925	3,922	3,945	4,056	4,051
Therms Per Industrial Customer	35,638	35,638	35,638	35,759	35,634	35,634	35,638	35,759	35,638	35,638
Residential Customers	4,499	4,558	4,618	4,678	4,738	4,798	4,860	4,921	4,982	5,044
Commercial Customers	795	803	811	819	827	835	844	852	861	869
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	5,301	5,369	5,437	5,505	5,573	5,642	5,711	5,781	5,852	5,922

Huntington	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.38%	1.28%	1.27%	1.73%	0.49%	0.97%	0.70%	1.15%	0.22%	0.68%
Residential Therms	58,588	59,232	59,878	60,806	61,167	61,820	62,486	63,435	63,803	64,466
Commercial Therms	31,443	31,955	32,471	33,141	33,244	33,505	33,510	33,605	33,510	33,510
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	90,031	91,187	92,348	93,947	94,411	95,326	95,996	97,101	97,314	97,976
Daily Baseload Therms	14	14	13	14	15	15	15	14	14	14
Peak Day Therms	7,116	7,071	7,081	7,145	7,155	7,165	7,174	7,323	9,556	964
Therms Per Residential Customer	411	411	411	413	411	411	411	413	411	411
Therms Per Commercial Customer	2,029	2,029	2,029	2,038	2,028	2,028	2,029	2,038	2,029	2,029
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	143	144	146	147	149	150	152	154	155	157
Commercial Customers	16	16	16	16	16	17	17	17	17	17
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	158	160	162	164	165	167	169	170	172	173

La Pine	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.70%	2.52%	1.92%	2.97%	1.66%	2.12%	2.31%	2.35%	1.76%	1.89%
Residential Therms	216,122	224,018	232,010	241,283	248,262	256,520	265,169	274,855	282,251	291,076
Commercial Therms	434,649	443,161	448,005	458,932	463,553	470,354	478,525	486,332	492,316	498,100
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	650,771	667,179	680,015	700,215	711,816	726,874	743,695	761,187	774,567	789,176
Daily Baseload Therms	678	686	690	716	741	756	773	768	785	810
Peak Day Therms	3,763	3,759	3,850	3,908	4,003	4,101	4,201	4,236	4,455	4,559
Therms Per Residential Customer	617	617	617	619	616	616	617	619	617	617
Therms Per Commercial Customer	2,785	2,785	2,785	2,797	2,784	2,784	2,785	2,797	2,785	2,785
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	350	363	376	390	403	416	430	444	458	472
Commercial Customers	156	159	161	164	167	169	172	174	177	179
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	507	522	537	554	569	585	602	618	634	651

Madras	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.49%	0.97%	0.94%	1.40%	0.44%	0.94%	0.93%	1.40%	0.44%	0.93%
Residential Therms	850,948	867,885	884,702	905,907	918,575	935,943	953,503	975,374	988,546	1,006,104
Commercial Therms	1,313,980	1,326,978	1,339,203	1,357,293	1,363,410	1,376,152	1,388,468	1,407,336	1,413,327	1,426,643
Industrial Therms	608,083	608,083	608,083	611,090	607,879	607,879	608,083	611,090	608,083	608,083
Ind., Inst., & Cmdl. Interrup. Therms	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Therms	3,070,498	3,100,432	3,129,474	3,173,392	3,187,351	3,217,460	3,247,540	3,292,927	3,307,442	3,338,316
Daily Baseload Therms	2,848	2,853	2,857	2,905	2,959	2,989	3,017	2,995	3,023	3,080
Peak Day Therms	34,138	33,719	34,053	35,168	35,512	35,866	36,210	35,755	36,918	37,289
Therms Per Residential Customer	568	568	568	570	568	568	568	570	568	568
Therms Per Commercial Customer	3,128	3,128	3,128	3,141	3,127	3,127	3,128	3,141	3,128	3,128
Therms Per Industrial Customer	35,770	35,770	35,770	35,946	35,758	35,758	35,770	35,946	35,770	35,770
Residential Customers	1,499	1,528	1,558	1,588	1,618	1,649	1,679	1,710	1,741	1,772
Commercial Customers	420	424	428	432	436	440	444	448	452	456
Industrial Customers	17	17	17	17	17	17	17	17	17	17
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,937	1,971	2,004	2,038	2,072	2,107	2,141	2,176	2,211	2,246

Milton-Freewater	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.67%	1.23%	1.11%	1.24%	0.43%	1.25%	1.02%	1.16%	0.62%	1.19%
Residential Therms	120,896	122,333	124,008	126,083	127,147	128,843	130,429	132,675	133,857	135,463
Commercial Therms	325,638	330,123	333,877	337,767	338,998	343,540	347,130	350,717	352,867	357,475
Industrial Therms	34,468	34,468	34,468	34,592	34,592	34,454	34,468	34,592	34,468	34,468
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	481,002	486,925	492,353	498,443	500,599	506,837	512,027	517,984	521,192	527,406
Daily Baseload Therms	506	505	502	514	525	531	536	525	529	543
Peak Day Therms	7,497	7,359	7,430	7,674	7,733	7,816	7,882	7,610	7,909	7,991
Therms Per Residential Customer	433	433	433	435	433	433	433	435	433	433
Therms Per Commercial Customer	2,893	2,893	2,893	2,903	2,891	2,891	2,893	2,903	2,893	2,893
Therms Per Industrial Customer	6,894	6,894	6,894	6,918	6,891	6,891	6,894	6,918	6,894	6,894
Residential Customers	279	282	286	290	294	298	301	305	309	313
Commercial Customers	113	114	115	116	117	119	120	121	122	124
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	397	402	407	411	416	421	426	431	436	441

Appendix B
Demand Forecast
High Scenario

Mission Tap	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.05%	0.92%	2.09%	0.73%	0.35%	2.26%	0.32%	0.88%	2.03%	0.33%
Residential Thems	141,885	143,678	145,552	148,077	149,396	151,439	153,273	155,714	157,182	159,113
Commercial Thems	389,967	393,078	402,437	403,902	404,533	415,031	415,031	417,604	427,746	427,746
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	531,851	536,757	547,989	551,979	553,929	566,471	568,304	573,319	584,929	586,859
Daily Baseload Thems	573	578	591	593	597	610	612	615	630	632
Peak Day Thems	2,104	2,113	2,137	2,176	2,200	2,229	2,249	2,259	2,299	2,026
Thems Per Residential Customer	541	541	541	543	541	541	541	543	541	541
Thems Per Commercial Customer	8,030	8,030	8,030	8,059	8,030	8,030	8,030	8,059	8,030	8,030
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	262	266	269	273	276	280	284	287	291	294
Commercial Customers	49	49	50	50	50	52	52	52	53	53
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	311	315	319	323	327	332	335	339	344	348

Nyssa-Ontario	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.18%	0.56%	0.55%	0.96%	0.12%	0.55%	0.56%	0.96%	0.13%	0.54%
Residential Thems	2,287,723	2,302,931	2,317,806	2,342,906	2,347,176	2,362,212	2,377,606	2,403,089	2,407,705	2,422,801
Commercial Thems	2,658,477	2,678,803	2,699,177	2,931,976	2,939,553	2,960,069	2,981,163	3,014,539	3,022,455	3,043,175
Industrial Thems	179,452	179,452	179,452	179,733	179,452	179,452	179,452	179,818	179,452	179,452
Ind., Inst., & Cmcl. Interrup. Thems	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Thems	6,365,025	6,400,558	6,435,808	6,497,601	6,505,343	6,540,895	6,577,594	6,640,432	6,648,984	6,684,801
Daily Baseload Thems	5,773	5,767	5,760	5,826	5,889	5,918	5,946	5,914	5,941	6,006
Peak Day Thems	60,489	60,006	60,412	61,586	61,990	62,407	62,823	62,564	63,910	64,330
Thems Per Residential Customer	576	576	576	579	576	576	576	579	576	576
Thems Per Commercial Customer	2,857	2,856	2,855	2,866	2,854	2,853	2,853	2,864	2,852	2,851
Thems Per Industrial Customer	8,343	8,343	8,343	8,356	8,343	8,343	8,343	8,360	8,343	8,343
Residential Customers	3,968	3,995	4,021	4,047	4,072	4,098	4,124	4,151	4,176	4,203
Commercial Customers	1,001	1,008	1,015	1,023	1,030	1,038	1,045	1,053	1,060	1,067
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,991	5,025	5,058	5,092	5,125	5,158	5,192	5,226	5,259	5,293

Pendleton	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.74%	0.99%	0.99%	1.36%	0.58%	0.96%	0.99%	1.35%	0.56%	0.94%
Residential Thems	3,479,467	3,525,476	3,571,534	3,632,346	3,664,180	3,710,983	3,758,758	3,821,353	3,853,923	3,901,684
Commercial Thems	2,835,779	2,862,208	2,889,544	2,927,413	2,943,280	2,970,060	2,997,735	3,036,792	3,051,745	3,078,878
Industrial Thems	188,686	188,686	188,686	189,548	188,662	188,662	188,686	188,686	188,686	188,686
Ind., Inst., & Cmcl. Interrup. Thems	844,704	844,704	844,704	847,250	844,588	844,588	844,704	847,250	844,704	844,704
Total Core Thems	7,348,636	7,421,074	7,494,468	7,596,557	7,640,708	7,714,292	7,789,883	7,894,944	7,939,058	8,013,951
Daily Baseload Thems	7,382	7,415	7,449	7,543	7,639	7,703	7,769	7,771	7,835	7,932
Peak Day Thems	87,571	87,713	88,697	90,517	91,525	92,522	93,533	93,704	96,315	97,330
Thems Per Residential Customer	582	582	582	584	582	582	582	584	582	582
Thems Per Commercial Customer	3,375	3,372	3,370	3,381	3,365	3,363	3,361	3,372	3,357	3,355
Thems Per Industrial Customer	31,448	31,448	31,448	31,591	31,444	31,444	31,448	31,591	31,448	31,448
Residential Customers	5,983	6,062	6,141	6,220	6,301	6,381	6,463	6,544	6,626	6,709
Commercial Customers	840	849	857	866	875	883	892	901	909	918
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	6,830	6,917	7,005	7,093	7,183	7,272	7,362	7,452	7,542	7,633

Prineville	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	1.63%	2.00%	2.31%	2.38%	1.45%	2.20%	2.37%	4.60%	1.79%	1.75%
Residential Thems	1,737,270	1,783,363	1,829,785	1,884,955	1,922,920	1,970,420	2,018,943	2,076,598	2,115,839	2,164,890
Commercial Thems	1,702,682	1,731,253	1,759,671	1,796,110	1,816,366	1,845,936	1,895,264	2,026,835	2,059,366	2,089,297
Industrial Thems	296,283	296,283	309,358	310,635	310,391	322,556	322,626	326,464	336,112	336,110
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	3,736,235	3,810,900	3,898,814	3,991,701	4,049,678	4,138,912	4,236,833	4,431,898	4,511,318	4,590,297
Daily Baseload Thems	2,735	2,744	2,769	2,861	2,956	3,025	3,089	3,115	3,186	3,286
Peak Day Thems	49,497	49,188	50,325	52,733	53,801	54,801	55,862	55,467	58,160	59,253
Thems Per Residential Customer	501	501	501	504	501	501	501	504	501	501
Thems Per Commercial Customer	2,677	2,672	2,668	2,676	2,659	2,655	2,680	2,813	2,810	2,803
Thems Per Industrial Customer	8,251	8,251	8,251	8,285	8,249	8,249	8,251	8,285	8,251	8,251
Residential Customers	3,464	3,556	3,649	3,742	3,836	3,931	4,026	4,122	4,219	4,317
Commercial Customers	636	648	659	671	683	695	707	720	733	745
Industrial Customers	36	36	37	37	38	39	39	40	41	41
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,136	4,240	4,346	4,450	4,557	4,665	4,773	4,882	4,993	5,103

Redmond	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	2.82%	3.20%	2.93%	3.42%	2.62%	3.00%	2.85%	3.17%	2.34%	2.83%
Residential Thems	7,095,243	7,354,564	7,617,591	7,919,153	8,151,318	8,423,783	8,701,180	9,020,063	9,261,666	9,546,430
Commercial Thems	3,610,210	3,670,034	3,726,518	3,800,265	3,839,293	3,897,314	3,959,114	4,035,075	4,074,943	4,133,114
Industrial Thems	1,002,727	1,058,434	1,092,455	1,142,514	1,207,984	1,273,120	1,321,314	1,369,061	1,425,629	1,500,662
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	11,708,180	12,083,031	12,436,563	12,861,932	13,198,594	13,594,216	13,981,607	14,424,199	14,762,239	15,180,206
Daily Baseload Thems	9,193	9,440	9,650	10,018	10,432	10,771	11,086	11,233	11,569	12,012
Peak Day Thems	149,594	152,081	156,485	163,224	168,020	172,845	177,639	180,013	187,443	192,499
Thems Per Residential Customer	608	608	608	610	608	608	608	610	608	608
Thems Per Commercial Customer	2,536	2,536	2,536	2,546	2,533	2,533	2,533	2,544	2,532	2,531
Thems Per Industrial Customer	37,740	37,740	37,740	37,880	37,740	37,740	37,740	37,880	37,740	37,740
Residential Customers	11,674	12,101	12,533	12,972	13,414	13,863	14,316	14,775	15,238	15,707
Commercial Customers	1,423	1,447	1,470	1,493	1,515	1,539	1,563	1,586	1,609	1,633
Industrial Customers	27	28	29	30	32	34	35	36	38	40
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	13,124	13,576	14,032	14,494	14,962	15,435	15,914	16,397	16,886	17,379

**Appendix B
Demand Forecast
High Scenario**

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Stanfield										
Total Therms Pct. Growth	1.61%	1.19%	0.91%	1.47%	1.35%	1.07%	0.95%	1.36%	1.32%	1.06%
Residential Therms	176,344	178,598	180,861	184,054	185,725	188,018	190,508	193,592	195,330	197,725
Commercial Therms	69,950	70,633	70,633	71,137	72,919	73,380	73,380	73,897	75,695	76,162
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	246,294	249,231	251,494	255,191	258,644	261,398	263,888	267,489	271,025	273,887
Daily BaseLoad Therms	204	206	208	210	214	216	218	220	224	226
Peak Day Therms	9,536	10,091	10,194	10,353	10,384	10,414	10,446	10,351	10,658	10,915
Therms Per Residential Customer	459	459	459	461	459	459	459	461	459	459
Therms Per Commercial Customer	1,755	1,755	1,755	1,762	1,755	1,755	1,755	1,762	1,755	1,755
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	384	389	394	399	405	410	415	420	426	431
Commercial Customers	40	40	40	40	42	42	42	42	43	43
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	424	429	434	440	446	451	457	462	469	474

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Stearns (Sunriver)										
Total Therms Pct. Growth	2.89%	3.36%	3.35%	3.55%	2.66%	3.02%	2.96%	3.32%	2.55%	2.87%
Residential Therms	5,892,253	6,108,516	6,327,510	6,576,854	6,773,797	7,000,698	7,230,003	7,493,302	7,697,164	7,934,456
Commercial Therms	1,275,253	1,295,113	1,316,947	1,341,539	1,357,297	1,378,209	1,399,759	1,424,397	1,440,162	1,462,800
Industrial Therms	65,751	72,645	82,189	82,434	82,189	82,189	82,189	83,446	83,555	98,626
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	7,233,256	7,476,274	7,726,645	8,000,827	8,213,283	8,461,095	8,711,951	9,001,145	9,230,901	9,495,883
Daily BaseLoad Therms	7,903	8,161	8,462	8,698	8,936	9,192	9,452	9,742	10,006	10,296
Peak Day Therms	82,991	86,216	89,075	91,512	94,433	97,373	100,348	103,840	106,399	109,481
Therms Per Residential Customer	1,003	1,003	1,003	1,007	1,003	1,003	1,003	1,007	1,003	1,003
Therms Per Commercial Customer	4,666	4,666	4,666	4,662	4,667	4,666	4,666	4,662	4,666	4,666
Therms Per Industrial Customer	14,439	13,798	13,029	13,068	13,029	13,029	13,029	12,906	12,344	11,958
Residential Customers	5,874	6,090	6,308	6,529	6,752	6,979	7,208	7,439	7,673	7,910
Commercial Customers	273	278	282	287	291	295	300	304	309	313
Industrial Customers	5	5	6	6	6	6	6	6	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	6,152	6,372	6,596	6,822	7,050	7,280	7,514	7,750	7,990	8,232

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Pronghorn										
Total Therms Pct. Growth	1.62%	2.00%	2.15%	3.91%	1.56%	1.89%	2.00%	3.53%	1.63%	1.84%
Residential Therms	551,579	568,365	585,547	605,003	620,241	637,696	655,253	673,388	691,430	710,006
Commercial Therms	289,098	289,098	290,344	305,150	304,098	304,098	305,338	319,154	319,311	319,311
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	840,676	857,463	875,891	910,153	924,339	941,794	960,591	994,542	1,010,741	1,029,317
Daily BaseLoad Therms	959	980	1,003	1,036	1,052	1,071	1,092	1,133	1,155	1,172
Peak Day Therms	12,309	12,428	12,619	12,870	13,063	13,255	13,449	13,586	13,846	14,051
Therms Per Residential Customer	1,601	1,601	1,601	1,608	1,602	1,602	1,601	1,608	1,601	1,601
Therms Per Commercial Customer	9,269	9,269	9,269	9,302	9,270	9,270	9,269	9,302	9,269	9,269
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	344	355	366	376	387	398	409	420	432	443
Commercial Customers	31	31	31	33	33	33	33	34	34	34
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	376	386	397	409	420	431	442	454	466	478

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Bend Loop										
Total Therms Pct. Growth	0.94%	1.85%	1.54%	2.48%	0.81%	1.74%	1.44%	2.38%	0.71%	1.64%
Residential Therms	203,051	208,024	212,997	219,497	222,966	227,939	232,944	239,583	242,913	247,886
Commercial Therms	141,381	142,783	143,206	145,543	145,033	146,471	146,858	149,259	148,684	150,123
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	344,432	350,807	356,204	365,040	367,999	374,410	379,802	388,842	391,597	398,009
Daily BaseLoad Therms	61	62	62	60	61	61	62	72	73	74
Peak Day Therms	5,332	5,374	5,431	4,876	4,920	4,952	4,996	5,816	5,876	5,920
Therms Per Residential Customer	427	422	417	415	408	404	399	398	391	387
Therms Per Commercial Customer	2,771	2,728	2,722	2,698	2,675	2,629	2,630	2,603	2,586	2,544
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	476	493	511	529	547	565	584	602	621	640
Commercial Customers	51	52	53	54	54	56	56	57	57	59
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	527	545	563	582	601	621	639	660	679	699

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
McCleary (Aberdeen/Hoquiam)										
Total Therms Pct. Growth	2.71%	3.07%	3.01%	3.39%	2.46%	2.85%	2.81%	3.18%	2.28%	2.82%
Residential Therms	36,116,298	37,441,757	38,783,951	40,309,769	41,513,602	42,904,591	44,316,027	45,929,429	47,177,615	48,631,971
Commercial Therms	14,129,028	14,343,882	14,559,518	14,839,834	14,992,746	15,211,341	15,431,769	15,718,025	15,873,083	16,197,718
Industrial Therms	473,916	488,392	503,401	522,584	536,452	553,175	569,903	590,747	606,916	623,681
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	50,719,242	52,274,031	53,846,870	55,672,187	57,042,800	58,669,107	60,317,699	62,238,201	63,657,613	65,453,370
Daily BaseLoad Therms	44,885	46,077	47,296	48,817	50,380	51,789	53,213	54,285	55,727	57,557
Peak Day Therms	604,717	618,520	637,372	661,245	680,660	700,336	720,163	734,701	760,934	781,376
Therms Per Residential Customer	769	769	769	772	769	769	769	772	769	769
Therms Per Commercial Customer	2,790	2,788	2,786	2,796	2,781	2,778	2,778	2,788	2,774	2,789
Therms Per Industrial Customer	11,385	11,216	11,030	10,905	10,677	10,549	10,394	10,260	10,081	9,947
Residential Customers	46,962	48,686	50,431	52,197	53,985	55,794	57,624	59,474	61,345	63,236
Commercial Customers	5,064	5,145	5,226	5,308	5,390	5,473	5,555	5,638	5,722	5,807
Industrial Customers	42	44	46	48	50	52	55	58	60	63
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	52,068	53,874	55,703	57,553	59,426	61,319	63,234	65,170	67,127	69,106

Appendix B
Demand Forecast
High Scenario

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Acme										
Total Therms Pct. Growth	-0.31%	0.02%	0.00%	0.40%	-0.38%	0.02%	0.04%	0.39%	-0.35%	0.03%
Residential Therms	2,551,502	2,552,852	2,554,205	2,565,450	2,556,434	2,557,787	2,560,159	2,571,146	2,562,598	2,564,047
Commercial Therms	2,980,574	2,980,146	2,978,866	2,989,531	2,977,927	2,977,502	2,977,585	2,987,816	2,977,160	2,977,161
Industrial Therms	137,594	137,594	137,594	138,262	137,526	137,526	137,594	138,262	137,594	137,594
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,669,669	5,670,591	5,670,664	5,693,243	5,671,886	5,672,815	5,673,337	5,697,224	5,677,352	5,678,801
Daily Baseload Therms	5,642	5,587	5,530	5,588	5,645	5,645	5,646	5,534	5,535	5,592
Peak Day Therms	50,442	48,908	48,910	50,471	50,485	50,495	50,504	48,968	50,525	50,540
Therms Per Residential Customer	721	721	721	724	721	721	721	724	721	721
Therms Per Commercial Customer	4,035	4,035	4,035	4,060	4,034	4,034	4,036	4,060	4,036	4,036
Therms Per Industrial Customer	9,828	9,828	9,828	9,876	9,823	9,823	9,828	9,876	9,828	9,828
Residential Customers	3,540	3,542	3,543	3,546	3,548	3,549	3,552	3,554	3,555	3,557
Commercial Customers	739	739	738	738	738	738	738	738	738	738
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,292	4,294	4,296	4,298	4,300	4,301	4,303	4,305	4,307	4,309

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Arlington										
Total Therms Pct. Growth	0.37%	0.49%	1.19%	1.15%	0.68%	2.53%	0.85%	0.91%	0.46%	0.91%
Residential Therms	59,459	59,965	61,181	62,228	62,497	63,628	64,573	65,438	66,134	67,182
Commercial Therms	42,707	42,707	42,707	42,858	47,502	49,159	49,169	49,343	49,169	49,169
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	102,166	102,671	103,888	105,086	109,999	112,787	113,742	114,780	115,303	116,350
Daily Baseload Therms	85	84	84	86	91	94	94	93	94	96
Peak Day Therms	4,068	3,848	3,860	4,094	4,099	4,110	4,120	3,900	4,136	683
Therms Per Residential Customer	766	766	766	769	766	766	766	769	766	766
Therms Per Commercial Customer	4,061	4,061	4,061	4,075	4,060	4,061	4,061	4,075	4,061	4,061
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	78	78	80	81	82	83	84	85	86	88
Commercial Customers	11	11	11	11	12	12	12	12	12	12
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	88	89	90	91	93	95	96	97	98	100

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Bremerton (Shelton)										
Total Therms Pct. Growth	1.22%	1.61%	1.56%	1.89%	1.22%	1.46%	1.61%	1.82%	1.16%	1.44%
Residential Therms	4,049,705	4,095,507	4,141,214	4,202,330	4,232,374	4,278,570	4,325,896	4,388,458	4,419,258	4,466,179
Commercial Therms	2,830,346	2,892,426	2,955,441	3,029,931	3,083,773	3,147,133	3,212,963	3,290,649	3,343,894	3,410,518
Industrial Therms	328,259	336,197	341,912	346,766	355,648	357,981	369,759	373,625	382,756	386,337
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	7,208,309	7,324,131	7,438,567	7,579,026	7,671,794	7,783,683	7,908,618	8,052,732	8,145,905	8,263,034
Daily Baseload Therms	7,771	7,856	7,939	8,107	8,282	8,408	8,541	8,579	8,710	8,886
Peak Day Therms	64,155	63,936	64,920	67,168	68,194	69,205	70,237	69,946	72,307	73,357
Therms Per Residential Customer	749	749	749	752	749	749	749	752	749	749
Therms Per Commercial Customer	3,528	3,528	3,528	3,540	3,527	3,527	3,528	3,540	3,528	3,528
Therms Per Industrial Customer	8,567	8,567	8,567	8,601	8,564	8,564	8,567	8,601	8,567	8,567
Residential Customers	5,408	5,469	5,530	5,591	5,653	5,714	5,777	5,839	5,901	5,964
Commercial Customers	802	820	838	856	874	892	911	929	948	967
Industrial Customers	38	39	40	40	42	42	43	43	45	45
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	6,248	6,328	6,408	6,487	6,568	6,648	6,730	6,812	6,894	6,976

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Castle Rock										
Total Therms Pct. Growth	1.05%	1.40%	1.39%	1.75%	0.96%	1.35%	1.57%	1.71%	0.93%	1.30%
Residential Therms	27,060,924	27,481,853	27,904,837	28,435,150	28,754,797	29,184,540	29,617,879	30,163,518	30,487,490	30,926,034
Commercial Therms	14,183,332	14,357,142	14,532,683	14,762,795	14,882,810	15,087,024	15,366,650	15,600,571	15,725,780	15,906,248
Industrial Therms	426,193	426,193	426,193	428,480	420,929	393,409	393,409	395,518	393,409	393,409
Ind., Inst., & Cmdl. Interrup. Therms	841,393	841,393	841,393	845,652	841,393	841,393	841,393	845,648	841,393	841,393
Total Core Therms	42,511,843	43,106,582	43,705,106	44,472,078	44,899,929	45,506,366	46,219,331	47,009,256	47,448,072	48,067,084
Daily Baseload Therms	39,876	40,335	40,796	41,432	42,076	42,758	43,319	43,692	44,256	44,919
Peak Day Therms	401,334	404,420	411,249	419,253	424,903	430,914	437,548	441,950	451,129	457,111
Therms Per Residential Customer	697	697	697	700	697	697	697	700	697	697
Therms Per Commercial Customer	3,971	3,966	3,961	3,971	3,951	3,953	3,973	3,984	3,964	3,959
Therms Per Industrial Customer	34,061	34,061	34,061	34,244	33,967	35,529	35,529	35,719	35,529	35,529
Residential Customers	38,813	39,417	40,024	40,634	41,248	41,865	42,484	43,107	43,733	44,362
Commercial Customers	3,572	3,620	3,669	3,717	3,767	3,816	3,867	3,917	3,967	4,018
Industrial Customers	13	13	13	13	12	11	11	11	11	11
Interruptible Customers	2	2	2	2	2	1	1	1	1	1
Total Core Customers	42,399	43,052	43,708	44,366	45,028	45,693	46,363	47,035	47,712	48,392

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Walla Walla										
Total Therms Pct. Growth	1.53%	1.31%	1.76%	1.68%	1.58%	1.09%	2.09%	1.39%	1.13%	1.25%
Residential Therms	46,582	47,718	48,719	50,141	51,033	52,203	53,380	54,710	55,539	56,817
Commercial Therms	146,023	147,407	149,837	151,747	154,045	155,101	158,267	159,875	161,470	162,901
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	192,605	195,125	198,556	201,888	205,078	207,304	211,647	214,585	217,009	219,718
Daily Baseload Therms	240	244	248	251	255	257	263	266	270	272
Peak Day Therms	4,421	4,435	4,446	4,458	4,470	4,482	4,495	4,501	4,506	4,511
Therms Per Residential Customer	517	517	517	519	517	517	517	519	517	517
Therms Per Commercial Customer	2,633	2,633	2,633	2,642	2,633	2,633	2,633	2,642	2,633	2,633
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	90	92	94	97	99	101	103	105	107	110
Commercial Customers	55	56	57	57	59	59	60	61	61	62
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	146	148	151	154	157	160	163	166	169	172

Appendix B
Demand Forecast
High Scenario

Deming	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.78%	1.15%	1.19%	1.58%	0.72%	1.13%	1.20%	1.49%	0.71%	1.15%
Residential Therms	8,301,471	8,417,467	8,534,086	8,683,912	8,767,755	8,885,690	9,005,006	9,158,810	9,243,879	9,363,923
Commercial Therms	5,734,476	5,790,558	5,845,956	5,922,395	5,957,749	6,015,098	6,071,828	6,149,472	6,185,764	6,243,491
Industrial Therms	192,721	192,721	200,263	208,576	207,874	209,165	223,393	224,122	224,709	235,281
Ind., Inst., & Cmdl. Interrup. Therms	733,182	732,977	732,977	739,869	732,977	733,182	733,182	739,869	732,977	732,977
Total Core Therms	14,961,850	15,133,719	15,313,282	15,554,753	15,666,355	15,843,135	16,033,408	16,272,274	16,387,330	16,575,671
Daily Baseload Therms	14,528	14,655	14,788	15,013	15,225	15,398	15,584	15,676	15,849	16,079
Peak Day Therms	188,397	189,389	191,777	194,676	196,992	199,358	201,887	202,615	206,412	203,286
Therms Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Therms Per Commercial Customer	3,905	3,900	3,894	3,901	3,883	3,877	3,872	3,880	3,862	3,857
Therms Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	13,167	13,351	13,536	13,721	13,908	14,095	14,283	14,472	14,662	14,852
Commercial Customers	1,468	1,485	1,501	1,518	1,534	1,551	1,568	1,585	1,602	1,619
Industrial Customers	21	21	22	22	22	23	24	24	24	25
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14,656	14,857	15,059	15,262	15,465	15,669	15,875	16,081	16,288	16,496

Wenatchee	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	4.35%	1.74%	0.22%	0.38%	-0.44%	0.30%	0.22%	0.38%	4.07%	1.75%
Residential Therms	15,731	16,158	16,587	16,657	16,573	17,151	17,459	17,533	17,458	18,047
Commercial Therms	172,757	175,604	175,604	176,266	175,494	175,494	175,604	176,266	184,221	187,166
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	188,488	191,762	192,191	192,923	192,066	192,645	193,063	193,799	201,679	205,213
Daily Baseload Therms	231	232	228	232	236	237	237	229	243	252
Peak Day Therms	905	862	866	934	1,319	1,325	1,329	1,261	1,388	1,414
Therms Per Residential Customer	538	538	538	540	537	537	538	540	538	538
Therms Per Commercial Customer	11,020	10,922	10,922	10,964	10,916	10,916	10,922	10,964	10,655	10,573
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	29	30	31	31	31	32	32	32	32	34
Commercial Customers	16	16	16	16	16	16	16	16	17	18
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	45	46	47	47	47	48	49	49	50	51

Finley	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.44%	-0.10%	-0.12%	0.29%	-0.49%	-0.10%	-0.31%	-0.37%	-0.49%	-0.09%
Residential Therms	487,562	481,399	475,152	470,968	462,852	456,580	450,710	446,370	438,408	432,567
Commercial Therms	3,523,667	3,525,490	3,526,705	3,542,258	3,530,129	3,531,944	3,533,985	3,550,173	3,538,245	3,540,075
Industrial Therms	337,081	337,081	337,087	338,289	336,998	336,992	327,358	299,543	298,478	298,478
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,348,310	4,343,976	4,338,944	4,351,516	4,329,979	4,325,516	4,312,052	4,296,085	4,275,131	4,271,121
Daily Baseload Therms	5,362	5,325	5,288	5,316	5,345	5,341	5,324	5,220	5,216	5,244
Peak Day Therms	37,539	36,518	36,467	37,397	37,357	37,311	37,186	36,962	36,876	42,481
Therms Per Residential Customer	465	465	465	467	465	465	465	467	465	465
Therms Per Commercial Customer	5,093	5,092	5,092	5,112	5,091	5,091	5,092	5,111	5,092	5,091
Therms Per Industrial Customer	26,775	26,775	26,775	26,871	26,768	26,768	26,775	26,871	26,775	26,775
Residential Customers	1,049	1,036	1,022	1,009	996	983	970	957	943	931
Commercial Customers	692	692	693	693	693	694	694	695	695	695
Industrial Customers	13	13	13	13	13	13	12	11	11	11
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,754	1,741	1,727	1,715	1,702	1,689	1,676	1,662	1,649	1,637

Grandview	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	2.28%	6.56%	0.50%	0.88%	7.08%	1.12%	0.55%	2.61%	4.72%	1.06%
Residential Therms	23,099	24,053	24,938	25,942	26,816	27,818	28,840	29,818	30,558	31,604
Commercial Therms	143,441	153,420	153,417	153,989	165,849	167,015	167,055	171,182	179,933	181,128
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	166,540	177,472	178,355	179,932	192,665	194,833	195,896	201,000	210,492	212,732
Daily Baseload Therms	191	202	201	203	220	223	223	225	237	241
Peak Day Therms	572	577	589	700	714	728	742	732	753	441
Therms Per Residential Customer	545	545	545	547	545	545	545	547	545	545
Therms Per Commercial Customer	7,966	7,966	7,966	7,996	7,966	7,966	7,966	7,996	7,966	7,966
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	42	44	46	47	49	51	53	55	56	58
Commercial Customers	18	19	19	19	21	21	21	21	23	23
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	60	63	65	67	70	72	74	76	79	81

Zillah (Toppenish)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.19%	0.50%	0.39%	0.74%	0.14%	0.42%	0.44%	0.71%	0.11%	0.40%
Residential Therms	615,077	616,715	617,834	621,424	619,758	620,659	621,659	624,576	622,629	623,083
Commercial Therms	1,502,557	1,511,794	1,519,304	1,531,682	1,536,861	1,545,369	1,554,137	1,566,778	1,571,725	1,580,350
Industrial Therms	71,405	71,405	71,405	71,742	71,270	71,270	71,270	71,662	71,730	71,130
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	2,189,039	2,199,914	2,208,543	2,224,848	2,227,890	2,237,298	2,247,066	2,263,016	2,265,484	2,274,563
Daily Baseload Therms	4,190	4,193	4,193	4,220	4,247	4,261	4,275	4,292	4,304	4,331
Peak Day Therms	14,875	14,585	14,668	15,157	15,249	15,341	15,433	15,125	15,622	15,711
Therms Per Residential Customer	578	578	578	581	578	578	578	581	578	578
Therms Per Commercial Customer	6,974	6,928	6,892	6,862	6,809	6,771	6,735	6,708	6,660	6,625
Therms Per Industrial Customer	8,484	8,484	8,484	8,524	8,468	8,468	8,468	8,514	8,451	8,451
Residential Customers	1,064	1,066	1,068	1,070	1,072	1,074	1,075	1,076	1,077	1,077
Commercial Customers	215	218	220	223	226	228	231	234	236	239
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,287	1,293	1,297	1,302	1,306	1,310	1,314	1,318	1,321	1,324

Appendix B
Demand Forecast
High Scenario

Kalama #2	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.39%	0.81%	0.70%	1.04%	0.26%	0.66%	0.71%	1.37%	0.25%	0.66%
Residential Therms	1,201,446	1,204,440	1,206,927	1,214,220	1,210,448	1,212,071	1,213,691	1,220,038	1,216,035	1,216,994
Commercial Therms	2,461,323	2,490,046	2,518,898	2,556,806	2,574,990	2,603,636	2,634,394	2,672,572	2,690,993	2,720,778
Industrial Therms	763,806	768,127	768,142	770,368	767,760	767,745	768,097	787,631	785,340	785,324
Ind., Inst., & Cmdl. Interrup. Therms	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Therms	4,475,368	4,511,406	4,542,762	4,590,189	4,601,992	4,632,246	4,664,977	4,729,035	4,740,762	4,771,891
Daily Baseload Therms	4,606	4,590	4,567	4,640	4,722	4,750	4,780	4,718	4,745	4,829
Peak Day Therms	45,243	43,941	44,252	46,202	46,517	46,826	47,143	45,873	47,910	47,918
Therms Per Residential Customer	567	567	567	569	567	567	567	569	567	567
Therms Per Commercial Customer	4,148	4,148	4,147	4,162	4,144	4,143	4,144	4,159	4,142	4,141
Therms Per Industrial Customer	34,264	34,266	34,266	34,366	34,249	34,248	34,264	34,366	34,266	34,266
Residential Customers	2,120	2,125	2,130	2,134	2,137	2,140	2,142	2,144	2,146	2,147
Commercial Customers	593	600	607	614	621	628	636	643	650	657
Industrial Customers	22	22	22	22	22	22	22	23	23	23
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	2,737	2,749	2,760	2,771	2,781	2,791	2,801	2,810	2,819	2,828

Lawrence	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	2.28%	4.78%	1.18%	1.64%	0.37%	2.78%	0.90%	1.28%	10.23%	3.76%
Residential Therms	215,268	220,163	228,266	234,124	238,148	243,308	248,480	254,577	258,750	263,813
Commercial Therms	177,058	181,077	181,483	186,700	186,285	189,549	191,258	194,110	196,220	197,064
Industrial Therms	295,064	318,988	318,988	319,890	318,988	331,256	331,256	332,194	405,789	432,254
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	687,390	720,228	728,737	740,714	743,421	764,113	770,994	780,880	860,760	893,121
Daily Baseload Therms	1,253	1,323	1,325	1,341	1,353	1,396	1,404	1,402	1,612	1,695
Peak Day Therms	3,255	3,174	3,296	3,525	3,565	3,631	3,681	3,566	3,798	3,841
Therms Per Residential Customer	893	892	903	906	901	900	900	903	899	898
Therms Per Commercial Customer	3,061	3,061	3,061	3,074	3,060	3,060	3,061	3,074	3,061	3,061
Therms Per Industrial Customer	94,420	94,420	94,420	94,688	94,420	94,420	94,420	94,688	94,420	94,420
Residential Customers	241	247	253	258	264	270	276	282	288	294
Commercial Customers	58	59	59	61	61	62	62	63	64	64
Industrial Customers	3	3	3	3	3	4	4	4	4	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	302	309	315	322	329	336	342	348	356	363

Moxee (Beauchene)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.10%	0.12%	2.24%	2.33%	0.98%	1.31%	0.59%	1.21%	1.73%	1.49%
Residential Therms	49,879	49,973	51,002	51,859	52,231	53,275	53,752	54,631	55,482	56,869
Commercial Therms	24,401	24,401	25,066	26,010	26,415	26,415	26,415	26,521	27,098	27,959
Industrial Therms	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	75,481	75,574	77,269	79,071	79,847	80,891	81,367	82,354	83,780	85,029
Daily Baseload Therms	48	48	49	50	51	51	52	52	53	54
Peak Day Therms	5,723	5,635	5,707	6,011	6,099	6,188	6,283	6,153	6,465	6,544
Therms Per Residential Customer	708	708	708	711	708	708	708	711	708	708
Therms Per Commercial Customer	1,258	1,258	1,258	1,263	1,258	1,258	1,258	1,263	1,258	1,258
Therms Per Industrial Customer	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201
Residential Customers	70	71	72	73	74	75	76	77	78	79
Commercial Customers	19	19	20	21	21	21	21	21	22	22
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	91	91	93	95	96	97	98	99	101	102

Othello	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.18%	0.12%	0.36%	0.46%	-0.12%	0.25%	0.31%	0.57%	-0.27%	0.56%
Residential Therms	669,203	670,826	672,127	676,153	674,048	675,021	675,940	679,335	677,328	677,573
Commercial Therms	391,416	391,986	397,094	400,238	402,112	405,558	408,569	414,103	413,489	419,597
Industrial Therms	699,627	699,627	699,627	700,636	698,751	698,751	700,413	701,653	699,430	703,342
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	1,760,247	1,762,439	1,768,849	1,777,027	1,774,911	1,779,329	1,784,922	1,795,090	1,790,547	1,800,512
Daily Baseload Therms	3,423	3,411	3,402	3,685	3,700	3,702	3,704	3,981	3,982	3,998
Peak Day Therms	16,989	16,624	16,685	16,668	16,711	16,755	16,791	16,992	17,412	17,606
Therms Per Residential Customer	627	627	627	630	627	627	627	630	627	627
Therms Per Commercial Customer	5,948	5,945	5,916	5,928	5,887	5,869	5,866	5,829	5,829	5,801
Therms Per Industrial Customer	60,837	60,837	60,837	60,925	60,761	60,761	60,251	60,357	60,167	59,857
Residential Customers	1,066	1,069	1,071	1,073	1,075	1,076	1,077	1,078	1,079	1,080
Commercial Customers	66	66	67	68	68	69	70	71	71	72
Industrial Customers	12	12	12	12	12	12	12	12	12	12
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,144	1,146	1,150	1,152	1,154	1,157	1,159	1,161	1,162	1,164

North Pasco	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.23%	0.05%	0.01%	0.40%	-0.35%	0.03%	0.10%	0.33%	-0.27%	0.03%
Residential Therms	662,640	662,563	662,487	665,041	662,271	662,195	662,410	664,886	662,259	662,259
Commercial Therms	1,012,444	1,013,531	1,013,897	1,018,512	1,015,343	1,016,069	1,017,901	1,021,171	1,019,362	1,020,096
Industrial Therms	400,735	400,735	400,735	401,905	400,598	400,598	400,735	401,905	400,735	400,735
Ind., Inst., & Cmdl. Interrup. Therms	109,275	109,275	109,275	109,621	109,232	109,232	109,275	109,621	109,275	109,275
Total Core Therms	2,185,093	2,186,103	2,186,394	2,195,079	2,187,445	2,188,094	2,190,321	2,197,583	2,191,630	2,192,365
Daily Baseload Therms	2,769	2,746	2,721	2,765	2,790	2,791	2,793	2,772	2,773	2,799
Peak Day Therms	31,875	30,946	30,949	31,893	31,897	31,905	31,922	30,983	31,942	31,951
Therms Per Residential Customer	611	611	611	614	611	611	611	614	611	611
Therms Per Commercial Customer	3,436	3,435	3,435	3,445	3,433	3,432	3,432	3,444	3,432	3,431
Therms Per Industrial Customer	36,430	36,430	36,430	36,537	36,418	36,418	36,430	36,537	36,430	36,430
Residential Customers	1,084	1,084	1,084	1,084	1,084	1,084	1,084	1,084	1,083	1,083
Commercial Customers	295	295	295	296	296	296	297	297	297	297
Industrial Customers	11	11	11	11	11	11	11	11	11	11
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,391	1,391	1,391	1,391	1,392	1,392	1,392	1,392	1,393	1,393

**Appendix B
Demand Forecast
High Scenario**

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Patterson										
Total Therms Pct. Growth	-0.24%	0.00%	0.13%	0.34%	-0.34%	0.00%	0.00%	0.32%	-0.31%	0.00%
Residential Therms	0	0	0	0	0	0	0	0	0	0
Commercial Therms	264,970	264,977	265,312	266,201	265,292	265,284	265,296	266,137	265,312	265,312
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	264,970	264,977	265,312	266,201	265,292	265,284	265,296	266,137	265,312	265,312
Daily Baseload Therms	525	524	524	524	524	524	524	536	536	537
Peak Day Therms	893	831	836	899	899	899	899	836	195	195
Therms Per Residential Customer	0	0	0	0	0	0	0	0	0	0
Therms Per Commercial Customer	46,614	46,616	45,548	45,701	45,545	45,544	45,546	45,690	45,548	45,548
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	0	0	0	0	0	0	0	0	0	0
Commercial Customers	6	6	6	6	6	6	6	6	6	6
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	6	6	6	6	6	6	6	6	6	6

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Prosser										
Total Therms Pct. Growth	2.45%	2.75%	2.75%	3.11%	2.12%	1.10%	2.64%	2.99%	2.06%	2.50%
Residential Therms	397,475	412,577	428,013	445,271	458,725	474,555	490,747	509,155	523,211	539,914
Commercial Therms	575,502	590,140	605,322	623,145	635,091	650,657	666,495	685,042	697,787	713,844
Industrial Therms	109,037	109,037	109,037	109,440	109,002	90,835	90,864	91,200	90,864	90,864
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	1,082,015	1,111,753	1,142,372	1,177,855	1,202,818	1,216,048	1,248,106	1,285,397	1,311,862	1,344,622
Daily Baseload Therms	661	671	681	708	735	747	766	767	785	815
Peak Day Therms	13,734	13,888	14,246	14,922	15,270	15,632	16,011	16,271	16,877	17,255
Therms Per Residential Customer	531	531	531	533	531	531	531	533	531	531
Therms Per Commercial Customer	3,016	3,016	3,016	3,029	3,016	3,016	3,016	3,029	3,016	3,016
Therms Per Industrial Customer	25,624	25,624	25,624	25,718	25,616	25,616	25,624	25,718	25,624	25,624
Residential Customers	749	777	807	835	865	894	925	955	986	1,017
Commercial Customers	191	196	201	206	211	216	221	226	231	237
Industrial Customers	4	4	4	4	4	4	4	4	4	4
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	944	977	1,012	1,045	1,079	1,114	1,149	1,185	1,221	1,258

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Quincy										
Total Therms Pct. Growth	-1.17%	0.17%	0.32%	0.63%	0.03%	0.33%	0.12%	0.97%	-0.17%	0.26%
Residential Therms	39,666	39,581	39,238	39,300	38,961	38,790	38,811	38,957	38,812	38,812
Commercial Therms	816,011	821,322	824,872	829,975	831,710	835,292	836,485	845,154	844,565	847,272
Industrial Therms	156,022	152,530	152,530	153,741	152,609	152,609	152,609	153,715	152,653	152,653
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	1,011,699	1,013,433	1,016,640	1,023,016	1,023,280	1,026,691	1,027,905	1,037,826	1,036,030	1,038,738
Daily Baseload Therms	1,523	1,522	1,518	1,518	1,537	1,543	1,545	1,537	1,541	1,556
Peak Day Therms	6,740	6,474	6,496	6,784	6,823	6,848	7,108	8,120	8,605	8,625
Therms Per Residential Customer	690	690	690	693	690	690	690	693	690	690
Therms Per Commercial Customer	11,641	11,590	11,556	11,586	11,486	11,453	11,449	11,446	11,378	11,354
Therms Per Industrial Customer	31,204	32,031	32,031	32,286	32,048	32,048	32,048	32,280	32,057	32,057
Residential Customers	57	57	57	57	56	56	56	56	56	56
Commercial Customers	70	71	71	72	72	73	73	74	74	75
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	133	133	133	133	134	134	134	135	135	136

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Sunnyside										
Total Therms Pct. Growth	0.43%	0.61%	0.81%	0.94%	0.20%	0.56%	1.12%	0.89%	0.20%	0.54%
Residential Therms	1,162,082	1,165,042	1,167,787	1,174,384	1,171,111	1,172,701	1,174,241	1,180,216	1,176,510	1,177,383
Commercial Therms	1,777,307	1,796,107	1,815,336	1,841,264	1,853,717	1,872,807	1,892,988	1,918,416	1,931,528	1,950,904
Industrial Therms	641,332	641,346	641,353	643,020	641,219	641,212	660,964	662,711	660,986	660,979
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,580,721	3,602,494	3,624,475	3,658,667	3,666,047	3,686,720	3,728,193	3,761,344	3,769,024	3,789,266
Daily Baseload Therms	3,606	3,606	3,605	3,640	3,675	3,692	3,751	3,730	3,747	3,782
Peak Day Therms	34,138	33,832	34,136	34,918	35,152	35,380	35,689	35,342	36,214	36,436
Therms Per Residential Customer	559	559	559	562	559	559	559	562	559	559
Therms Per Commercial Customer	2,971	2,969	2,966	2,974	2,959	2,957	2,954	2,963	2,949	2,947
Therms Per Industrial Customer	39,065	39,066	39,066	39,168	39,058	39,058	39,065	39,168	39,066	39,066
Residential Customers	2,077	2,083	2,087	2,091	2,094	2,097	2,099	2,101	2,103	2,105
Commercial Customers	598	605	612	619	626	633	641	647	655	662
Industrial Customers	16	16	16	16	16	16	17	17	17	17
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	2,692	2,704	2,716	2,726	2,736	2,746	2,757	2,766	2,775	2,784

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Moses Lake										
Total Therms Pct. Growth	-0.30%	0.18%	0.22%	0.74%	-0.31%	0.22%	0.19%	0.74%	-0.32%	-0.14%
Residential Therms	360,584	359,693	358,804	359,381	356,720	355,833	355,186	355,749	353,163	352,342
Commercial Therms	3,407,982	3,415,913	3,425,571	3,453,451	3,444,599	3,454,326	3,462,704	3,490,987	3,481,600	3,491,595
Industrial Therms	200,266	200,266	200,266	201,297	200,187	200,187	200,187	201,171	200,111	185,343
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,968,832	3,975,872	3,984,641	4,014,129	4,001,506	4,010,345	4,018,077	4,047,907	4,034,874	4,029,281
Daily Baseload Therms	2,687	2,689	2,686	2,665	2,678	2,685	2,688	2,723	2,730	2,743
Peak Day Therms	21,190	21,065	21,220	20,709	20,778	20,942	20,961	21,715	22,071	22,242
Therms Per Residential Customer	514	514	514	516	513	513	514	516	514	514
Therms Per Commercial Customer	8,626	8,593	8,562	8,571	8,487	8,451	8,421	8,431	8,351	8,317
Therms Per Industrial Customer	28,954	28,954	28,954	29,103	28,943	28,943	28,943	29,085	28,932	28,782
Residential Customers	702	700	699	697	695	693	691	690	688	686
Commercial Customers	395	398	400	403	406	409	411	414	417	420
Industrial Customers	7	7	7	7	7	7	7	7	7	6
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,104	1,105	1,106	1,106	1,108	1,109	1,110	1,111	1,111	1,112

Appendix B
Demand Forecast
High Scenario

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
7th Day School										
Total Therms Pct. Growth	-0.50%	0.00%	0.00%	0.50%	0.21%	0.00%	0.70%	1.21%	-0.50%	0.00%
Residential Therms	11,594	11,594	11,594	11,653	11,715	11,715	11,836	12,018	11,958	11,958
Commercial Therms	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Industrial Therms	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	17,016	17,016	17,016	17,101	17,138	17,138	17,258	17,467	17,380	17,380
Daily Baseload Therms	6	6	6	6	6	6	6	6	6	6
Peak Day Therms	617	609	609	617	665	681	683	676	685	4,148
Therms Per Residential Customer	939	939	939	944	939	939	939	944	939	939
Therms Per Commercial Customer	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Therms Per Industrial Customer	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Residential Customers	12	12	12	12	12	12	13	13	13	13
Commercial Customers	1	1	1	1	1	1	1	1	1	1
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14	14	14	14	14	14	15	15	15	15

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Yakima Training Center										
Total Therms Pct. Growth	0.90%	0.94%	1.27%	1.59%	0.45%	1.36%	1.14%	1.44%	0.77%	0.99%
Residential Therms	5,514	5,564	5,564	5,588	5,562	5,587	5,589	5,613	5,589	5,589
Commercial Therms	450,854	455,101	460,958	468,346	470,488	476,948	482,470	489,489	493,348	498,272
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	456,368	460,664	466,522	473,934	476,051	482,535	488,059	495,102	498,937	503,861
Daily Baseload Therms	190	189	188	193	199	201	204	198	201	206
Peak Day Therms	327	326	326	322	322	323	323	377	378	378
Therms Per Residential Customer	192	192	192	193	192	192	192	193	192	192
Therms Per Commercial Customer	4,066	4,066	4,066	4,083	4,065	4,065	4,066	4,083	4,066	4,066
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	29	29	29	29	29	29	29	29	29	29
Commercial Customers	111	112	113	115	116	117	119	120	121	123
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	140	141	142	144	145	146	148	149	150	152

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Burbank Heights Loop										
Total Therms Pct. Growth	3.49%	3.68%	4.17%	4.02%	3.17%	3.49%	3.40%	4.16%	2.84%	3.04%
Residential Therms	10,944,064	11,442,802	11,949,015	12,510,064	12,980,730	13,507,326	14,044,204	14,641,702	15,132,903	15,687,637
Commercial Therms	5,499,290	5,634,425	5,847,191	6,008,368	6,112,747	6,253,026	6,394,308	6,654,968	6,773,970	6,906,212
Industrial Therms	205,811	183,934	183,934	184,386	202,621	209,852	209,876	210,387	209,881	195,243
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	16,649,166	17,261,161	17,980,139	18,702,818	19,296,099	19,970,204	20,648,388	21,507,056	22,116,844	22,789,092
Daily Baseload Therms	14,924	15,373	15,946	16,598	17,283	17,884	18,482	19,002	19,608	20,284
Peak Day Therms	240,208	246,931	256,229	267,493	277,325	287,138	297,015	304,641	317,670	328,240
Therms Per Residential Customer	568	568	568	570	568	568	568	570	568	568
Therms Per Commercial Customer	3,880	3,877	3,923	3,935	3,908	3,905	3,902	3,967	3,948	3,937
Therms Per Industrial Customer	19,679	19,679	19,679	19,728	19,677	19,677	19,679	19,727	19,680	19,680
Residential Customers	19,258	20,136	21,027	21,929	22,845	23,772	24,714	25,665	26,629	27,605
Commercial Customers	1,417	1,453	1,490	1,527	1,564	1,601	1,639	1,677	1,716	1,754
Industrial Customers	10	9	9	9	10	11	11	11	11	10
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	20,686	21,599	22,526	23,465	24,420	25,384	26,363	27,353	28,356	29,369

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
East Stanwood Loop										
Total Therms Pct. Growth	1.07%	1.45%	1.43%	1.80%	1.02%	1.38%	1.40%	1.73%	0.98%	1.34%
Residential Therms	6,702,438	6,784,804	6,868,159	6,977,684	7,034,179	7,118,355	7,203,551	7,315,556	7,373,657	7,458,983
Commercial Therms	4,992,566	5,081,851	5,170,051	5,278,793	5,349,528	5,438,708	5,531,837	5,642,357	5,713,319	5,805,651
Industrial Therms	138,081	138,081	138,081	138,439	138,081	138,081	138,081	138,507	138,081	138,081
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	11,833,085	12,004,736	12,176,292	12,394,916	12,521,788	12,695,145	12,873,469	13,096,420	13,225,057	13,402,715
Daily Baseload Therms	13,940	14,093	14,244	14,495	14,748	14,951	15,158	15,266	15,461	15,722
Peak Day Therms	103,628	103,574	105,061	108,172	109,700	111,225	112,778	112,620	115,869	117,431
Therms Per Residential Customer	713	713	713	715	713	713	713	715	713	713
Therms Per Commercial Customer	4,078	4,075	4,070	4,083	4,067	4,065	4,065	4,078	4,062	4,061
Therms Per Industrial Customer	165,697	165,697	165,697	166,127	165,697	165,697	165,697	166,209	165,697	165,697
Residential Customers	9,404	9,519	9,636	9,753	9,870	9,989	10,107	10,226	10,345	10,465
Commercial Customers	1,224	1,247	1,270	1,293	1,315	1,338	1,361	1,384	1,406	1,429
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	10,629	10,767	10,907	11,047	11,187	11,327	11,469	11,610	11,753	11,896

Zone 10	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.55%	0.87%	0.81%	1.16%	0.40%	0.63%	0.99%	1.27%	0.40%	0.77%
Residential Therms	3,388,777	3,411,471	3,433,258	3,468,060	3,472,861	3,492,804	3,513,277	3,547,112	3,551,446	3,570,435
Commercial Therms	6,320,442	6,391,839	6,462,613	6,556,669	6,604,411	6,676,223	6,751,768	6,846,580	6,895,385	6,969,629
Industrial Therms	1,587,248	1,591,584	1,591,606	1,596,247	1,590,921	1,572,732	1,592,865	1,614,880	1,609,990	1,609,967
Ind., Inst., & Cmdl. Interrup. Therms	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Therms	11,345,262	11,443,687	11,536,272	11,669,769	11,716,987	11,790,553	11,906,704	12,057,366	12,105,615	12,198,825
Daily Baseload Therms	13,070	13,067	13,053	13,214	13,385	13,457	13,579	13,513	13,589	13,764
Peak Day Therms	108,992	107,241	108,296	112,201	112,854	113,861	114,959	113,286	117,307	121,468
Therms Per Residential Customer	3,726	3,726	3,726	3,742	3,726	3,726	3,726	3,742	3,726	3,726
Therms Per Commercial Customer	20,863	20,813	20,774	20,799	20,681	20,639	20,602	20,630	20,521	20,482
Therms Per Industrial Customer	109,106	109,108	109,110	109,453	109,060	109,059	109,090	109,444	109,077	109,076
Residential Customers	6,026	6,068	6,108	6,147	6,183	6,220	6,257	6,293	6,328	6,363
Commercial Customers	1,599	1,620	1,642	1,663	1,685	1,707	1,729	1,751	1,773	1,795
Industrial Customers	52	53	53	53	53	52	52	53	53	53
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	7,678	7,741	7,804	7,863	7,922	7,980	8,039	8,097	8,155	8,212

Zone 11	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.16%	0.51%	0.50%	0.89%	0.07%	0.53%	0.75%	0.78%	0.06%	0.47%
Residential Therms	14,968,936	15,000,132	15,024,930	15,105,039	15,056,276	15,068,425	15,081,334	15,150,652	15,096,254	15,101,606
Commercial Therms	19,372,415	19,539,601	19,710,727	19,957,228	20,048,604	20,222,381	20,509,652	20,767,745	20,855,655	21,032,043
Industrial Therms	4,104,577	4,101,091	4,101,091	4,118,968	4,104,920	4,128,511	4,125,271	4,109,635	4,100,197	4,108,837
Ind., Inst., & Cmdl. Interrup. Therms	95,281	95,281	95,281	95,223	95,281	95,281	95,281	95,880	95,281	95,281
Total Core Therms	38,541,208	38,736,105	38,931,489	39,277,058	39,305,081	39,514,597	39,811,537	40,123,912	40,147,586	40,337,767
Daily Baseload Therms	36,101	36,049	35,990	36,619	36,995	37,182	37,425	37,401	37,533	37,932
Peak Day Therms	400,679	396,048	398,130	406,551	408,599	410,800	413,880	410,524	419,633	429,252
Therms Per Residential Customer	2,639	2,639	2,639	2,649	2,638	2,638	2,639	2,649	2,639	2,639
Therms Per Commercial Customer	30,374	30,317	30,252	30,343	30,144	30,091	30,100	30,147	29,997	29,943
Therms Per Industrial Customer	156,306	157,134	157,134	157,696	157,067	157,066	156,563	157,123	156,489	156,179
Residential Customers	22,947	22,990	23,023	23,049	23,068	23,082	23,093	23,102	23,108	23,112
Commercial Customers	4,852	4,900	4,949	4,997	5,047	5,097	5,147	5,197	5,246	5,297
Industrial Customers	107	107	107	107	107	107	107	106	106	106
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	27,907	27,998	28,080	28,154	28,223	28,288	28,349	28,407	28,462	28,518

Zone 20	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	2.73%	2.98%	3.03%	3.25%	2.52%	2.76%	2.78%	3.20%	2.20%	2.60%
Residential Therms	28,141,873	29,253,287	30,379,452	31,641,650	32,871,464	33,840,562	35,028,848	36,366,079	37,437,200	38,662,530
Commercial Therms	25,405,904	25,969,273	26,556,374	27,180,555	27,655,631	28,100,799	28,757,977	29,499,823	29,927,431	30,521,657
Industrial Therms	1,065,941	1,027,806	1,027,806	1,031,758	1,046,124	1,053,355	1,053,515	1,057,563	1,037,861	1,003,432
Ind., Inst., & Cmdl. Interrup. Therms	327,119	327,119	327,119	328,828	327,076	327,076	327,119	329,816	327,119	327,119
Total Core Therms	54,940,837	56,577,485	58,290,751	60,182,791	61,700,295	63,401,792	65,167,460	67,252,380	68,729,611	70,514,739
Daily Baseload Therms	55,965	57,467	58,973	60,777	62,679	64,375	66,240	67,651	69,386	71,331
Peak Day Therms	709,011	725,896	748,660	775,649	799,234	823,095	847,612	866,324	886,393	931,891
Therms Per Residential Customer	2,873	2,873	2,873	2,885	2,872	2,872	2,873	2,885	2,873	2,873
Therms Per Commercial Customer	28,485	28,451	28,456	28,524	28,358	28,310	28,283	28,407	28,240	28,202
Therms Per Industrial Customer	123,416	125,324	125,324	125,843	125,273	125,272	125,287	125,813	126,699	126,482
Residential Customers	46,515	48,357	50,223	52,113	54,029	55,967	57,931	59,915	61,924	63,956
Commercial Customers	5,478	5,605	5,732	5,860	5,991	6,121	6,252	6,384	6,518	6,653
Industrial Customers	35	33	33	33	34	35	35	35	34	33
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	52,030	53,997	55,990	58,008	60,056	62,125	64,219	66,336	68,478	70,643

Zone 24	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.24%	0.63%	0.63%	1.04%	0.20%	0.63%	0.64%	1.04%	0.20%	0.62%
Residential Therms	4,760,524	4,801,747	4,843,147	4,905,748	4,925,923	4,968,065	5,010,992	5,075,058	5,095,934	5,139,238
Commercial Therms	4,527,132	4,552,727	4,578,378	4,623,239	4,629,216	4,655,166	4,681,293	4,727,114	4,732,968	4,758,475
Industrial Therms	233,363	233,363	233,363	233,849	233,363	233,363	233,363	233,363	233,363	233,363
Ind., Inst., & Cmdl. Interrup. Therms	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Therms	10,560,392	10,627,210	10,694,261	10,805,822	10,827,715	10,895,757	10,965,021	11,079,141	11,101,628	11,170,448
Daily Baseload Therms	8,058	8,045	8,032	8,130	8,227	8,270	8,312	8,253	8,294	8,393
Peak Day Therms	114,104	113,326	114,093	116,279	117,057	117,850	118,639	118,274	122,845	115,048
Therms Per Residential Customer	1,627	1,627	1,627	1,634	1,626	1,626	1,627	1,634	1,627	1,627
Therms Per Commercial Customer	8,014	8,013	8,013	8,045	8,010	8,010	8,010	8,043	8,009	8,008
Therms Per Industrial Customer	35,299	35,299	35,299	35,414	35,299	35,299	35,299	35,443	35,299	37,096
Residential Customers	7,888	7,955	8,023	8,092	8,160	8,229	8,298	8,368	8,437	8,508
Commercial Customers	1,539	1,549	1,558	1,567	1,576	1,585	1,594	1,604	1,612	1,621
Industrial Customers	24	24	24	24	24	24	24	24	24	23
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	9,452	9,528	9,605	9,684	9,761	9,839	9,917	9,996	10,074	10,154

Zone 26	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.17%	1.58%	2.24%	1.74%	0.77%	1.32%	1.23%	1.53%	1.52%	1.43%
Residential Therms	2,089,167	2,137,576	2,189,779	2,247,698	2,287,807	2,338,056	2,389,585	2,449,894	2,491,564	2,543,501
Commercial Therms	5,717,667	5,789,724	5,927,154	6,024,387	6,064,661	6,127,869	6,195,433	6,281,558	6,325,252	6,386,547
Industrial Therms	1,237,893	1,261,811	1,280,420	1,290,775	1,285,064	1,299,734	1,302,237	1,308,061	1,376,748	1,410,407
Ind., Inst., & Cmdl. Interrup. Therms	103,528	103,528	103,528	103,698	103,528	103,528	103,528	103,643	103,528	103,528
Total Core Therms	9,148,255	9,292,638	9,500,880	9,666,559	9,741,059	9,869,187	9,990,784	10,143,157	10,297,092	10,443,983
Daily Baseload Therms	10,794	10,880	10,928	11,243	11,457	11,611	11,735	11,670	11,988	12,289
Peak Day Therms	95,629	94,025	95,944	97,899	100,066	101,138	102,207	103,002	103,192	81,827
Therms Per Residential Customer	3,298	3,297	3,308	3,323	3,305	3,304	3,304	3,314	3,303	3,302
Therms Per Commercial Customer	60,070	60,073	59,064	59,267	59,046	59,035	59,031	59,216	59,015	59,007
Therms Per Industrial Customer	156,402	156,401	156,401	156,973	156,395	156,395	156,402	156,986	156,401	156,400
Residential Customers	3,809	3,898	3,989	4,079	4,171	4,263	4,356	4,449	4,543	4,639
Commercial Customers	1,359	1,375	1,394	1,412	1,429	1,447	1,465	1,483	1,501	1,517
Industrial Customers	34	34	35	35	35	36	36	36	37	37
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	5,203	5,309	<							

Appendix B
Demand Forecast
High Scenario

Zone 30-S	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.89%	1.24%	1.23%	1.60%	0.81%	1.20%	1.40%	1.56%	0.79%	1.17%
Residential Therms	29,612,426	30,034,705	30,459,041	31,000,600	31,311,231	31,742,328	32,178,038	32,734,664	33,090,088	33,490,081
Commercial Therms	17,163,906	17,337,288	17,511,549	17,752,327	17,860,737	18,064,526	18,344,235	18,592,387	18,883,940	18,883,409
Industrial Therms	563,787	563,787	563,787	566,724	558,455	530,935	531,003	533,780	531,003	531,003
Ind., Inst., & Cmpl. Interp. Therms	841,393	841,393	841,393	845,652	841,393	841,393	841,393	845,648	841,393	841,393
Total Core Therms	48,181,512	48,777,172	49,375,770	50,165,321	50,571,815	51,179,181	51,894,669	52,706,480	53,125,423	53,745,886
Daily BaseLoad Therms	45,518	45,922	46,326	47,019	47,720	48,403	48,965	49,227	49,791	50,511
Peak Day Therms	451,776	453,328	460,160	469,724	475,387	481,408	488,052	490,918	501,654	507,651
Therms Per Residential Customer	1,418	1,418	1,418	1,423	1,418	1,418	1,418	1,423	1,418	1,418
Therms Per Commercial Customer	8,006	8,001	7,997	8,021	7,986	7,988	8,009	8,034	8,000	7,995
Therms Per Industrial Customer	43,890	43,890	43,890	44,120	43,791	43,352	43,357	43,595	43,357	43,357
Residential Customers	42,352	42,959	43,568	44,180	44,795	45,414	46,036	46,660	47,288	47,919
Commercial Customers	4,310	4,359	4,407	4,455	4,505	4,554	4,605	4,655	4,705	4,755
Industrial Customers	27	27	27	27	26	25	25	25	25	25
Interruptible Customers	2	2	2	2	2	1	1	1	1	1
Total Core Customers	46,691	47,346	48,003	48,664	49,328	49,995	50,667	51,341	52,019	52,700

Zone 30-W	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.05%	1.46%	1.43%	1.76%	1.06%	1.32%	1.33%	1.68%	0.94%	1.30%
Residential Therms	70,998,174	72,001,307	73,011,633	74,301,966	75,032,783	76,586,598	77,091,973	78,416,657	79,160,117	80,201,393
Commercial Therms	37,646,341	38,237,060	38,825,614	39,502,970	39,985,672	40,502,286	41,029,697	41,706,895	42,100,028	42,652,681
Industrial Therms	3,023,945	3,056,093	3,081,737	3,134,820	3,161,948	3,166,784	3,221,529	3,260,181	3,282,433	3,309,019
Ind., Inst., & Cmpl. Interp. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	111,668,460	113,294,460	114,918,984	116,939,756	118,180,403	119,745,668	121,343,199	123,383,734	124,542,578	126,163,093
Daily BaseLoad Therms	106,094	107,217	108,313	110,252	112,305	113,778	115,265	116,817	117,333	119,336
Peak Day Therms	1,080,246	1,082,034	1,097,122	1,126,015	1,141,908	1,157,413	1,173,020	1,174,403	1,204,809	1,237,768
Therms Per Residential Customer	5,619	5,619	5,619	5,641	5,618	5,618	5,619	5,641	5,619	5,619
Therms Per Commercial Customer	32,306	32,213	32,220	32,338	32,225	32,217	32,218	32,332	31,937	31,849
Therms Per Industrial Customer	206,711	206,711	206,711	207,284	206,705	206,705	206,711	207,365	206,711	206,711
Residential Customers	97,386	98,764	100,151	101,541	102,937	104,343	105,753	107,169	108,592	110,022
Commercial Customers	11,893	12,063	12,235	12,405	12,579	12,751	12,924	13,097	13,273	13,449
Industrial Customers	204	207	209	212	216	219	221	221	223	225
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	109,483	111,034	112,594	114,158	115,731	117,310	118,895	120,487	122,088	123,696

Zone GTN	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	2.56%	2.94%	2.88%	3.27%	2.35%	2.76%	2.71%	3.18%	2.20%	2.68%
Residential Therms	52,936,480	54,832,577	56,752,792	59,944,910	60,655,528	62,643,787	64,662,064	66,977,317	68,751,582	70,829,430
Commercial Therms	23,106,432	23,453,136	23,794,246	24,256,610	24,494,913	24,843,453	25,218,676	25,781,118	26,037,108	26,493,469
Industrial Therms	2,446,759	2,523,638	2,595,486	2,669,257	2,744,894	2,839,918	2,904,114	2,980,808	3,070,295	3,167,163
Ind., Inst., & Cmpl. Interp. Therms	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Therms	78,787,157	81,107,038	83,440,011	86,169,880	88,192,822	90,623,645	93,082,342	96,040,371	98,156,472	100,787,549
Daily BaseLoad Therms	69,648	71,390	73,179	75,503	77,913	80,054	82,187	83,745	85,931	88,695
Peak Day Therms	955,886	975,488	1,003,540	1,040,065	1,069,141	1,098,311	1,127,711	1,148,183	1,192,971	1,223,976
Therms Per Residential Customer	7,442	7,437	7,432	7,460	7,422	7,418	7,414	7,442	7,406	7,402
Therms Per Commercial Customer	36,935	36,884	36,871	36,976	36,808	36,756	36,780	37,008	36,822	36,829
Therms Per Industrial Customer	107,585	106,774	105,819	106,084	105,453	105,324	105,184	105,278	104,186	103,666
Residential Customers	71,239	73,773	76,338	78,935	81,560	84,217	86,905	89,621	92,368	95,143
Commercial Customers	8,153	8,283	8,409	8,540	8,669	8,799	8,930	9,063	9,195	9,328
Industrial Customers	126	130	135	139	143	149	152	157	163	168
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	79,519	82,186	84,884	87,614	90,373	93,166	95,989	98,841	101,727	104,641

Zone ME-OR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.71%	1.02%	1.05%	1.34%	0.60%	1.05%	0.97%	1.41%	0.71%	0.94%
Residential Therms	7,397,181	7,497,122	7,597,332	7,728,554	7,798,969	7,901,236	8,005,212	8,140,008	8,212,422	8,316,485
Commercial Therms	7,688,952	7,762,117	7,841,658	7,935,991	7,976,420	8,058,529	8,126,147	8,238,515	8,403,427	8,473,709
Industrial Therms	651,829	651,829	651,829	654,181	651,741	651,741	651,829	654,181	651,829	651,829
Ind., Inst., & Cmpl. Interp. Therms	1,191,430	1,191,430	1,191,430	1,198,388	1,191,314	1,191,314	1,191,430	1,198,343	1,191,430	1,191,430
Total Core Therms	16,929,393	17,102,499	17,282,250	17,514,114	17,618,445	17,802,820	17,974,619	18,222,472	18,459,109	18,633,454
Daily BaseLoad Therms	18,260	18,363	18,474	18,718	18,963	19,148	19,318	19,353	19,577	19,826
Peak Day Therms	199,506	199,613	201,857	205,864	208,184	210,470	212,807	212,611	217,989	219,999
Therms Per Residential Customer	3,114	3,114	3,114	3,126	3,113	3,113	3,114	3,126	3,114	3,114
Therms Per Commercial Customer	24,874	24,830	24,787	24,849	24,716	24,681	24,654	24,720	24,725	24,695
Therms Per Industrial Customer	108,943	108,943	108,943	109,289	108,929	108,929	108,943	109,289	108,943	108,943
Residential Customers	13,022	13,200	13,379	13,560	13,741	13,924	14,108	14,292	14,478	14,664
Commercial Customers	2,057	2,079	2,103	2,124	2,146	2,170	2,191	2,214	2,238	2,260
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	15,107	15,309	15,511	15,712	15,916	16,122	16,327	16,534	16,744	16,953

Zone ME-WA	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.78%	1.15%	1.19%	1.58%	0.72%	1.13%	1.20%	1.49%	0.71%	1.15%
Residential Therms	8,301,471	8,417,467	8,534,086	8,683,912	8,767,755	8,885,690	9,005,006	9,158,810	9,243,879	9,363,923
Commercial Therms	5,734,476	5,790,554	5,845,956	5,922,395	5,957,749	6,015,098	6,071,828	6,149,472	6,185,764	6,243,491
Industrial Therms	192,721	192,721	200,263	208,576	207,874	209,165	223,393	224,122	224,709	235,281
Ind., Inst., & Cmpl. Interp. Therms	733,182	732,977	732,977	738,969	732,977	733,182	733,182	738,869	732,977	732,977
Total Core Therms	14,961,850	15,133,719	15,313,282	15,554,753	15,666,355	15,843,135	16,033,408	16,272,274	16,387,330	16,575,671
Daily BaseLoad Therms	14,528	14,655	14,788	15,013	15,225	15,398	15,584	15,676	15,849	16,079
Peak Day Therms	188,397	189,389	191,777	194,676	196,992	199,358	201,887	202,615	206,412	203,286
Therms Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Therms Per Commercial Customer	3,905	3,900	3,894	3,901	3,877	3,877	3,872	3,880	3,862	3,857
Therms Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	13,167	13,351	13,536	13,721	13,908	14,095	14,283	14,472	14,662	14,852
Commercial Customers	1,468	1,485	1,501	1,518	1,534	1,551	1,568	1,585	1,602	1,619
Industrial Customers	21	21	22	22	22	23	24	24	24	25
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14,656	14,857	15,059	15,262	15,465	15,669	15,875	16,081	16,288	16,496

Appendix B
Demand Forecast
High Scenario

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Kennewick District										
Total Thems Pct. Growth	3.10%	3.32%	3.36%	3.54%	2.83%	3.03%	3.06%	3.46%	2.44%	2.85%
Residential Thems	27,118,649	28,231,031	29,358,161	30,617,228	31,652,472	32,822,534	34,011,252	35,343,444	36,421,778	37,649,929
Commercial Thems	21,250,447	21,804,806	22,382,217	22,974,793	23,460,981	23,975,688	24,542,669	25,253,802	25,991,781	26,275,278
Industrial Thems	464,940	426,806	426,806	428,556	445,338	452,570	452,593	454,487	437,015	417,354
Ind., Inst., & Cmdl. Interrup. Thems	217,844	217,844	217,844	219,207	217,844	217,844	217,844	219,295	217,844	217,844
Total Core Thems	49,051,881	50,680,487	52,385,028	54,239,784	55,776,636	57,468,636	59,224,358	61,273,027	62,768,419	64,558,405
Daily Baseload Thems	51,033	52,577	54,089	55,870	57,735	59,423	61,284	62,692	64,419	66,327
Peak Day Thems	656,839	674,715	697,327	723,946	747,457	771,147	795,627	814,462	844,575	877,893
Thems Per Residential Customer	1,748	1,748	1,748	1,755	1,748	1,748	1,748	1,755	1,748	1,748
Thems Per Commercial Customer	63,037	63,038	62,007	62,209	61,984	61,970	61,975	62,223	62,006	62,002
Thems Per Industrial Customer	58,032	59,939	59,939	60,203	59,912	59,911	59,914	60,191	61,336	61,270
Residential Customers	44,729	46,572	48,441	50,332	52,250	54,190	56,156	58,142	60,153	62,186
Commercial Customers	4,794	4,918	5,043	5,167	5,295	5,422	5,550	5,679	5,810	5,941
Industrial Customers	17	15	15	15	16	17	17	17	16	15
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	49,541	51,507	53,500	55,516	57,563	59,630	61,723	63,839	65,980	68,144

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Walla Walla District										
Total Thems Pct. Growth	0.78%	1.15%	1.19%	1.58%	0.72%	1.13%	1.20%	1.49%	0.71%	1.15%
Residential Thems	8,301,471	8,417,467	8,534,086	8,683,912	8,767,755	8,885,690	9,005,006	9,158,810	9,243,879	9,363,923
Commercial Thems	5,734,476	5,790,554	5,845,956	5,922,595	5,957,749	6,015,098	6,071,828	6,149,472	6,185,764	6,243,491
Industrial Thems	192,721	192,721	200,263	208,576	207,874	209,165	223,393	224,122	224,709	235,281
Ind., Inst., & Cmdl. Interrup. Thems	733,182	732,977	732,977	739,869	732,977	733,182	733,182	739,869	732,977	732,977
Total Core Thems	14,961,850	15,133,719	15,313,282	15,554,733	15,666,355	15,843,135	16,033,408	16,279,274	16,387,330	16,579,671
Daily Baseload Thems	14,528	14,655	14,788	15,013	15,225	15,398	15,584	15,786	15,849	16,079
Peak Day Thems	188,397	189,389	191,777	194,676	196,992	199,358	201,887	202,615	206,412	203,286
Thems Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Thems Per Commercial Customer	3,905	3,900	3,894	3,901	3,883	3,877	3,872	3,880	3,862	3,857
Thems Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	13,167	13,351	13,536	13,721	13,908	14,095	14,283	14,472	14,662	14,852
Commercial Customers	1,468	1,485	1,501	1,518	1,534	1,551	1,568	1,585	1,602	1,619
Industrial Customers	21	21	22	22	22	23	24	24	24	25
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14,656	14,857	15,059	15,262	15,465	15,669	15,875	16,081	16,288	16,496

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Wenatchee District										
Total Thems Pct. Growth	-0.42%	0.05%	0.06%	0.50%	-0.36%	0.07%	-0.02%	0.27%	-0.36%	-0.05%
Residential Thems	1,550,453	1,543,236	1,535,680	1,534,690	1,520,805	1,513,398	1,507,118	1,505,951	1,492,641	1,485,981
Commercial Thems	8,760,104	8,776,256	8,791,045	8,844,197	8,821,780	8,837,631	8,851,075	8,907,485	8,863,772	8,899,038
Industrial Thems	1,094,104	1,090,618	1,090,618	1,095,233	1,090,392	1,090,396	1,080,888	1,056,334	1,051,978	1,037,210
Ind., Inst., & Cmdl. Interrup. Thems	109,275	109,275	109,275	109,621	109,232	109,232	109,275	109,621	109,275	109,275
Total Core Thems	11,513,935	11,519,385	11,526,619	11,583,740	11,542,209	11,550,646	11,548,355	11,579,401	11,537,665	11,531,504
Daily Baseload Thems	12,341	12,281	12,213	12,265	12,351	12,360	12,349	12,251	12,260	12,341
Peak Day Thems	97,344	96,003	95,132	96,783	96,856	97,006	97,177	96,779	99,494	105,299
Thems Per Residential Customer	2,280	2,280	2,280	2,289	2,279	2,279	2,280	2,289	2,280	2,280
Thems Per Commercial Customer	28,796	28,711	28,646	28,714	28,496	28,428	28,395	28,432	28,251	28,194
Thems Per Industrial Customer	123,364	124,191	124,191	124,797	124,177	124,176	124,176	124,773	124,195	124,045
Residential Customers	2,893	2,877	2,862	2,846	2,831	2,816	2,801	2,786	2,771	2,756
Commercial Customers	1,452	1,456	1,459	1,463	1,468	1,472	1,475	1,479	1,483	1,487
Industrial Customers	36	35	35	35	35	35	35	34	34	33
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,381	4,369	4,357	4,346	4,335	4,323	4,312	4,300	4,289	4,278

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Yakima District										
Total Thems Pct. Growth	0.35%	0.66%	0.65%	1.02%	0.21%	0.62%	0.93%	1.01%	0.20%	0.61%
Residential Thems	17,830,484	17,890,623	17,943,258	18,062,830	18,027,323	18,065,859	18,105,090	18,212,437	18,170,481	18,200,662
Commercial Thems	21,353,179	21,584,627	21,821,764	22,141,663	22,291,176	22,531,368	22,890,949	23,218,998	23,368,429	23,614,324
Industrial Thems	5,198,722	5,203,057	5,203,080	5,223,184	5,206,235	5,211,642	5,238,169	5,271,258	5,299,055	5,287,672
Ind., Inst., & Cmdl. Interrup. Thems	144,075	144,075	144,075	144,618	144,075	144,075	144,075	144,674	144,075	144,075
Total Core Thems	44,526,460	44,822,382	45,112,176	45,572,295	45,668,809	45,952,344	46,378,284	46,847,140	46,942,040	47,226,733
Daily Baseload Thems	42,287	42,269	42,237	42,999	43,498	43,755	44,135	44,158	44,386	44,896
Peak Day Thems	465,392	460,297	463,463	474,570	477,272	480,503	484,545	479,729	491,460	499,615
Thems Per Residential Customer	5,210	5,210	5,210	5,232	5,209	5,209	5,210	5,232	5,210	5,210
Thems Per Commercial Customer	34,503	34,448	34,377	34,444	34,248	34,186	34,161	34,220	34,049	33,980
Thems Per Industrial Customer	207,433	207,435	207,437	207,993	207,311	207,310	206,831	207,417	206,734	206,422
Residential Customers	27,866	27,965	28,052	28,129	28,198	28,264	28,324	28,382	28,437	28,489
Commercial Customers	5,688	5,757	5,826	5,896	5,966	6,037	6,109	6,179	6,250	6,322
Industrial Customers	142	142	142	142	142	142	142	143	143	143
Interruptible Customers	3	3	3	3	3	3	3	3	3	3
Total Core Customers	33,699	33,866	34,023	34,170	34,309	34,445	34,579	34,707	34,832	34,957

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Central Oregon (Bend) District										
Total Thems Pct. Growth	2.56%	2.94%	2.88%	3.27%	2.35%	2.76%	2.71%	3.18%	2.20%	2.68%
Residential Thems	52,936,480	54,832,577	56,752,792	58,944,910	60,655,528	62,643,787	64,662,064	66,977,317	68,751,582	70,829,430
Commercial Thems	23,106,432	23,453,136	23,794,246	24,256,610	24,494,913	24,843,453	25,218,676	25,781,118	26,037,108	26,493,469
Industrial Thems	2,446,759	2,523,838	2,595,486	2,669,257	2,744,894	2,838,918	2,904,114	2,982,808	3,070,295	3,167,163
Ind., Inst., & Cmdl. Interrup. Thems	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Thems	78,787,157	81,107,038	83,440,011	86,169,880	88,192,822	90,623,645	93,082,342	96,040,371	98,156,472	100,787,549
Daily Baseload Thems	68,648	71,390	73,179	75,503	77,913	80,054	82,187	83,745	85,931	88,695
Peak Day Thems	955,886	975,488	1,003,540	1,040,065	1,069,141	1,098,311	1,127,711	1,148,183	1,192,971	1,223,976
Thems Per Residential Customer	7,442	7,437	7,432	7,460	7,422	7,418	7,414	7,442	7,406	7,402
Thems Per Commercial Customer	36,935	36,884	36,871	36,976	36,808	36,756	36,780	37,008	36,829	36,829
Thems Per Industrial Customer	107,585	106,774	105,819	106,084	105,453	105,324	105,184	105,278	104,186	103,666
Residential Customers	71,239	73,773	76,338	78,935	81,560	84,217	86,905	89,621	92,368	95,143
Commercial Customers										

Appendix B
Demand Forecast
High Scenario

Pendleton District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.71%	1.02%	1.05%	1.34%	0.60%	1.05%	0.97%	1.41%	1.27%	0.94%
Residential Therms	7,997,181	7,497,122	7,997,332	7,728,554	7,998,969	7,901,236	8,005,212	8,140,008	8,212,422	8,316,485
Commercial Therms	7,688,952	7,762,117	7,841,658	7,935,991	7,976,420	8,068,529	8,126,147	8,238,515	8,403,427	8,473,709
Industrial Therms	651,829	651,829	651,829	654,181	651,741	651,741	651,829	651,181	651,829	651,829
Ind., Inst., & Cmcl. Interrup. Therms	1,191,430	1,191,430	1,191,430	1,195,388	1,191,314	1,191,314	1,191,430	1,195,343	1,191,430	1,191,430
Total Core Therms	16,929,393	17,102,499	17,282,250	17,514,114	17,618,445	17,802,820	17,974,619	18,228,047	18,459,109	18,633,454
Daily Baseload Therms	18,260	18,363	18,474	18,718	18,963	19,148	19,318	19,533	19,777	19,826
Peak Day Therms	199,506	199,613	201,857	206,864	208,184	210,470	212,807	212,611	217,999	219,999
Therms Per Residential Customer	3,114	3,114	3,114	3,126	3,113	3,113	3,114	3,126	3,114	3,114
Therms Per Commercial Customer	24,874	24,830	24,787	24,849	24,716	24,681	24,654	24,720	24,725	24,695
Therms Per Industrial Customer	108,943	108,943	108,943	109,289	108,929	108,929	108,943	109,289	108,943	108,943
Residential Customers	13,022	13,200	13,379	13,560	13,741	13,924	14,108	14,292	14,478	14,664
Commercial Customers	2,057	2,079	2,103	2,124	2,146	2,170	2,191	2,214	2,238	2,260
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	15,107	15,309	15,511	15,712	15,916	16,122	16,327	16,534	16,744	16,953

Eastern Oregon (Ontario) District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.24%	0.63%	0.63%	1.04%	0.20%	0.63%	0.64%	1.04%	0.20%	0.62%
Residential Therms	4,760,524	4,801,747	4,843,147	4,905,748	4,925,973	4,988,065	5,010,992	5,075,058	5,095,934	5,139,238
Commercial Therms	4,572,132	4,552,727	4,578,378	4,623,239	4,629,216	4,655,166	4,681,293	4,727,114	4,732,958	4,758,475
Industrial Therms	233,363	233,363	233,363	233,849	233,363	233,363	233,363	233,982	233,363	233,363
Ind., Inst., & Cmcl. Interrup. Therms	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Therms	10,560,392	10,627,210	10,694,261	10,805,822	10,827,715	10,895,757	10,965,021	11,074,141	11,011,628	11,170,448
Daily Baseload Therms	8,058	8,045	8,032	8,130	8,227	8,270	8,312	8,283	8,294	8,393
Peak Day Therms	114,104	113,326	114,093	116,279	117,057	117,850	118,639	118,274	122,845	116,048
Therms Per Residential Customer	1,627	1,627	1,627	1,634	1,626	1,626	1,627	1,634	1,627	1,627
Therms Per Commercial Customer	8,014	8,013	8,013	8,045	8,010	8,010	8,010	8,043	8,009	8,008
Therms Per Industrial Customer	35,299	35,299	35,299	35,414	35,299	35,299	35,299	35,443	35,299	37,096
Residential Customers	7,888	7,955	8,023	8,092	8,229	8,298	8,368	8,368	8,437	8,508
Commercial Customers	1,539	1,549	1,558	1,567	1,576	1,585	1,594	1,604	1,612	1,621
Industrial Customers	24	24	24	24	24	24	24	24	24	23
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	9,452	9,528	9,605	9,684	9,761	9,839	9,917	9,996	10,074	10,154

Oregon	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	2.03%	2.41%	2.37%	2.78%	1.88%	2.30%	2.26%	2.73%	1.89%	2.25%
Residential Therms	65,094,186	67,131,447	69,168,271	71,579,212	73,980,470	75,513,088	77,678,269	80,192,383	82,059,938	84,285,163
Commercial Therms	35,322,516	35,767,980	36,214,283	36,815,839	37,100,550	37,557,148	38,026,116	38,746,748	39,173,493	39,725,652
Industrial Therms	3,331,951	3,409,031	3,480,679	3,557,287	3,629,998	3,724,023	3,789,307	3,870,971	3,955,488	4,052,355
Ind., Inst., & Cmcl. Interrup. Therms	2,528,290	2,528,289	2,528,289	2,537,477	2,527,964	2,527,964	2,528,290	2,537,456	2,528,290	2,528,290
Total Core Therms	106,276,943	108,836,747	111,416,521	114,489,811	116,638,962	119,322,222	122,021,962	125,347,559	127,717,209	130,591,450
Daily Baseload Therms	95,965	97,799	99,685	102,351	105,103	107,471	109,816	111,351	113,801	116,914
Peak Day Therms	1,269,496	1,288,427	1,319,490	1,362,208	1,394,382	1,426,630	1,459,157	1,479,068	1,533,806	1,559,024
Therms Per Residential Customer	12,182	12,177	12,172	12,219	12,162	12,158	12,155	12,202	12,146	12,143
Therms Per Commercial Customer	69,823	69,727	69,671	69,871	69,533	69,447	69,444	69,771	69,532	69,532
Therms Per Industrial Customer	251,827	251,016	250,061	250,788	249,682	249,553	249,426	250,009	248,428	249,705
Residential Customers	92,149	94,928	97,741	100,586	103,422	106,370	109,311	112,281	115,283	118,315
Commercial Customers	11,749	11,911	12,070	12,230	12,390	12,554	12,715	12,880	13,044	13,210
Industrial Customers	176	180	186	189	194	199	203	207	214	219
Interruptible Customers	4	4	4	4	4	4	4	4	4	4
Total Core Customers	104,078	107,024	110,000	113,010	116,049	119,127	122,233	125,372	128,545	131,747

Washington	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.19%	1.55%	1.57%	1.88%	1.13%	1.45%	1.54%	1.83%	1.05%	1.43%
Residential Therms	157,500,824	160,255,945	163,031,639	166,448,924	168,800,177	171,424,462	174,288,061	177,823,868	180,030,549	182,933,470
Commercial Therms	117,361,151	119,055,338	120,839,988	122,896,530	124,177,464	125,789,182	127,660,591	129,844,461	130,992,654	132,689,456
Industrial Therms	11,776,113	11,794,893	11,846,710	11,947,887	11,955,305	11,981,216	12,049,812	12,108,224	12,162,945	12,207,945
Ind., Inst., & Cmcl. Interrup. Therms	2,149,296	2,149,091	2,149,091	2,162,665	2,149,048	2,149,263	2,149,296	2,162,749	2,149,091	2,149,091
Total Core Therms	288,787,383	293,255,267	297,867,427	303,458,006	306,881,955	311,344,113	316,147,760	321,939,302	325,352,443	329,979,962
Daily Baseload Therms	282,071	285,256	288,371	294,137	299,766	304,203	308,793	310,955	315,490	321,242
Peak Day Therms	3,034,729	3,047,962	3,100,089	3,182,714	3,235,041	3,287,074	3,341,616	3,361,073	3,451,401	3,513,143
Therms Per Residential Customer	20,203	20,203	20,213	20,296	20,207	20,206	20,209	20,287	20,208	20,207
Therms Per Commercial Customer	184,009	183,768	182,655	183,193	182,322	182,157	182,115	182,647	181,572	181,335
Therms Per Industrial Customer	805,096	807,833	807,833	810,664	807,553	809,114	808,675	811,620	809,998	809,469
Residential Customers	232,202	236,386	240,597	244,829	249,091	253,385	257,708	262,060	266,444	270,863
Commercial Customers	30,958	31,407	31,859	32,311	32,771	33,228	33,690	34,151	34,617	35,085
Industrial Customers	480	481	484	488	492	493	498	499	502	505
Interruptible Customers	8	8	8	8	8	7	7	7	7	7
Total Core Customers	263,649	268,282	272,949	277,637	282,362	287,113	291,903	296,717	301,570	306,460

System	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.41%	1.78%	1.79%	2.12%	1.33%	1.69%	1.74%	2.08%	1.29%	1.66%
Residential Therms	222,595,009	227,387,391	232,224,909	238,028,136	241,980,647	246,937,550	251,966,330	258,016,251	262,090,487	267,218,623
Commercial Therms	152,883,666	154,823,318	157,054,270	159,712,369	161,278,014	163,346,330	165,686,707	168,591,209	170,166,147	172,415,109
Industrial Therms	15,108,064	15,203,924	15,327,388	15,505,174	15,585,304	15,705,239	15,839,119	15,979,195	16,118,428	16,260,300
Ind., Inst., & Cmcl. Interrup. Therms	4,677,586	4,677,381	4,677,381	4,700,141	4,677,012	4,677,217	4,677,586	4,700,206	4,677,381	4,677,381
Total Core Therms	395,064,326	402,092,014	409,283,949	417,945,821	423,520,976	430,666,335	438,169,742	447,286,861	453,052,443	460,571,412
Daily Baseload Therms	378,036	383,055	388,055	396,487	404,869	411,674	418,609	422,306	429,291	438,156
Peak Day Therms	4,304,225	4,336,389	4,419,579	4,544,922	4,629,423	4,713,704	4,800,774	4,840,140	4,985,207	5,072,167
Therms Per Residential Customer	32,386	32,380	32,385	32,515	32,369	32,363	32,364	32,489	32,354	32,349
Therms Per Commercial Customer	253,832	253,495	252,326	253,064	251,857	251,603	251,560	252,418	251,168	250,867
Therms Per Industrial Customer	1,056,923	1,058,849	1,057,894	1,061,451	1,057,235	1,058,666	1,058,100	1,061,630	1,058,426	1,059,174
Residential Customers	324,352	331,315								

**Appendix B
Demand Forecast
Low Scenario**

Hermiston	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.70%	-0.07%	0.32%	0.42%	0.81%	-0.03%	0.40%	0.41%	0.76%
Residential Thems	2,357,599	2,378,956	2,381,275	2,393,705	2,409,252	2,433,572	2,434,593	2,447,614	2,462,284	2,485,604
Commercial Thems	2,874,433	2,890,711	2,885,308	2,890,847	2,898,728	2,918,711	2,917,218	2,926,620	2,935,410	2,954,277
Industrial Thems	285,101	286,073	285,101	285,070	285,070	286,073	285,101	285,101	285,101	286,011
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,517,133	5,555,740	5,551,684	5,569,622	5,593,050	5,638,356	5,636,913	5,659,335	5,682,795	5,725,891
Daily BaseLoad Thems	6,119	6,111	6,155	6,202	6,227	6,225	6,219	6,244	6,296	6,350
Peak Day Thems	68,624	69,142	69,360	69,609	69,919	68,848	69,096	70,210	70,518	70,829
Thems Per Residential Customer	624	627	624	624	624	627	624	624	624	626
Thems Per Commercial Customer	3,987	4,001	3,985	3,984	3,982	3,986	3,980	3,978	3,977	3,988
Thems Per Industrial Customer	35,638	35,759	35,638	35,634	35,634	35,759	35,638	35,638	35,638	35,751
Residential Customers	3,777	3,797	3,815	3,836	3,860	3,884	3,900	3,921	3,945	3,968
Commercial Customers	721	723	724	726	728	730	733	736	738	741
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,506	4,527	4,547	4,569	4,596	4,622	4,641	4,665	4,691	4,717

Huntington	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.65%	-0.27%	0.17%	0.35%	0.80%	-0.16%	0.30%	0.26%	0.67%
Residential Thems	51,562	51,954	51,868	52,012	52,299	52,820	52,828	53,077	53,293	53,720
Commercial Thems	30,428	30,569	30,428	30,424	30,424	30,569	30,428	30,428	30,428	30,560
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	81,990	82,523	82,296	82,436	82,723	83,389	83,256	83,506	83,721	84,280
Daily BaseLoad Thems	13	12	13	13	13	13	12	12	13	13
Peak Day Thems	6,958	7,013	7,016	7,018	7,022	6,973	6,977	7,034	7,037	7,040
Thems Per Residential Customer	411	413	411	411	411	413	411	411	411	413
Thems Per Commercial Customer	2,029	2,038	2,029	2,028	2,028	2,029	2,029	2,029	2,029	2,037
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	126	126	126	127	127	128	129	129	130	130
Commercial Customers	15	15	15	15	15	15	15	15	15	15
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	141	141	141	142	142	143	144	144	145	145

La Pine	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.17%	0.55%	0.74%	0.86%	1.13%	0.49%	0.75%	0.77%	1.17%
Residential Thems	138,306	141,017	142,603	144,727	146,899	149,653	151,124	153,188	155,158	157,680
Commercial Thems	364,143	367,325	368,513	370,179	372,444	375,550	376,646	378,541	380,648	384,392
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	502,449	508,342	511,117	514,906	519,343	525,203	527,770	531,730	535,806	542,071
Daily BaseLoad Thems	518	515	527	538	542	539	537	541	552	564
Peak Day Thems	2,531	2,624	2,650	2,675	2,701	2,810	2,834	2,924	2,947	3,069
Thems Per Residential Customer	617	619	617	616	616	619	617	617	617	619
Thems Per Commercial Customer	2,785	2,797	2,785	2,784	2,784	2,797	2,785	2,785	2,785	2,795
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	224	228	231	235	238	242	245	248	252	255
Commercial Customers	131	131	132	133	134	134	135	136	137	138
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	355	359	364	368	372	376	380	384	388	392

Madras	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.82%	-0.16%	0.38%	0.38%	0.84%	-0.12%	0.29%	0.31%	0.71%
Residential Thems	679,690	687,901	689,785	694,747	699,849	708,342	710,125	715,121	720,038	727,797
Commercial Thems	1,174,154	1,183,789	1,182,464	1,188,353	1,193,873	1,203,955	1,203,244	1,206,417	1,210,341	1,218,607
Industrial Thems	608,083	611,090	608,083	607,879	607,879	611,090	608,083	608,083	608,083	610,680
Ind., Inst., & Cmdl. Interrup. Thems	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,076
Total Core Thems	2,759,414	2,782,160	2,777,818	2,788,465	2,799,087	2,822,461	2,818,939	2,822,108	2,835,949	2,856,176
Daily BaseLoad Thems	2,539	2,521	2,552	2,585	2,595	2,576	2,563	2,571	2,602	2,626
Peak Day Thems	29,814	30,603	30,706	30,838	30,962	30,381	30,489	31,282	31,385	32,785
Thems Per Residential Customer	568	570	568	568	568	570	568	568	568	570
Thems Per Commercial Customer	3,128	3,141	3,128	3,127	3,127	3,141	3,128	3,128	3,128	3,139
Thems Per Industrial Customer	35,770	35,946	35,770	35,758	35,758	35,946	35,770	35,770	35,770	35,922
Residential Customers	1,197	1,206	1,215	1,224	1,233	1,242	1,251	1,259	1,268	1,276
Commercial Customers	375	377	378	380	382	383	385	386	387	388
Industrial Customers	17	17	17	17	17	17	17	17	17	17
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,590	1,601	1,611	1,622	1,633	1,643	1,653	1,663	1,673	1,683

Milton-Freewater	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.56%	-0.05%	0.17%	0.45%	0.73%	-0.09%	0.45%	0.44%	0.88%
Residential Thems	101,422	102,374	102,424	102,964	103,617	104,719	104,714	105,288	105,927	106,883
Commercial Thems	296,133	297,474	297,337	297,548	298,859	300,829	300,547	301,969	303,264	304,799
Industrial Thems	34,468	34,592	34,468	34,454	34,454	34,592	34,468	34,468	34,468	34,565
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	432,023	434,440	434,228	434,966	436,931	440,140	439,729	441,724	443,660	446,247
Daily BaseLoad Thems	454	448	456	463	465	460	454	456	464	472
Peak Day Thems	6,367	6,447	6,466	6,480	6,507	6,579	6,579	6,799	6,825	5,451
Thems Per Residential Customer	433	435	433	433	433	435	433	433	433	435
Thems Per Commercial Customer	2,893	2,903	2,893	2,891	2,891	2,903	2,893	2,893	2,893	2,901
Thems Per Industrial Customer	6,894	6,918	6,894	6,891	6,891	6,918	6,894	6,894	6,894	6,913
Residential Customers	234	235	236	238	239	241	242	243	245	246
Commercial Customers	102	102	103	103	103	104	104	104	105	105
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	342	343	344	346	348	349	351	352	354	356

**Appendix B
Demand Forecast
Low Scenario**

Mission Tap	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.08%	-0.05%	0.14%	0.24%	0.93%	0.08%	0.14%	0.56%	0.92%
Residential Thems	119,116	120,230	120,300	120,987	121,781	122,934	122,983	123,677	124,432	125,624
Commercial Thems	353,658	357,629	357,328	357,328	357,659	360,951	361,286	361,286	363,249	366,531
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	472,774	477,859	477,628	478,315	479,440	483,885	484,268	484,962	487,681	492,155
Daily BaseLoad Thems	511	515	516	517	518	521	523	524	527	530
Peak Day Thems	1,801	1,823	1,829	1,838	1,848	1,843	1,850	1,872	1,882	1,891
Thems Per Residential Customer	541	543	541	541	541	543	541	541	541	543
Thems Per Commercial Customer	8,030	8,059	8,030	8,030	8,030	8,059	8,030	8,030	8,030	8,059
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	220	222	223	224	225	227	227	229	230	231
Commercial Customers	44	44	44	44	45	45	45	45	45	45
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	264	266	267	268	270	271	272	274	275	277

Nyssa-Ontario	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.59%	-0.20%	0.19%	0.20%	0.60%	-0.15%	0.21%	0.29%	0.61%
Residential Thems	2,131,213	2,145,161	2,141,160	2,145,997	2,151,041	2,165,481	2,160,872	2,165,510	2,170,185	2,183,589
Commercial Thems	2,622,229	2,639,492	2,635,442	2,642,180	2,649,137	2,666,670	2,665,861	2,673,766	2,680,306	2,696,265
Industrial Thems	170,907	171,191	170,907	170,907	170,907	171,179	170,907	170,907	177,001	179,724
Ind., Inst., & Cmcl. Interrup. Thems	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,566
Total Core Thems	5,963,721	5,998,830	5,986,881	5,998,246	6,010,247	6,046,316	6,037,002	6,049,555	6,068,865	6,104,145
Daily BaseLoad Thems	5,430	5,406	5,448	5,491	5,500	5,469	5,448	5,488	5,500	5,544
Peak Day Thems	54,783	55,684	55,821	55,966	56,107	55,595	55,745	56,745	56,903	57,175
Thems Per Residential Customer	576	579	576	576	576	579	576	576	576	579
Thems Per Commercial Customer	2,865	2,876	2,865	2,864	2,864	2,875	2,864	2,863	2,863	2,873
Thems Per Industrial Customer	8,545	8,560	8,545	8,545	8,545	8,559	8,545	8,545	8,777	8,768
Residential Customers	3,697	3,705	3,714	3,723	3,732	3,740	3,748	3,756	3,764	3,773
Commercial Customers	915	918	920	923	925	927	931	934	936	939
Industrial Customers	20	20	20	20	20	20	20	20	20	20
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,633	4,644	4,655	4,667	4,678	4,689	4,700	4,711	4,722	4,733

Pendleton	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.70%	-0.10%	0.31%	0.41%	0.80%	-0.06%	0.37%	0.40%	0.75%
Residential Thems	2,921,460	2,948,400	2,950,775	2,966,285	2,985,494	3,015,994	3,016,867	3,033,010	3,051,134	3,080,709
Commercial Thems	2,589,302	2,604,527	2,599,095	2,604,206	2,611,990	2,630,710	2,629,381	2,637,990	2,646,567	2,664,377
Industrial Thems	188,686	189,548	188,686	188,662	188,662	188,548	188,686	188,686	188,686	189,499
Ind., Inst., & Cmcl. Interrup. Thems	844,704	847,250	844,704	844,588	844,588	847,250	844,704	844,704	844,704	847,018
Total Core Thems	6,544,152	6,589,725	6,583,259	6,603,740	6,630,733	6,683,503	6,679,637	6,704,390	6,731,091	6,781,603
Daily BaseLoad Thems	6,663	6,654	6,696	6,741	6,764	6,760	6,752	6,773	6,823	6,873
Peak Day Thems	75,909	76,917	77,174	77,467	77,835	77,404	77,695	78,778	79,141	79,514
Thems Per Residential Customer	582	584	582	582	582	584	582	582	582	584
Thems Per Commercial Customer	3,398	3,411	3,397	3,396	3,395	3,408	3,394	3,393	3,392	3,404
Thems Per Industrial Customer	31,448	31,591	31,448	31,444	31,444	31,591	31,448	31,448	31,448	31,583
Residential Customers	5,023	5,049	5,074	5,101	5,134	5,165	5,187	5,215	5,246	5,277
Commercial Customers	762	764	765	767	769	772	775	777	780	783
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	5,792	5,820	5,846	5,875	5,910	5,944	5,969	5,999	6,033	6,067

Prineville	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.15%	0.29%	0.86%	0.70%	1.18%	0.37%	0.69%	0.67%	1.17%
Residential Thems	1,268,314	1,287,895	1,295,437	1,308,267	1,321,380	1,341,054	1,347,824	1,360,592	1,373,261	1,391,205
Commercial Thems	1,431,836	1,445,298	1,446,667	1,456,256	1,464,186	1,479,420	1,481,210	1,489,683	1,497,913	1,512,022
Industrial Thems	253,366	254,416	254,046	257,386	257,386	258,508	261,468	261,466	261,466	266,078
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	2,953,516	2,987,609	2,996,149	3,021,910	3,042,953	3,078,983	3,090,503	3,111,742	3,132,638	3,169,304
Daily BaseLoad Thems	2,148	2,130	2,176	2,229	2,243	2,224	2,211	2,225	2,272	2,324
Peak Day Thems	37,982	39,307	39,610	39,967	40,259	39,459	39,733	41,114	41,403	41,728
Thems Per Residential Customer	501	504	501	501	501	504	501	501	501	503
Thems Per Commercial Customer	2,728	2,739	2,725	2,722	2,720	2,732	2,717	2,716	2,714	2,723
Thems Per Industrial Customer	8,251	8,285	8,251	8,249	8,249	8,285	8,251	8,251	8,251	8,281
Residential Customers	2,529	2,557	2,583	2,610	2,636	2,662	2,688	2,713	2,739	2,764
Commercial Customers	528	528	531	535	538	542	545	549	552	555
Industrial Customers	31	31	31	31	31	31	32	32	32	32
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	3,085	3,115	3,145	3,176	3,206	3,235	3,265	3,294	3,322	3,351

Redmond	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.68%	0.74%	1.19%	1.08%	1.64%	0.61%	1.09%	1.08%	1.40%
Residential Thems	4,541,321	4,633,719	4,683,997	4,754,024	4,824,099	4,916,166	4,962,010	5,028,971	5,094,985	5,181,334
Commercial Thems	3,021,833	3,054,876	3,059,568	3,075,619	3,091,458	3,121,688	3,125,592	3,142,885	3,159,782	3,189,689
Industrial Thems	613,282	624,883	631,730	645,267	651,159	669,694	672,922	684,232	696,748	706,188
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	8,176,436	8,313,477	8,375,295	8,474,909	8,566,717	8,707,548	8,760,523	8,856,088	8,951,516	9,077,212
Daily BaseLoad Thems	6,304	6,335	6,459	6,590	6,660	6,695	6,715	6,792	6,920	7,037
Peak Day Thems	103,933	106,705	107,954	109,207	110,387	110,056	111,216	113,967	115,151	116,155
Thems Per Residential Customer	608	610	608	608	608	610	608	608	608	610
Thems Per Commercial Customer	2,544	2,555	2,543	2,542	2,542	2,544	2,542	2,542	2,542	2,552
Thems Per Industrial Customer	37,740	37,880	37,740	37,740	37,740	37,880	37,740	37,740	37,740	37,880
Residential Customers	7,472	7,590	7,707	7,823	7,939	8,053	8,164	8,274	8,383	8,490
Commercial Customers	1,188	1,196	1,203	1,210	1,216	1,222	1,229	1,236	1,243	1,250
Industrial Customers	16	16	17	17	17	18	18	18	18	19
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	8,676	8,802	8,927	9,050	9,172	9,293	9,411	9,529	9,645	9,759

**Appendix B
Demand Forecast
Low Scenario**

Stanfield	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.85%	0.16%	0.48%	0.42%	0.80%	0.17%	0.56%	0.40%	0.79%
Residential Therms	148,133	149,383	149,536	150,421	151,319	152,791	152,897	153,762	154,642	156,124
Commercial Therms	62,600	63,137	63,329	63,474	63,474	63,720	63,979	64,337	64,337	64,587
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	210,733	212,520	212,865	213,895	214,793	216,511	216,876	218,099	218,978	220,711
Daily BaseLoad Therms	175	175	176	177	178	179	180	181	181	182
Peak Day Therms	8,089	8,198	8,391	8,492	8,503	8,412	8,420	8,535	8,547	8,559
Therms Per Residential Customer	459	461	459	459	459	461	459	459	459	461
Therms Per Commercial Customer	1,755	1,762	1,755	1,755	1,755	1,762	1,755	1,755	1,755	1,762
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	323	324	326	328	330	332	333	335	337	339
Commercial Customers	36	36	36	36	36	36	36	37	37	37
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	358	360	362	364	366	368	370	372	374	376

Stearns (Sunriver)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.77%	0.92%	1.47%	1.42%	1.84%	0.78%	1.18%	1.15%	1.54%
Residential Therms	3,766,353	3,842,233	3,885,145	3,944,448	4,002,713	4,077,244	4,116,549	4,172,214	4,227,184	4,299,952
Commercial Therms	1,064,267	1,074,860	1,077,766	1,083,950	1,089,542	1,099,300	1,101,041	1,107,577	1,113,890	1,124,116
Industrial Therms	49,313	49,442	49,313	57,280	65,751	65,916	65,751	65,751	65,751	65,935
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,879,934	4,966,534	5,012,224	5,085,678	5,158,106	5,242,460	5,283,340	5,345,542	5,406,825	5,490,004
Daily BaseLoad Therms	5,452	5,531	5,590	5,649	5,753	5,828	5,902	5,967	6,021	6,074
Peak Day Therms	55,555	56,066	56,843	57,615	58,371	59,420	60,160	60,596	61,318	62,031
Therms Per Residential Customer	1,003	1,007	1,003	1,003	1,003	1,007	1,003	1,003	1,003	1,007
Therms Per Commercial Customer	4,666	4,682	4,666	4,667	4,667	4,682	4,666	4,666	4,666	4,683
Therms Per Industrial Customer	16,438	16,481	16,438	17,624	18,882	18,930	18,882	18,882	18,882	18,935
Residential Customers	3,755	3,814	3,873	3,932	3,990	4,048	4,104	4,159	4,214	4,268
Commercial Customers	228	230	231	232	233	235	236	237	239	240
Industrial Customers	3	3	3	3	3	3	3	3	3	3
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	3,986	4,047	4,107	4,168	4,227	4,286	4,343	4,400	4,456	4,512

Pronghorn	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.58%	0.38%	0.77%	0.87%	1.71%	0.90%	0.80%	0.74%	1.66%
Residential Therms	382,601	388,839	392,082	396,870	401,633	407,942	410,953	415,490	420,038	426,139
Commercial Therms	233,653	237,173	236,334	236,356	237,113	241,722	244,584	245,316	245,681	250,623
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	616,254	626,012	628,416	633,226	638,746	649,664	655,537	660,806	665,719	676,762
Daily BaseLoad Therms	708	718	722	725	731	743	754	760	764	772
Peak Day Therms	10,369	10,503	10,555	10,607	10,660	10,633	10,683	10,812	10,862	10,911
Therms Per Residential Customer	1,601	1,608	1,601	1,602	1,602	1,608	1,601	1,601	1,601	1,608
Therms Per Commercial Customer	9,269	9,302	9,269	9,270	9,270	9,302	9,269	9,269	9,269	9,303
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	239	242	245	248	251	254	257	259	262	265
Commercial Customers	25	25	25	25	26	26	26	26	27	27
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	264	267	270	273	276	280	283	286	289	292

Bend Loop	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		2.85%	1.14%	2.11%	1.81%	2.74%	1.04%	1.95%	1.68%	2.59%
Residential Therms	153,564	159,541	163,223	168,196	173,169	179,501	183,137	188,110	193,083	199,470
Commercial Therms	132,243	134,406	134,072	135,369	135,898	138,050	137,727	139,016	139,553	141,765
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	285,807	293,947	297,295	303,564	309,067	317,551	320,864	327,126	332,636	341,235
Daily BaseLoad Therms	61	61	62	63	64	61	62	63	64	60
Peak Day Therms	4,337	4,238	4,278	4,306	4,345	4,927	4,981	5,020	5,073	6,826
Therms Per Residential Customer	505	516	520	528	536	548	551	558	566	577
Therms Per Commercial Customer	3,084	3,111	3,091	3,098	3,098	3,124	3,106	3,112	3,113	3,140
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	304	309	314	318	323	328	332	337	341	346
Commercial Customers	43	43	43	44	44	44	44	45	45	45
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	347	352	357	362	367	372	377	382	386	391

McCleary (Aberdeen/Hoquiam)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.70%	0.81%	1.20%	1.18%	1.86%	0.70%	1.11%	1.08%	1.47%
Residential Therms	23,085,737	23,549,969	23,813,569	24,173,306	24,530,694	24,990,126	25,231,844	25,573,179	25,910,167	26,347,243
Commercial Therms	11,806,757	11,926,819	11,946,486	12,009,093	12,069,121	12,284,388	12,297,785	12,362,504	12,426,969	12,542,303
Industrial Therms	349,221	362,408	370,636	381,693	394,306	408,659	418,814	432,246	445,678	461,577
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	35,241,715	35,839,196	36,130,690	36,564,091	36,994,120	37,683,174	37,948,444	38,367,930	38,782,813	39,351,124
Daily BaseLoad Therms	31,298	31,576	32,077	32,554	32,937	33,366	33,628	33,999	34,482	34,945
Peak Day Therms	415,036	423,603	428,887	434,113	439,238	441,137	446,150	454,747	459,688	464,683
Therms Per Residential Customer	769	772	769	769	769	772	769	769	769	772
Therms Per Commercial Customer	2,794	2,805	2,792	2,791	2,791	2,825	2,812	2,812	2,811	2,821
Therms Per Industrial Customer	13,673	13,943	14,064	14,290	14,527	14,825	14,966	15,202	15,435	15,748
Residential Customers	30,018	30,495	30,965	31,435	31,900	32,360	32,809	33,253	33,691	34,124
Commercial Customers	4,226	4,252	4,278	4,302	4,325	4,348	4,373	4,397	4,421	4,446
Industrial Customers	26	26	26	27	27	28	28	28	29	29
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	34,270	34,773	35,269	35,765	36,252	36,735	37,209	37,678	38,141	38,598

Appendix B
Demand Forecast
Low Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Acme										
Total Thems Pct. Growth		0.40%	-0.35%	-0.04%	-0.06%	0.37%	-0.37%	0.00%	0.00%	0.31%
Residential Thems	2,554,804	2,566,194	2,557,721	2,556,307	2,551,876	2,560,082	2,550,129	2,550,734	2,550,018	2,558,381
Commercial Thems	2,976,448	2,986,963	2,976,025	2,975,511	2,976,793	2,988,960	2,978,726	2,978,159	2,978,871	2,987,512
Industrial Thems	137,594	138,262	137,594	137,526	137,526	138,262	137,594	137,594	137,594	138,126
Ind., Inst., & Cmpl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,668,846	5,691,419	5,671,340	5,669,344	5,666,195	5,687,304	5,666,448	5,666,486	5,666,482	5,684,019
Daily Baseload Thems	5,584	5,529	5,586	5,642	5,640	5,583	5,527	5,527	5,583	5,639
Peak Day Thems	48,895	50,455	50,465	50,462	50,428	48,868	48,869	50,412	50,411	50,413
Thems Per Residential Customer	721	724	721	721	721	724	721	721	721	723
Thems Per Commercial Customer	4,036	4,051	4,036	4,035	4,035	4,050	4,036	4,036	4,035	4,047
Thems Per Industrial Customer	9,828	9,876	9,828	9,823	9,823	9,876	9,828	9,828	9,828	9,866
Residential Customers	3,544	3,547	3,548	3,547	3,541	3,538	3,538	3,539	3,538	3,538
Commercial Customers	737	737	737	737	738	738	738	738	738	738
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,296	4,298	4,300	4,299	4,293	4,290	4,290	4,291	4,290	4,290

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Arlington										
Total Thems Pct. Growth		0.55%	0.07%	1.84%	0.84%	0.80%	0.01%	0.10%	0.34%	0.73%
Residential Thems	50,746	51,093	51,285	51,557	51,651	52,230	52,378	52,470	52,778	53,318
Commercial Thems	36,546	36,675	36,546	37,892	38,545	38,689	38,553	38,553	38,553	38,674
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmpl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	87,292	87,768	87,831	89,449	90,196	90,919	90,931	91,023	91,330	91,993
Daily Baseload Thems	72	71	72	74	75	75	74	74	75	76
Peak Day Thems	3,756	3,981	3,985	3,988	3,989	3,769	3,773	3,997	4,000	4,004
Thems Per Residential Customer	766	769	766	766	766	769	766	766	766	769
Thems Per Commercial Customer	4,061	4,075	4,061	4,060	4,060	4,075	4,061	4,061	4,061	4,073
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	66	66	67	67	67	68	68	68	69	69
Commercial Customers	9	9	9	9	9	9	9	9	9	9
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	75	75	76	77	77	78	78	78	78	79

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Bremerton (Shelton)										
Total Thems Pct. Growth		0.92%	0.24%	0.52%	0.58%	0.93%	0.18%	0.57%	0.51%	0.88%
Residential Thems	3,574,339	3,601,970	3,603,254	3,616,950	3,631,315	3,659,532	3,660,378	3,674,551	3,688,704	3,715,016
Commercial Thems	2,193,294	2,218,931	2,230,156	2,248,258	2,266,587	2,293,270	2,304,045	2,322,087	2,339,988	2,364,897
Industrial Thems	275,560	277,753	279,828	279,751	282,917	285,192	285,074	288,181	288,181	292,622
Ind., Inst., & Cmpl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	6,043,193	6,098,654	6,113,238	6,144,960	6,180,819	6,237,994	6,249,497	6,284,818	6,316,872	6,372,535
Daily Baseload Thems	6,447	6,450	6,524	6,596	6,634	6,636	6,638	6,676	6,748	6,821
Peak Day Thems	52,877	54,182	54,490	54,793	55,095	54,362	54,661	55,998	56,294	56,586
Thems Per Residential Customer	749	752	749	749	749	752	749	749	749	751
Thems Per Commercial Customer	3,528	3,540	3,528	3,527	3,527	3,540	3,528	3,528	3,528	3,539
Thems Per Industrial Customer	8,567	8,601	8,567	8,564	8,564	8,601	8,567	8,567	8,567	8,597
Residential Customers	4,773	4,792	4,812	4,831	4,850	4,869	4,888	4,907	4,926	4,945
Commercial Customers	622	627	632	637	643	648	653	658	663	668
Industrial Customers	32	32	33	33	33	33	33	34	34	34
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	5,427	5,451	5,476	5,501	5,526	5,550	5,574	5,599	5,623	5,647

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Castle Rock										
Total Thems Pct. Growth		0.89%	0.14%	0.48%	0.77%	0.81%	0.10%	0.48%	0.48%	0.85%
Residential Thems	22,777,693	22,994,678	23,038,336	23,164,671	23,286,676	23,499,841	23,538,444	23,664,848	23,790,082	24,004,080
Commercial Thems	12,241,682	12,342,542	12,355,510	12,406,361	12,584,095	12,683,054	12,687,322	12,741,472	12,798,393	12,899,782
Industrial Thems	458,978	461,007	458,978	458,978	444,235	428,391	426,193	426,193	428,595	428,595
Ind., Inst., & Cmpl. Interup. Thems	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Thems	36,319,745	36,643,130	36,694,216	36,871,402	37,156,399	37,456,771	37,493,352	37,673,906	37,856,061	38,178,322
Daily Baseload Thems	34,085	34,185	34,431	34,668	34,953	35,032	35,120	35,285	35,528	35,761
Peak Day Thems	337,732	341,569	343,376	345,109	347,190	347,456	349,210	353,722	355,516	356,914
Thems Per Residential Customer	697	700	697	697	697	700	697	697	697	700
Thems Per Commercial Customer	3,994	4,007	3,990	3,988	4,026	4,039	4,022	4,020	4,018	4,031
Thems Per Industrial Customer	32,784	32,929	32,784	32,784	32,505	31,742	31,580	31,580	31,580	31,758
Residential Customers	32,662	32,850	33,035	33,218	33,392	33,569	33,749	33,930	34,109	34,292
Commercial Customers	3,065	3,080	3,097	3,111	3,126	3,140	3,155	3,170	3,185	3,200
Industrial Customers	14	14	14	14	14	13	13	13	13	13
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	35,743	35,947	36,148	36,345	36,534	36,725	36,919	37,115	37,310	37,507

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Walla Walla										
Total Thems Pct. Growth		1.20%	0.56%	0.28%	0.80%	0.65%	0.09%	0.89%	0.25%	0.83%
Residential Thems	35,425	35,952	36,105	36,442	36,794	37,228	37,387	37,690	38,011	38,425
Commercial Thems	125,931	127,346	128,107	128,225	129,191	129,835	129,820	130,669	130,774	131,767
Industrial Thems	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmpl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	161,356	163,298	164,212	164,666	165,985	167,063	167,207	168,359	168,785	170,192
Daily Baseload Thems	204	206	208	208	209	210	211	213	213	213
Peak Day Thems	4,191	4,076	4,079	4,083	4,087	4,454	4,457	4,459	4,463	4,330
Thems Per Residential Customer	517	519	517	517	517	519	517	517	517	519
Thems Per Commercial Customer	2,633	2,642	2,633	2,633	2,633	2,642	2,633	2,633	2,633	2,642
Thems Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	69	69	70	71	71	72	72	73	74	74
Commercial Customers	48	48	49	49	49	49	49	50	50	50
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	116	117	119	119	120	121	122	123	123	124

**Appendix B
Demand Forecast
Low Scenario**

Deming	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.84%	0.02%	0.40%	0.40%	0.83%	0.01%	0.39%	0.39%	0.78%
Residential Therms	7,098,801	7,162,267	7,171,466	7,206,845	7,242,772	7,306,866	7,314,750	7,350,141	7,385,338	7,447,141
Commercial Therms	5,152,832	5,187,268	5,188,295	5,205,409	5,222,892	5,257,654	5,258,094	5,292,514	5,292,593	5,326,209
Industrial Therms	149,773	154,910	154,402	154,386	154,388	159,422	158,903	158,901	159,628	163,756
Ind., Inst., & Cmcl. Interrup. Therms	732,977	739,869	732,977	732,977	732,977	739,869	732,977	732,977	732,977	739,869
Total Core Therms	13,134,384	13,244,314	13,247,139	13,299,617	13,353,233	13,463,811	13,464,723	13,517,532	13,570,535	13,676,975
Daily Baseload Therms	12,694	12,721	12,810	12,898	12,950	12,972	12,987	13,038	13,127	13,220
Peak Day Therms	160,229	162,521	163,243	163,962	164,677	166,952	166,655	168,515	169,225	170,513
Therms Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Therms Per Commercial Customer	3,975	3,985	3,970	3,967	3,965	3,976	3,961	3,958	3,966	3,966
Therms Per Industrial Customer	9,264	9,295	9,264	9,263	9,265	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,259	11,317	11,375	11,432	11,489	11,546	11,602	11,658	11,714	11,769
Commercial Customers	1,296	1,302	1,307	1,312	1,317	1,322	1,328	1,333	1,338	1,343
Industrial Customers	16	17	17	17	17	17	17	17	17	18
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,572	12,636	12,699	12,761	12,823	12,885	12,947	13,008	13,069	13,130

Wenatchee	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.39%	1.38%	0.27%	0.15%	0.45%	-0.38%	0.02%	0.13%	0.25%
Residential Therms	13,532	13,588	13,531	13,519	13,783	13,854	13,795	13,837	14,052	14,088
Commercial Therms	153,717	154,305	156,681	157,153	157,153	157,854	157,254	157,254	157,254	157,652
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	167,249	167,893	170,211	170,672	170,936	171,708	171,049	171,092	171,306	171,740
Daily Baseload Therms	194	191	199	204	204	200	197	197	200	204
Peak Day Therms	695	750	770	774	777	721	721	777	780	780
Therms Per Residential Customer	538	540	538	537	537	540	538	538	538	539
Therms Per Commercial Customer	11,824	11,870	11,678	11,643	11,643	11,695	11,651	11,651	11,651	11,680
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	25	25	25	25	26	26	26	26	26	26
Commercial Customers	13	13	13	13	13	13	13	13	13	13
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	38	38	39	39	39	39	39	39	40	40

Finley	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.14%	-0.42%	-0.08%	-0.04%	0.37%	-0.42%	-0.05%	-0.04%	0.30%
Residential Therms	556,554	556,454	552,478	550,076	547,715	547,805	543,281	541,048	538,863	538,529
Commercial Therms	3,502,869	3,516,698	3,503,284	3,502,454	3,503,053	3,518,111	3,505,489	3,505,695	3,506,306	3,518,892
Industrial Therms	368,162	360,463	359,182	359,087	359,081	360,463	359,182	359,182	359,182	360,273
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,427,585	4,433,615	4,414,944	4,411,618	4,409,849	4,426,379	4,407,952	4,405,924	4,404,351	4,417,694
Daily Baseload Therms	5,414	5,368	5,399	5,430	5,428	5,394	5,360	5,357	5,389	5,420
Peak Day Therms	37,292	38,195	38,179	38,157	38,138	37,130	37,117	38,086	38,070	38,052
Therms Per Residential Customer	465	467	465	465	465	467	465	465	465	466
Therms Per Commercial Customer	5,094	5,114	5,093	5,093	5,093	5,114	5,094	5,094	5,094	5,111
Therms Per Industrial Customer	26,775	26,871	26,775	26,768	26,768	26,871	26,775	26,775	26,775	26,857
Residential Customers	1,198	1,193	1,189	1,184	1,179	1,174	1,169	1,164	1,160	1,155
Commercial Customers	688	688	688	688	688	688	688	688	688	688
Industrial Customers	14	13	13	13	13	13	13	13	13	13
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,899	1,894	1,890	1,885	1,880	1,875	1,871	1,866	1,861	1,857

Grandview	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.58%	-0.20%	0.96%	2.51%	0.57%	-0.22%	2.84%	0.40%	0.48%
Residential Therms	14,709	15,016	15,174	15,407	15,641	15,921	16,062	16,267	16,489	16,747
Commercial Therms	106,878	107,275	106,876	107,812	110,667	111,105	110,690	114,091	114,391	114,767
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	121,587	122,291	122,049	123,218	126,308	127,026	126,752	130,358	130,880	131,514
Daily Baseload Therms	139	138	139	142	145	144	144	148	149	151
Peak Day Therms	600	549	552	555	559	404	407	415	418	482
Therms Per Residential Customer	545	547	545	545	545	547	545	545	545	547
Therms Per Commercial Customer	7,966	7,996	7,966	7,964	7,964	7,966	7,966	7,966	7,966	7,992
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	27	27	28	28	29	29	29	30	30	31
Commercial Customers	13	13	13	14	14	14	14	14	14	14
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	40	41	41	42	43	43	43	44	45	45

Zillah (Toppenish)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.51%	0.01%	0.22%	0.20%	0.47%	-0.03%	0.15%	0.18%	0.39%
Residential Therms	560,282	565,323	565,830	567,731	569,435	573,417	572,696	573,660	574,553	577,235
Commercial Therms	1,415,043	1,420,159	1,420,203	1,422,780	1,425,276	1,430,728	1,431,089	1,433,274	1,436,129	1,441,263
Industrial Therms	71,580	71,843	71,548	71,548	71,548	71,803	71,504	71,504	71,504	71,764
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	2,046,905	2,057,325	2,057,581	2,062,059	2,066,259	2,075,948	2,075,288	2,078,438	2,082,186	2,090,262
Daily Baseload Therms	4,170	4,085	4,104	4,122	4,128	4,059	4,055	4,059	4,076	4,040
Peak Day Therms	13,160	13,539	13,593	13,641	13,683	13,337	13,381	13,772	13,809	13,845
Therms Per Residential Customer	578	581	578	578	578	581	578	578	578	580
Therms Per Commercial Customer	7,467	7,465	7,434	7,416	7,400	7,399	7,367	7,354	7,336	7,331
Therms Per Industrial Customer	8,505	8,536	8,501	8,501	8,501	8,531	8,496	8,496	8,496	8,526
Residential Customers	969	974	978	982	985	988	990	992	993	995
Commercial Customers	190	190	191	192	193	193	194	195	196	197
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,167	1,172	1,178	1,182	1,186	1,189	1,193	1,195	1,198	1,200

Appendix B
Demand Forecast
Low Scenario

Kalama #2	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.73%	-0.03%	0.27%	0.34%	0.70%	-0.09%	0.26%	0.25%	0.55%
Residential Thems	1,094,290	1,104,481	1,105,165	1,108,778	1,112,098	1,120,286	1,118,495	1,120,475	1,122,222	1,127,620
Commercial Thems	2,169,992	2,187,173	2,187,573	2,195,516	2,204,876	2,222,959	2,223,058	2,231,825	2,240,548	2,256,615
Industrial Thems	759,553	761,784	759,561	759,190	760,602	763,201	760,996	760,996	760,981	762,489
Ind., Inst., & Cmdl. Interrup. Thems	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Thems	4,072,629	4,102,232	4,101,085	4,112,278	4,126,369	4,155,240	4,151,342	4,162,090	4,172,544	4,195,419
Daily BaseLoad Thems	4,227	4,183	4,242	4,301	4,314	4,267	4,229	4,238	4,296	4,345
Peak Day Thems	39,458	41,098	41,250	41,386	41,531	40,170	40,289	41,933	42,042	42,162
Thems Per Residential Customer	567	569	567	567	567	569	567	567	567	569
Thems Per Commercial Customer	4,158	4,174	4,158	4,156	4,156	4,173	4,156	4,156	4,156	4,169
Thems Per Industrial Customer	34,266	34,366	34,266	34,249	34,248	34,366	34,266	34,266	34,266	34,333
Residential Customers	1,931	1,941	1,950	1,957	1,963	1,969	1,974	1,977	1,980	1,983
Commercial Customers	522	524	526	528	531	533	535	537	539	541
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	2,476	2,488	2,499	2,509	2,517	2,524	2,532	2,537	2,542	2,547

Lawrence	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.80%	0.13%	0.25%	0.44%	0.63%	-0.06%	0.37%	0.26%	0.74%
Residential Thems	165,145	167,412	168,216	169,558	171,020	173,256	173,843	175,238	176,589	178,630
Commercial Thems	153,323	155,098	155,861	156,054	157,299	158,120	157,974	158,840	159,088	160,850
Industrial Thems	283,261	284,063	283,261	283,261	283,261	284,063	283,261	283,261	283,261	284,063
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	601,728	606,572	607,338	608,872	611,580	615,439	615,078	617,339	618,938	623,543
Daily BaseLoad Thems	1,128	1,128	1,135	1,141	1,144	1,142	1,140	1,143	1,149	1,156
Peak Day Thems	2,565	2,706	2,729	2,741	2,766	2,663	2,666	2,808	2,820	2,841
Thems Per Residential Customer	900	904	900	899	899	903	899	898	898	901
Thems Per Commercial Customer	3,061	3,074	3,061	3,060	3,060	3,074	3,061	3,061	3,061	3,072
Thems Per Industrial Customer	94,420	94,688	94,420	94,420	94,420	94,688	94,420	94,420	94,420	94,688
Residential Customers	183	185	187	189	190	192	193	195	197	198
Commercial Customers	50	50	51	51	51	51	52	52	52	52
Industrial Customers	3	3	3	3	3	3	3	3	3	3
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	237	239	241	243	245	246	248	250	252	254

Moxee (Beauchene)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.76%	0.31%	0.00%	0.53%	0.65%	0.03%	1.13%	0.28%	0.77%
Residential Thems	42,257	42,775	42,963	42,964	43,312	43,650	43,656	43,999	44,084	44,511
Commercial Thems	20,550	21,159	21,177	21,177	21,177	21,262	21,278	21,684	21,763	21,871
Industrial Thems	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	64,008	65,136	65,340	65,341	65,690	66,114	66,135	66,883	67,068	67,584
Daily BaseLoad Thems	41	42	42	42	42	42	42	43	43	43
Peak Day Thems	4,649	4,829	4,865	4,886	4,915	4,776	4,809	4,995	5,021	5,051
Thems Per Residential Customer	708	711	708	708	708	711	708	708	708	711
Thems Per Commercial Customer	1,258	1,263	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,263
Thems Per Industrial Customer	1,201	1,202	1,201	1,201	1,201	1,202	1,201	1,201	1,201	1,202
Residential Customers	60	60	61	61	61	61	62	62	62	63
Commercial Customers	16	17	17	17	17	17	17	17	17	17
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	77	78	78	78	79	79	80	80	81	81

Othello	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.46%	-0.01%	0.11%	0.23%	0.41%	-0.11%	0.06%	0.16%	0.28%
Residential Thems	609,584	615,136	615,579	617,596	619,389	623,892	623,037	624,131	625,122	627,887
Commercial Thems	355,157	356,453	357,297	357,194	359,320	360,742	361,537	361,533	363,622	364,735
Industrial Thems	702,089	702,833	701,308	701,308	701,308	702,282	700,511	700,511	700,511	701,526
Ind., Inst., & Cmdl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	1,666,831	1,674,422	1,674,184	1,676,098	1,680,016	1,686,916	1,685,086	1,686,176	1,689,255	1,694,148
Daily BaseLoad Thems	2,605	2,866	2,870	2,883	2,885	3,117	3,108	3,109	3,122	3,380
Peak Day Thems	14,504	15,600	15,654	15,679	15,720	15,775	15,812	16,181	16,213	16,227
Thems Per Residential Customer	627	630	627	627	627	630	627	627	627	630
Thems Per Commercial Customer	6,186	6,208	6,170	6,168	6,152	6,177	6,139	6,139	6,124	6,143
Thems Per Industrial Customer	61,051	61,116	60,983	60,983	60,983	61,068	60,914	60,914	60,914	61,002
Residential Customers	971	976	981	985	987	990	993	995	996	997
Commercial Customers	57	57	58	58	58	58	59	59	59	59
Industrial Customers	12	12	12	12	12	12	12	12	12	12
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,040	1,045	1,050	1,054	1,057	1,060	1,063	1,065	1,067	1,068

North Pasco	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.33%	-0.26%	0.01%	0.09%	0.43%	-0.32%	0.01%	0.03%	0.26%
Residential Thems	663,276	665,858	663,227	662,984	662,933	665,729	663,149	663,201	663,176	665,272
Commercial Thems	990,383	993,440	991,835	992,421	994,332	999,074	996,128	996,253	996,853	999,309
Industrial Thems	400,735	401,905	400,735	400,598	400,598	401,905	400,735	400,735	400,735	401,633
Ind., Inst., & Cmdl. Interrup. Thems	109,275	109,621	109,275	109,232	109,232	109,621	109,275	109,275	109,275	109,636
Total Core Thems	2,163,669	2,170,825	2,165,072	2,165,235	2,167,096	2,176,329	2,169,287	2,169,463	2,170,039	2,175,749
Daily BaseLoad Thems	2,696	2,684	2,710	2,736	2,738	2,721	2,697	2,697	2,722	2,751
Peak Day Thems	30,676	31,608	31,624	31,636	31,658	30,747	30,748	31,684	31,691	31,696
Thems Per Residential Customer	611	614	611	611	611	614	611	611	611	613
Thems Per Commercial Customer	3,451	3,461	3,450	3,448	3,447	3,458	3,447	3,447	3,446	3,454
Thems Per Industrial Customer	36,430	36,537	36,430	36,418	36,418	36,537	36,430	36,430	36,430	36,512
Residential Customers	1,085	1,085	1,085	1,085	1,085	1,085	1,085	1,085	1,085	1,085
Commercial Customers	287	287	287	288	288	289	289	289	289	289
Industrial Customers	11	11	11	11	11	11	11	11	11	11
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,384	1,384	1,385	1,385	1,385	1,386	1,386	1,386	1,386	1,386

Appendix B
Demand Forecast
Low Scenario

Patterson	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.21%	-0.20%	0.03%	0.00%	0.22%	0.19%	0.00%	0.00%	0.23%
Residential Therms	0	0	0	0	0	0	0	0	0	0
Commercial Therms	261,451	261,991	261,457	261,540	261,535	262,109	262,605	262,605	262,605	263,222
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmpl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	261,451	261,991	261,457	261,540	261,535	262,109	262,605	262,605	262,605	263,222
Daily Baseload Therms	536	533	533	533	533	530	531	531	531	523
Peak Day Therms	776	832	832	833	833	777	793	852	852	852
Therms Per Residential Customer	0	0	0	0	0	0	0	0	0	0
Therms Per Commercial Customer	62,748	62,878	62,750	62,148	62,147	62,283	56,344	56,344	56,344	56,476
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	0	0	0	0	0	0	0	0	0	0
Commercial Customers	4	4	4	4	4	4	5	5	5	5
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4	4	4	4	4	4	5	5	5	5

Prosser	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.53%	0.67%	0.95%	1.00%	1.30%	-0.10%	0.97%	0.92%	1.29%
Residential Therms	249,090	254,401	257,464	261,455	265,499	270,699	273,405	277,237	281,036	285,934
Commercial Therms	424,307	430,757	433,581	437,380	441,606	447,801	450,141	454,482	458,550	464,266
Industrial Therms	128,119	128,592	128,119	128,078	128,078	127,521	121,668	121,668	121,668	122,040
Ind., Inst., & Cmpl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	801,515	813,750	819,165	826,913	835,184	846,021	845,214	853,387	861,254	872,330
Daily Baseload Therms	479	479	490	501	506	505	501	506	517	529
Peak Day Therms	9,644	9,886	9,996	10,088	10,190	10,188	10,313	10,548	10,641	10,770
Therms Per Residential Customer	531	533	531	531	531	533	531	531	531	533
Therms Per Commercial Customer	3,016	3,029	3,016	3,016	3,016	3,029	3,016	3,016	3,016	3,027
Therms Per Industrial Customer	25,624	25,718	25,624	25,616	25,616	25,718	25,624	25,624	25,624	25,702
Residential Customers	469	477	485	493	500	508	515	522	529	537
Commercial Customers	141	142	144	145	146	148	149	151	152	153
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	615	624	634	643	652	661	669	678	686	695

Quincy	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.46%	-0.22%	0.06%	0.09%	0.58%	-0.28%	0.14%	0.14%	0.46%
Residential Therms	40,730	40,709	40,471	40,448	40,448	40,621	40,470	40,470	40,471	40,548
Commercial Therms	782,523	786,415	785,099	785,694	786,553	791,238	789,376	790,222	791,635	794,990
Industrial Therms	165,747	166,427	165,821	165,821	165,821	166,705	165,928	165,928	165,928	167,069
Ind., Inst., & Cmpl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	989,000	993,551	991,390	991,963	992,822	998,564	995,774	996,619	998,033	1,002,607
Daily Baseload Therms	1,489	1,476	1,487	1,498	1,500	1,482	1,474	1,476	1,487	1,491
Peak Day Therms	6,303	6,634	6,641	6,648	6,654	6,361	6,367	6,660	6,671	6,571
Therms Per Residential Customer	690	693	690	690	690	693	690	690	690	692
Therms Per Commercial Customer	11,993	12,014	11,964	11,950	11,941	11,967	11,916	11,907	11,892	11,920
Therms Per Industrial Customer	28,826	28,944	28,838	28,838	28,838	28,992	28,857	28,857	28,857	29,056
Residential Customers	59	59	59	59	59	59	59	59	59	59
Commercial Customers	65	65	66	66	66	66	66	66	67	67
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	130	130	130	130	130	130	131	131	131	131

Sunnyside	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.70%	-0.02%	0.33%	0.28%	0.65%	-0.10%	0.23%	0.23%	0.54%
Residential Therms	1,058,940	1,068,460	1,068,391	1,073,134	1,076,375	1,083,707	1,082,347	1,084,183	1,085,904	1,091,220
Commercial Therms	1,581,696	1,593,479	1,593,503	1,599,060	1,605,072	1,617,441	1,617,276	1,623,100	1,629,014	1,640,384
Industrial Therms	631,567	633,222	633,567	633,070	633,063	634,847	633,201	633,201	633,195	634,604
Ind., Inst., & Cmpl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,272,203	3,295,161	3,294,460	3,305,263	3,314,510	3,335,995	3,332,824	3,340,485	3,348,113	3,366,208
Daily Baseload Therms	3,343	3,334	3,359	3,386	3,393	3,383	3,373	3,379	3,402	3,424
Peak Day Therms	30,188	30,788	30,915	31,031	31,197	30,840	30,938	31,529	31,614	31,403
Therms Per Residential Customer	559	562	559	559	559	562	559	559	559	562
Therms Per Commercial Customer	3,007	3,017	3,004	3,003	3,001	3,012	2,999	2,998	2,997	3,007
Therms Per Industrial Customer	39,066	39,168	39,066	39,058	39,058	39,168	39,066	39,066	39,066	39,153
Residential Customers	1,893	1,902	1,911	1,918	1,924	1,929	1,935	1,938	1,941	1,943
Commercial Customers	526	528	530	533	535	537	539	541	544	546
Industrial Customers	16	16	16	16	16	16	16	16	16	16
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	2,435	2,447	2,458	2,467	2,475	2,483	2,490	2,495	2,501	2,505

Moses Lake	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.96%	-0.45%	0.23%	0.25%	0.77%	-0.29%	-0.10%	0.24%	0.78%
Residential Therms	369,792	370,813	368,723	368,278	368,063	369,775	367,989	367,861	367,582	368,499
Commercial Therms	3,311,604	3,346,538	3,332,223	3,341,795	3,351,648	3,379,034	3,370,504	3,379,011	3,388,890	3,416,989
Industrial Therms	212,589	213,880	212,528	212,528	212,528	213,553	212,484	200,351	200,351	201,398
Ind., Inst., & Cmpl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,893,985	3,931,232	3,913,474	3,922,601	3,932,239	3,962,362	3,950,977	3,947,223	3,956,823	3,986,886
Daily Baseload Therms	2,811	2,715	2,728	2,738	2,746	2,692	2,694	2,698	2,707	2,685
Peak Day Therms	17,630	19,749	19,782	19,836	19,894	20,540	20,616	20,829	20,908	20,928
Therms Per Residential Customer	514	516	514	513	513	516	514	514	514	515
Therms Per Commercial Customer	9,050	9,116	9,066	9,062	9,066	9,117	9,073	9,076	9,081	9,135
Therms Per Industrial Customer	26,853	27,016	26,846	26,846	26,846	26,975	26,840	26,420	26,420	26,558
Residential Customers	720	719	718	717	717	717	716	716	716	715
Commercial Customers	366	367	368	369	370	371	371	372	373	374
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,094	1,094	1,094	1,094	1,095	1,095	1,096	1,096	1,096	1,097

Appendix B
Demand Forecast
Low Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
7th Day School										
Total Therms Pct. Growth		0.50%	-0.02%	0.71%	0.00%	0.50%	-0.50%	0.00%	0.00%	0.51%
Residential Therms	10,763	10,818	10,841	10,956	10,956	11,011	10,956	10,956	10,956	11,012
Commercial Therms	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772
Industrial Therms	1,669	1,677	1,669	1,670	1,670	1,677	1,669	1,669	1,669	1,677
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	16,186	16,266	16,263	16,379	16,379	16,460	16,378	16,378	16,378	16,461
Daily Baseload Therms	6	6	6	6	6	6	6	6	6	6
Peak Day Therms	540	546	547	562	568	561	561	568	568	568
Therms Per Residential Customer	939	944	939	939	939	944	939	939	939	944
Therms Per Commercial Customer	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772
Therms Per Industrial Customer	1,669	1,677	1,669	1,670	1,670	1,677	1,669	1,669	1,669	1,677
Residential Customers	11	11	12	12	12	12	12	12	12	12
Commercial Customers	1	1	1	1	1	1	1	1	1	1
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	13	13	14	14	14	14	14	14	14	14

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima Training Center										
Total Therms Pct. Growth		0.87%	-0.13%	0.47%	0.45%	0.87%	-0.07%	0.44%	0.28%	0.87%
Residential Therms	5,018	5,072	5,098	5,097	5,104	5,136	5,145	5,160	5,160	5,188
Commercial Therms	396,557	399,988	399,424	401,340	403,175	406,703	406,420	408,233	409,383	412,949
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	401,575	405,059	404,522	406,437	408,279	411,839	411,565	413,394	414,543	418,137
Daily Baseload Therms	165	162	166	170	170	168	166	166	170	174
Peak Day Therms	403	336	337	337	337	319	319	320	320	323
Therms Per Residential Customer	192	193	192	192	192	193	192	192	192	193
Therms Per Commercial Customer	4,066	4,083	4,066	4,065	4,065	4,083	4,066	4,066	4,066	4,081
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	26	26	26	26	27	27	27	27	27	27
Commercial Customers	98	98	98	99	99	100	100	100	101	101
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	124	124	125	125	126	126	127	127	128	128

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Burbank Heights Loop										
Total Therms Pct. Growth		2.05%	1.19%	1.55%	1.47%	1.88%	1.03%	1.65%	1.33%	1.63%
Residential Therms	6,144,970	6,302,974	6,409,198	6,536,471	6,661,969	6,812,229	6,906,854	7,025,870	7,143,422	7,265,146
Commercial Therms	4,069,059	4,124,496	4,145,419	4,184,707	4,219,874	4,277,782	4,299,726	4,369,078	4,405,933	4,455,753
Industrial Therms	213,191	213,710	213,201	213,172	213,167	213,710	213,191	213,196	213,201	213,662
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	10,427,219	10,641,180	10,767,819	10,934,350	11,094,909	11,303,720	11,419,771	11,608,144	11,762,557	11,954,562
Daily Baseload Therms	9,375	9,479	9,673	9,869	10,010	10,104	10,194	10,366	10,554	10,737
Peak Day Therms	147,275	151,018	153,511	156,009	158,397	160,285	162,588	166,489	168,737	169,818
Therms Per Residential Customer	568	570	568	568	568	570	568	568	568	570
Therms Per Commercial Customer	3,906	3,916	3,897	3,891	3,887	3,902	3,886	3,907	3,906	3,916
Therms Per Industrial Customer	19,679	19,727	19,680	19,677	19,677	19,727	19,679	19,680	19,680	19,723
Residential Customers	10,813	11,048	11,278	11,504	11,725	11,941	12,154	12,363	12,570	12,773
Commercial Customers	1,042	1,053	1,064	1,075	1,086	1,096	1,107	1,118	1,128	1,138
Industrial Customers	11	11	11	11	11	11	11	11	11	11
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	11,866	12,112	12,353	12,590	12,821	13,048	13,271	13,493	13,709	13,922

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
East Stanwood Loop										
Total Therms Pct. Growth		0.86%	0.18%	0.53%	0.54%	0.90%	0.15%	0.51%	0.53%	0.83%
Residential Therms	5,852,727	5,899,678	5,902,664	5,927,702	5,953,794	6,003,073	6,006,301	6,031,839	6,057,145	6,103,812
Commercial Therms	4,042,272	4,081,665	4,097,105	4,125,928	4,155,038	4,197,694	4,210,608	4,237,550	4,266,996	4,307,129
Industrial Therms	138,081	138,420	138,081	138,081	138,081	138,400	138,081	138,081	138,081	138,387
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	10,033,080	10,119,762	10,137,850	10,191,712	10,246,913	10,339,167	10,354,990	10,407,471	10,462,222	10,549,329
Daily Baseload Therms	11,802	11,816	11,920	12,026	12,090	12,109	12,130	12,191	12,296	12,394
Peak Day Therms	86,513	88,259	88,742	89,226	89,711	88,829	89,293	91,106	91,586	92,040
Therms Per Residential Customer	713	715	713	713	713	715	713	713	713	715
Therms Per Commercial Customer	4,097	4,111	4,096	4,095	4,094	4,109	4,093	4,093	4,092	4,105
Therms Per Industrial Customer	165,697	166,104	165,697	165,697	165,697	166,080	165,697	165,697	165,697	166,065
Residential Customers	8,212	8,247	8,282	8,318	8,355	8,391	8,427	8,463	8,498	8,534
Commercial Customers	987	993	1,000	1,008	1,015	1,022	1,029	1,035	1,043	1,049
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	9,199	9,240	9,283	9,326	9,370	9,414	9,457	9,499	9,542	9,584

Appendix B
Demand Forecast
Low Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Kennewick Loop										
Total Thems Pct. Growth		2.13%	0.84%	1.18%	1.16%	1.82%	0.91%	1.09%	1.06%	1.42%
Residential Thems	10,117,978	10,328,846	10,457,546	10,622,311	10,785,546	10,989,190	11,105,354	11,261,646	11,415,684	11,610,292
Commercial Thems	11,393,329	11,661,433	11,723,128	11,825,534	11,923,846	12,143,524	12,243,786	12,346,563	12,448,232	12,596,203
Industrial Thems	271,389	260,180	259,129	259,129	259,129	260,328	259,129	259,129	259,129	260,511
Ind., Inst., & Cmdl. Interup. Thems	217,844	218,830	217,844	217,844	217,844	218,969	217,844	217,844	217,844	219,141
Total Core Thems	22,000,540	22,469,288	22,657,647	22,924,819	23,190,366	23,612,010	23,826,113	24,055,182	24,340,889	24,886,147
Daily BaseLoad Thems	24,686	25,088	25,439	25,785	26,069	26,270	26,660	26,936	27,271	27,582
Peak Day Thems	278,648	284,854	288,593	292,244	295,848	298,541	302,708	308,126	311,591	315,759
Thems Per Residential Customer	635	638	635	635	635	638	635	635	635	638
Thems Per Commercial Customer	4,606	4,664	4,641	4,636	4,632	4,671	4,666	4,661	4,657	4,670
Thems Per Industrial Customer	36,799	35,898	35,753	35,753	35,753	35,918	35,753	35,753	35,753	36,943
Residential Customers	15,929	16,198	16,464	16,724	16,981	17,234	17,483	17,729	17,972	18,211
Commercial Customers	2,474	2,500	2,526	2,551	2,575	2,600	2,624	2,649	2,673	2,697
Industrial Customers	7	7	7	7	7	7	7	7	7	7
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	18,411	18,707	18,998	19,283	19,565	19,842	20,116	20,386	20,653	20,917

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Longview South Loop										
Total Thems Pct. Growth		1.01%	0.20%	0.49%	0.54%	0.84%	0.07%	0.36%	0.41%	0.70%
Residential Thems	987,457	1,000,734	1,006,475	1,015,021	1,024,068	1,036,980	1,041,875	1,050,144	1,058,645	1,070,333
Commercial Thems	3,793,201	3,830,488	3,836,216	3,851,825	3,866,340	3,894,961	3,894,147	3,904,923	3,917,354	3,942,288
Industrial Thems	253,525	254,370	253,508	254,921	259,379	261,804	261,641	261,635	262,351	263,078
Ind., Inst., & Cmdl. Interup. Thems	103,528	103,926	103,528	103,528	103,528	103,957	103,528	103,528	103,528	103,679
Total Core Thems	5,137,710	5,189,518	5,199,725	5,225,294	5,253,314	5,297,702	5,301,190	5,320,230	5,341,878	5,379,378
Daily BaseLoad Thems	5,502	5,472	5,558	5,644	5,675	5,637	5,602	5,621	5,702	5,777
Peak Day Thems	56,850	57,149	57,464	57,943	58,591	56,436	56,627	58,799	58,993	61,192
Thems Per Residential Customer	506	507	506	505	505	507	506	506	506	507
Thems Per Commercial Customer	4,368	4,379	4,361	4,356	4,354	4,369	4,352	4,350	4,348	4,358
Thems Per Industrial Customer	17,949	18,009	17,947	17,942	17,943	18,009	17,948	17,948	17,947	17,997
Residential Customers	1,953	1,972	1,991	2,008	2,026	2,044	2,061	2,077	2,094	2,111
Commercial Customers	869	875	880	884	888	892	895	898	901	905
Industrial Customers	14	14	14	14	14	15	15	15	15	15
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	2,837	2,862	2,886	2,908	2,930	2,951	2,971	2,990	3,011	3,031

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Sedro-Woolley Loop										
Total Thems Pct. Growth		0.84%	0.13%	0.58%	0.62%	0.87%	0.09%	0.43%	0.44%	0.79%
Residential Thems	18,256,153	18,426,943	18,459,421	18,557,692	18,657,822	18,830,578	18,859,265	18,957,923	19,056,277	19,220,540
Commercial Thems	10,131,930	10,204,660	10,216,218	10,291,028	10,375,914	10,456,528	10,458,516	10,491,183	10,527,008	10,601,220
Industrial Thems	1,262,302	1,266,655	1,262,302	1,262,112	1,262,723	1,274,016	1,269,638	1,269,638	1,269,638	1,273,633
Ind., Inst., & Cmdl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	29,650,385	29,898,258	29,937,941	30,110,832	30,296,459	30,561,121	30,587,419	30,718,144	30,852,924	31,095,394
Daily BaseLoad Thems	26,958	26,946	27,208	27,501	27,674	27,672	27,659	27,771	28,022	28,277
Peak Day Thems	274,331	279,584	281,036	282,582	284,047	281,592	282,974	288,305	289,652	290,997
Thems Per Residential Customer	707	709	707	707	707	709	707	707	707	709
Thems Per Commercial Customer	3,093	3,102	3,090	3,093	3,103	3,112	3,099	3,097	3,095	3,103
Thems Per Industrial Customer	14,678	14,729	14,678	14,676	14,676	14,729	14,678	14,678	14,678	14,724
Residential Customers	25,836	25,980	26,123	26,265	26,407	26,548	26,688	26,827	26,966	27,103
Commercial Customers	3,276	3,290	3,306	3,327	3,344	3,360	3,375	3,388	3,401	3,416
Industrial Customers	86	86	86	86	86	86	86	86	86	86
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	29,198	29,356	29,515	29,678	29,837	29,994	30,150	30,301	30,453	30,606

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Sumas SPE Loop										
Total Thems Pct. Growth		0.89%	0.17%	0.51%	0.50%	0.88%	0.11%	0.48%	0.48%	0.83%
Residential Thems	32,797,410	33,093,967	33,141,354	33,308,662	33,478,394	33,777,024	33,818,457	33,965,576	34,152,106	34,440,139
Commercial Thems	15,354,316	15,486,382	15,520,222	15,600,954	15,674,102	15,807,884	15,821,696	15,963,816	15,965,948	16,094,417
Industrial Thems	1,066,607	1,075,708	1,077,545	1,084,222	1,090,290	1,099,465	1,101,770	1,108,408	1,114,345	1,124,469
Ind., Inst., & Cmdl. Interup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	49,218,333	49,656,057	49,739,121	49,993,837	50,242,786	50,684,373	50,741,924	50,987,800	51,232,399	51,659,025
Daily BaseLoad Thems	44,704	44,777	45,180	45,575	45,801	45,866	45,930	46,152	46,533	46,914
Peak Day Thems	486,923	493,949	496,488	499,024	501,540	499,135	501,605	508,966	511,437	514,163
Thems Per Residential Customer	743	746	743	743	743	746	743	743	743	746
Thems Per Commercial Customer	2,969	2,980	2,971	2,972	2,971	2,982	2,971	2,970	2,970	2,980
Thems Per Industrial Customer	16,569	16,625	16,569	16,567	16,567	16,625	16,569	16,569	16,569	16,621
Residential Customers	44,121	44,353	44,583	44,813	45,041	45,268	45,494	45,719	45,943	46,166
Commercial Customers	5,171	5,197	5,224	5,250	5,275	5,301	5,326	5,351	5,377	5,402
Industrial Customers	64	65	65	65	66	66	66	67	67	68
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	49,356	49,615	49,872	50,128	50,382	50,635	50,887	51,137	51,387	51,635

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima Loop										
Total Thems Pct. Growth		0.79%	0.00%	0.32%	0.39%	0.79%	-0.09%	0.25%	0.24%	0.61%
Residential Thems	12,541,623	12,655,962	12,665,644	12,709,702	12,747,718	12,836,587	12,818,905	12,841,348	12,861,325	12,924,813
Commercial Thems	12,462,746	12,560,197	12,559,104	12,605,617	12,671,083	12,792,556	12,793,327	12,841,599	12,889,408	12,984,617
Industrial Thems	2,855,476	2,865,010	2,857,038	2,857,038	2,863,283	2,875,970	2,866,399	2,867,955	2,867,955	2,883,773
Ind., Inst., & Cmdl. Interup. Thems	95,281	95,730	95,281	95,281	95,281	95,799	95,281	95,281	95,281	95,840
Total Core Thems	27,955,126	28,176,899	28,177,067	28,267,637	28,377,365	28,600,911	28,573,912	28,646,183	28,713,969	28,889,042
Daily BaseLoad Thems	23,097	23,038	23,262	23,475	23,565	23,508	23,432	23,489	23,686	23,888
Peak Day Thems	300,935	306,741	308,003	309,089	310,264	306,757	307,706	313,171	313,932	314,705
Thems Per Residential Customer	664	666	664	664	664	666	664	664	664	666
Thems Per Commercial Customer	3,623	3,627	3,622	3,620	3,624	3,643	3,629	3,628	3,627	3,639
Thems Per Industrial Customer	37,490	37,615	37,490	37,490	37,490	37,615	37,490	37,490	37,490	37,615
Residential Customers	18,899	18,994	19,096	19,155	19,213	19,265	19,317	19,350	19,381	19,404
Commercial Customers	3,440	3,453	3,468	3,482	3,497	3,511	3,526	3,540	3,554	3,568
Industrial Customers	76	76	76	76	76	76	76	76	76	77
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	22,417	22,526	22,632							

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Zone 10										
Total Thems Pct. Growth		0.74%	0.04%	0.33%	0.35%	0.69%	-0.08%	0.29%	0.28%	0.57%
Residential Thems	2,974,469	3,004,589	3,009,795	3,023,158	3,035,468	3,060,229	3,059,001	3,067,614	3,075,774	3,094,028
Commercial Thems	5,594,790	5,635,341	5,638,612	5,658,489	5,680,583	5,722,701	5,725,316	5,746,434	5,767,994	5,806,391
Industrial Thems	1,592,488	1,597,118	1,592,456	1,593,555	1,594,960	1,599,048	1,589,038	1,589,038	1,589,016	1,592,574
Ind., Inst., & Cmul. Interrup. Thems	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Thems	10,210,542	10,285,642	10,289,657	10,323,996	10,359,805	10,430,773	10,422,150	10,451,880	10,481,578	10,541,787
Daily BaseLoad Thems	12,226	12,087	12,202	12,317	12,348	12,221	12,165	12,189	12,298	12,345
Peak Day Thems	93,376	96,251	96,686	97,092	97,553	95,482	96,868	96,734	99,059	99,131
Thems Per Residential Customer	3,726	3,743	3,726	3,726	3,726	3,743	3,726	3,726	3,726	3,742
Thems Per Commercial Customer	21,401	21,456	21,365	21,343	21,266	21,384	21,292	21,277	21,268	21,305
Thems Per Industrial Customer	109,129	109,466	109,126	109,093	109,092	109,460	109,121	109,121	109,120	109,392
Residential Customers	5,277	5,309	5,341	5,366	5,388	5,409	5,429	5,445	5,460	5,473
Commercial Customers	1,379	1,386	1,392	1,399	1,405	1,412	1,419	1,425	1,431	1,438
Industrial Customers	53	53	53	53	53	53	53	53	53	53
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	6,710	6,749	6,787	6,818	6,847	6,875	6,901	6,923	6,945	6,964
Zone 11										
Total Thems Pct. Growth		0.69%	-0.06%	0.26%	0.32%	0.71%	-0.14%	0.21%	0.20%	0.56%
Residential Thems	13,753,510	13,873,333	13,879,269	13,922,918	13,960,374	14,054,041	14,030,837	14,052,156	14,070,841	14,136,964
Commercial Thems	17,490,851	17,619,751	17,604,208	17,652,299	17,723,165	17,869,350	17,865,150	17,907,282	17,960,353	18,076,184
Industrial Thems	4,091,474	4,094,734	4,083,349	4,083,254	4,089,493	4,105,419	4,092,020	4,093,576	4,093,576	4,112,641
Ind., Inst., & Cmul. Interrup. Thems	95,281	95,730	95,281	95,281	95,281	95,799	95,281	95,281	95,281	95,840
Total Core Thems	35,440,117	35,683,547	35,662,107	35,753,753	35,868,332	36,124,608	36,074,289	36,148,295	36,220,152	36,421,629
Daily BaseLoad Thems	32,770	32,900	33,184	33,455	33,549	33,669	33,539	33,597	33,854	34,353
Peak Day Thems	359,438	367,505	368,814	369,910	371,113	366,342	367,322	374,420	373,206	375,878
Thems Per Residential Customer	2,639	2,649	2,639	2,638	2,638	2,649	2,639	2,639	2,639	2,647
Thems Per Commercial Customer	30,961	31,056	30,914	30,895	30,874	30,984	30,844	30,833	30,802	30,895
Thems Per Industrial Customer	154,142	154,546	154,087	154,080	154,079	154,546	154,036	154,036	154,036	154,530
Residential Customers	21,153	21,248	21,341	21,409	21,464	21,515	21,564	21,595	21,622	21,642
Commercial Customers	4,347	4,362	4,377	4,392	4,408	4,423	4,439	4,454	4,469	4,484
Industrial Customers	107	107	107	107	107	107	107	107	107	107
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	25,610	25,719	25,827	25,911	25,982	26,047	26,112	26,158	26,200	26,235
Zone 20										
Total Thems Pct. Growth		1.89%	0.74%	1.12%	1.10%	1.66%	0.76%	0.96%	1.00%	1.35%
Residential Thems	17,310,725	17,683,508	17,913,868	18,205,450	18,494,052	18,852,844	19,059,408	19,334,845	19,606,354	19,945,956
Commercial Thems	19,871,252	20,233,161	20,299,481	20,452,269	20,604,368	20,910,518	21,020,834	21,204,995	21,354,299	21,583,021
Industrial Thems	1,097,904	1,089,675	1,085,593	1,085,428	1,085,423	1,089,496	1,085,539	1,073,411	1,073,416	1,077,204
Ind., Inst., & Cmul. Interrup. Thems	327,119	328,451	327,119	327,076	327,076	328,590	327,119	327,119	327,119	328,676
Total Core Thems	38,607,001	39,334,815	39,626,061	40,070,223	40,510,918	41,181,447	41,492,901	41,940,371	42,381,188	42,934,858
Daily BaseLoad Thems	39,708	40,104	40,690	41,268	41,708	41,932	42,388	42,844	43,403	43,906
Peak Day Thems	474,829	487,778	494,062	500,280	506,356	510,518	517,067	527,542	533,344	538,684
Thems Per Residential Customer	2,873	2,885	2,873	2,872	2,872	2,885	2,873	2,873	2,873	2,883
Thems Per Commercial Customer	28,978	29,153	29,009	29,001	28,996	29,143	29,037	29,057	29,056	29,167
Thems Per Industrial Customer	119,762	119,178	118,709	118,694	118,693	119,157	118,702	118,283	118,283	118,736
Residential Customers	28,574	29,078	29,573	30,059	30,536	31,006	31,468	31,924	32,373	32,815
Commercial Customers	4,182	4,221	4,259	4,296	4,333	4,369	4,405	4,443	4,478	4,513
Industrial Customers	37	37	37	37	37	37	37	37	37	37
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	32,795	33,338	33,870	34,394	34,908	35,415	35,912	36,405	36,890	37,367
Zone 24										
Total Thems Pct. Growth		0.59%	-0.21%	0.21%	0.26%	0.66%	-0.11%	0.25%	0.30%	0.62%
Residential Thems	4,307,748	4,337,258	4,330,433	4,343,014	4,359,071	4,393,990	4,391,324	4,406,184	4,420,951	4,450,973
Commercial Thems	4,227,288	4,251,791	4,242,453	4,250,901	4,260,454	4,286,921	4,282,457	4,292,440	4,301,303	4,326,852
Industrial Thems	224,818	225,299	224,818	224,818	224,818	225,281	224,818	224,818	224,818	223,813
Ind., Inst., & Cmul. Interrup. Thems	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,566
Total Core Thems	9,799,225	9,857,335	9,833,076	9,857,896	9,883,506	9,948,178	9,937,972	9,962,814	9,992,539	10,054,205
Daily BaseLoad Thems	7,545	7,504	7,567	7,632	7,648	7,602	7,569	7,585	7,650	7,714
Peak Day Thems	103,571	105,157	105,380	105,642	105,941	105,021	105,349	107,083	107,385	107,770
Thems Per Residential Customer	1,627	1,634	1,627	1,626	1,626	1,634	1,627	1,627	1,627	1,633
Thems Per Commercial Customer	8,022	8,055	8,022	8,020	8,020	8,054	8,021	8,020	8,020	8,051
Thems Per Industrial Customer	35,501	35,613	35,501	35,501	35,501	35,610	35,501	35,501	35,733	35,813
Residential Customers	7,147	7,165	7,184	7,206	7,232	7,258	7,284	7,308	7,332	7,353
Commercial Customers	1,433	1,436	1,439	1,442	1,445	1,449	1,453	1,456	1,460	1,463
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,603	8,624	8,646	8,671	8,701	8,729	8,760	8,787	8,815	8,839
Zone 26										
Total Thems Pct. Growth		0.94%	0.16%	0.43%	0.49%	0.80%	0.02%	0.34%	0.37%	0.89%
Residential Thems	1,591,431	1,612,987	1,622,243	1,636,097	1,651,335	1,672,755	1,680,210	1,693,868	1,707,579	1,726,439
Commercial Thems	5,041,677	5,090,101	5,097,843	5,116,764	5,136,307	5,172,663	5,171,826	5,186,247	5,201,720	5,234,763
Industrial Thems	1,197,271	1,201,294	1,197,253	1,198,666	1,203,125	1,209,556	1,205,386	1,205,380	1,206,097	1,211,153
Ind., Inst., & Cmul. Interrup. Thems	103,528	103,926	103,528	103,528	103,528	103,957	103,528	103,528	103,528	103,679
Total Core Thems	7,933,907	8,008,309	8,020,867	8,055,055	8,094,295	8,158,932	8,160,950	8,189,022	8,218,923	8,276,034
Daily BaseLoad Thems	9,485	9,438	9,557	9,673	9,719	9,658	9,612	9,640	9,750	9,832
Peak Day Thems	80,876	81,207	81,634	82,205	82,954	80,293	80,582	83,605	83,884	86,056
Thems Per Residential Customer	3,419	3,435	3,419	3,426	3,435	3,465	3,454	3,454	3,454	3,463
Thems Per Commercial Customer	76,325	76,498	76,315	75,705	75,700	75,888	76,894	76,894	76,888	77,060
Thems Per Industrial Customer	156,401	156,887	156,400	156,395	156,395	156,943	156,401	156,401	156,400	156,952
Residential Customers	2,896	2,924	2,951	2,978	3,004	3,030	3,055	3,080	3,105	3,130
Commercial Customers	1,172	1,180	1,187	1,193	1,199	1,203	1,208	1,212	1,216	1,221
Industrial Customers	32	32	32	32	32	33	33	33	33	33
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,101	4,137	4,172	4,204	4,237	4,267	4,297	4,325	4,354	4,384

Appendix B
Demand Forecast
Low Scenario

Zone 30-S	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.82%	0.07%	0.41%	0.66%	0.75%	0.04%	0.42%	0.42%	0.78%
Residential Therms	25,332,497	25,560,872	25,596,657	25,720,978	25,838,511	26,059,923	26,088,573	26,215,581	26,340,099	26,562,461
Commercial Therms	15,218,130	15,329,504	15,331,536	15,381,872	15,560,889	15,672,013	15,666,048	15,719,631	15,777,264	15,887,295
Industrial Therms	596,571	599,269	596,571	596,503	581,761	566,653	563,787	563,787	563,787	566,721
Ind., Inst., & Cmcl. Interrup. Therms	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Therms	41,988,591	42,334,549	42,365,557	42,540,746	42,822,593	43,144,075	43,159,800	43,340,392	43,522,543	43,862,341
Daily BaseLoad Therms	39,669	39,715	40,017	40,310	40,593	40,614	40,647	40,812	41,111	41,400
Peak Day Therms	386,628	392,025	393,841	395,570	397,618	396,324	396,078	404,134	405,927	407,327
Therms Per Residential Customer	1,418	1,424	1,418	1,418	1,418	1,424	1,418	1,418	1,418	1,423
Therms Per Commercial Customer	8,030	8,057	8,026	8,023	8,060	8,089	8,057	8,056	8,053	8,078
Therms Per Industrial Customer	42,612	42,805	42,612	42,607	42,328	41,618	41,408	41,408	41,408	41,624
Residential Customers	36,207	36,397	36,583	36,765	36,933	37,108	37,287	37,469	37,647	37,830
Commercial Customers	3,803	3,818	3,834	3,849	3,864	3,878	3,893	3,908	3,924	3,938
Industrial Customers	28	28	28	28	28	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	40,039	40,245	40,447	40,644	40,827	41,015	41,209	41,406	41,600	41,798

Zone 30-W	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.87%	0.16%	0.54%	0.54%	0.88%	0.11%	0.47%	0.47%	0.82%
Residential Therms	60,588,555	61,131,412	61,215,861	61,520,436	61,831,461	62,381,339	62,455,620	62,761,586	63,066,536	63,592,823
Commercial Therms	31,938,688	32,209,872	32,284,167	32,488,454	32,684,580	32,979,274	33,018,014	33,168,190	33,323,593	33,591,954
Industrial Therms	2,743,751	2,759,738	2,758,957	2,765,367	2,775,213	2,796,275	2,795,765	2,805,508	2,811,446	2,830,314
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	95,270,993	96,101,021	96,258,986	96,774,257	97,301,254	98,158,888	98,269,398	98,735,284	99,201,576	100,015,092
Daily BaseLoad Therms	90,227	90,300	91,155	92,026	92,529	92,609	92,679	93,112	93,926	94,738
Peak Day Therms	909,761	925,548	930,391	935,287	940,088	933,199	937,850	954,161	958,786	963,637
Therms Per Residential Customer	5,619	5,642	5,619	5,618	5,618	5,642	5,619	5,619	5,619	5,640
Therms Per Commercial Customer	35,681	35,120	34,840	34,807	34,814	34,956	34,818	34,815	34,812	34,923
Therms Per Industrial Customer	206,711	207,260	206,711	206,705	206,705	207,237	206,711	206,711	206,711	207,209
Residential Customers	83,095	83,526	83,955	84,382	84,809	85,233	85,655	86,074	86,492	86,908
Commercial Customers	10,095	10,147	10,203	10,262	10,318	10,371	10,425	10,474	10,526	10,577
Industrial Customers	184	185	186	186	187	188	188	189	189	190
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	93,374	93,857	94,343	94,830	95,314	95,792	96,267	96,737	97,207	97,675

Zone GTN	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		1.62%	0.72%	1.15%	1.11%	1.71%	0.64%	1.04%	1.02%	1.41%
Residential Therms	34,260,811	34,937,897	35,312,495	35,832,119	36,348,775	37,020,220	37,363,448	37,857,517	38,345,425	38,894,154
Commercial Therms	19,431,707	19,628,489	19,655,400	19,758,847	19,857,407	20,148,600	20,172,008	20,276,478	20,379,315	20,568,904
Industrial Therms	1,873,266	1,902,238	1,913,807	1,949,504	1,976,481	2,013,868	2,027,039	2,051,778	2,077,724	2,110,459
Ind., Inst., & Cmcl. Interrup. Therms	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,076
Total Core Therms	55,863,270	56,768,005	57,179,189	57,837,956	58,480,149	59,481,763	59,859,982	60,483,260	61,099,951	61,962,593
Daily BaseLoad Therms	49,384	49,745	50,524	51,291	51,885	52,394	52,734	53,279	54,040	54,766
Peak Day Therms	671,044	685,273	693,310	701,270	708,915	710,706	718,142	732,536	739,918	750,292
Therms Per Residential Customer	7,520	7,561	7,536	7,543	7,550	7,592	7,566	7,574	7,581	7,620
Therms Per Commercial Customer	37,311	37,470	37,312	37,313	37,310	37,496	37,338	37,342	37,340	37,495
Therms Per Industrial Customer	111,871	112,535	112,262	113,661	115,157	115,866	115,609	115,845	116,078	116,767
Residential Customers	46,272	46,975	47,669	48,364	49,051	49,730	50,393	51,049	51,697	52,337
Commercial Customers	6,834	6,876	6,917	6,956	6,992	7,028	7,068	7,107	7,145	7,183
Industrial Customers	92	93	94	95	96	97	98	99	100	101
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	53,200	53,945	54,681	55,416	56,140	56,856	57,560	58,256	58,942	59,622

Zone ME-OR	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.70%	-0.08%	0.31%	0.41%	0.78%	-0.03%	0.36%	0.41%	0.74%
Residential Therms	6,192,741	6,250,026	6,256,191	6,289,745	6,331,064	6,395,759	6,398,791	6,433,627	6,472,628	6,535,033
Commercial Therms	7,033,400	7,075,191	7,062,850	7,075,803	7,096,209	7,145,171	7,143,382	7,164,584	7,188,478	7,235,235
Industrial Therms	651,829	654,181	651,829	651,741	651,741	654,181	651,829	651,829	651,829	654,004
Ind., Inst., & Cmcl. Interrup. Therms	1,191,430	1,194,914	1,191,430	1,191,314	1,191,314	1,194,872	1,191,430	1,191,430	1,191,430	1,194,864
Total Core Therms	15,069,401	15,174,313	15,162,301	15,208,604	15,270,323	15,389,983	15,385,432	15,441,470	15,500,366	15,619,127
Daily BaseLoad Therms	16,327	16,331	16,436	16,545	16,604	16,610	16,598	16,654	16,779	16,924
Peak Day Therms	173,464	175,383	175,982	176,617	177,462	176,375	177,030	179,743	180,540	179,974
Therms Per Residential Customer	3,114	3,126	3,114	3,113	3,113	3,126	3,114	3,114	3,114	3,125
Therms Per Commercial Customer	25,278	25,354	25,255	25,239	25,225	25,301	25,196	25,184	25,168	25,237
Therms Per Industrial Customer	108,943	109,289	108,943	108,929	108,929	109,289	108,943	108,943	108,943	109,262
Residential Customers	10,882	10,941	10,995	11,056	11,130	11,198	11,249	11,310	11,380	11,448
Commercial Customers	1,856	1,860	1,854	1,869	1,875	1,882	1,889	1,896	1,903	1,910
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	12,767	12,830	12,888	12,954	13,034	13,109	13,167	13,235	13,311	13,386

Zone ME-WA	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Therms Pct. Growth		0.84%	0.02%	0.40%	0.40%	0.83%	0.01%	0.39%	0.39%	0.78%
Residential Therms	7,098,801	7,162,267	7,171,466	7,206,845	7,242,772	7,306,866	7,314,750	7,350,141	7,385,338	7,447,141
Commercial Therms	5,152,832	5,187,268	5,188,295	5,205,409	5,222,892	5,257,654	5,258,094	5,275,514	5,292,593	5,326,209
Industrial Therms	149,773	154,910	154,402	154,386	154,388	159,422	158,903	158,901	159,628	163,756
Ind., Inst., & Cmcl. Interrup. Therms	732,977	739,869	732,977	732,977	733,182	739,869	732,977	732,977	732,977	739,869
Total Core Therms	13,134,384	13,244,314	13,247,139	13,299,617	13,353,233	13,463,811	13,464,723	13,517,532	13,570,535	13,676,975
Daily BaseLoad Therms	12,694	12,721	12,810	12,898	12,950	12,972	12,987	13,038	13,127	13,220
Peak Day Therms	160,229	162,521	163,243	163,962	164,677	165,952	166,655	168,515	169,225	170,513
Therms Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Therms Per Commercial Customer	3,975	3,985	3,970	3,967	3,965	3,976	3,961	3,958	3,956	3,966
Therms Per Industrial Customer	9,264	9,295	9,264	9,263	9,263	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,259	11,317	11,375	11,432	11,493	11,546	11,602	11,659	11,714	11,769
Commercial Customers	1,296	1,302	1,307	1,312	1,317	1,322	1,328	1,333	1,338	1,343
Industrial Customers	16	17	17	17	17	17	17	17	17	17
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,572	12,636	12,699	12,761	12,823 </					

Appendix B
Demand Forecast
Low Scenario

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Bellingham District										
Total Thems Pct. Growth		0.89%	0.17%	0.51%	0.50%	0.88%	0.11%	0.48%	0.48%	0.83%
Residential Thems	32,903,945	33,201,423	33,249,132	33,416,702	33,587,140	33,886,758	33,928,286	34,095,882	34,263,020	34,552,056
Commercial Thems	15,565,129	15,698,521	15,734,625	15,817,176	15,890,977	16,025,688	16,038,782	16,111,307	16,183,538	16,312,614
Industrial Thems	1,067,808	1,076,910	1,078,746	1,085,423	1,091,491	1,100,667	1,102,971	1,109,608	1,115,546	1,125,672
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	49,536,881	49,976,854	50,062,503	50,319,300	50,569,608	51,013,114	51,070,039	51,316,797	51,562,104	51,990,342
Daily BaseLoad Thems	45,011	45,080	45,493	45,895	46,121	46,183	46,243	46,465	46,851	47,237
Peak Day Thems	496,024	503,509	506,108	508,671	511,220	508,401	510,907	518,736	521,238	523,998
Thems Per Residential Customer	2,756	2,786	2,756	2,755	2,755	2,766	2,756	2,756	2,756	2,765
Thems Per Commercial Customer	20,112	20,188	19,968	19,933	19,933	20,016	19,940	19,940	19,939	19,977
Thems Per Industrial Customer	17,769	17,827	17,769	17,768	17,768	17,827	17,769	17,769	17,769	17,823
Residential Customers	44,272	44,505	44,736	44,966	45,195	45,423	45,650	45,875	46,100	46,324
Commercial Customers	5,210	5,236	5,263	5,289	5,315	5,341	5,366	5,392	5,417	5,442
Industrial Customers	65	66	66	66	67	67	67	68	68	69
Interruption Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	49,547	49,806	50,065	50,322	50,577	50,831	51,084	51,335	51,586	51,834

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Mount Vernon District										
Total Thems Pct. Growth		0.85%	0.16%	0.56%	0.60%	0.89%	0.11%	0.46%	0.47%	0.81%
Residential Thems	27,684,610	27,929,988	27,966,729	28,103,735	28,244,321	28,494,581	28,527,334	28,665,704	28,803,516	29,040,767
Commercial Thems	16,373,559	16,511,351	16,549,542	16,671,278	16,803,603	16,953,585	16,979,232	17,056,883	17,140,056	17,279,340
Industrial Thems	1,675,943	1,682,827	1,680,212	1,679,945	1,683,722	1,697,608	1,692,794	1,695,900	1,695,900	1,704,643
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	45,734,112	46,124,167	46,196,483	46,454,957	46,731,645	47,145,774	47,199,360	47,418,486	47,639,472	48,024,749
Daily BaseLoad Thems	45,216	45,220	45,661	46,131	46,407	46,426	46,436	46,647	47,075	47,501
Peak Day Thems	413,737	422,039	424,283	426,616	428,868	424,798	426,943	436,425	437,548	439,639
Thems Per Residential Customer	2,863	2,875	2,863	2,863	2,863	2,875	2,863	2,863	2,863	2,875
Thems Per Commercial Customer	15,569	14,933	14,873	14,873	14,882	14,940	14,873	14,875	14,873	14,926
Thems Per Industrial Customer	188,942	189,434	188,942	188,937	188,937	189,410	188,942	188,942	188,942	189,386
Residential Customers	38,823	39,021	39,219	39,416	39,613	39,810	40,005	40,199	40,392	40,584
Commercial Customers	4,886	4,911	4,940	4,973	5,003	5,031	5,058	5,083	5,109	5,135
Industrial Customers	119	119	119	119	120	120	121	121	121	121
Interruption Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	43,828	44,051	44,278	44,509	44,737	44,961	45,184	45,402	45,622	45,840

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Bremerton District										
Total Thems Pct. Growth		0.89%	0.14%	0.48%	0.77%	0.81%	0.10%	0.48%	0.48%	0.85%
Residential Thems	22,777,693	22,994,678	23,038,336	23,164,671	23,286,676	23,499,841	23,538,444	23,664,848	23,790,082	24,004,080
Commercial Thems	12,241,682	12,342,542	12,355,510	12,406,361	12,584,095	12,683,054	12,687,322	12,741,472	12,796,393	12,899,782
Industrial Thems	458,978	461,007	458,978	458,978	444,235	428,391	426,193	426,193	426,193	428,595
Ind., Inst., & Cmcl. Interrup. Thems	841,393	844,903	841,393	841,393	841,393	845,486	841,393	841,393	841,393	845,865
Total Core Thems	36,319,745	36,643,130	36,694,216	36,871,402	37,156,399	37,456,771	37,493,352	37,673,906	37,856,061	38,178,322
Daily BaseLoad Thems	34,085	34,185	34,431	34,668	34,963	35,032	35,120	35,285	35,528	35,761
Peak Day Thems	337,732	341,569	343,376	345,109	347,190	347,456	349,210	353,722	355,516	356,914
Thems Per Residential Customer	697	700	697	697	697	700	697	697	697	700
Thems Per Commercial Customer	3,994	4,007	3,990	3,988	4,026	4,039	4,022	4,020	4,018	4,031
Thems Per Industrial Customer	32,784	32,929	32,784	32,784	32,505	31,742	31,580	31,580	31,580	31,758
Residential Customers	32,662	32,850	33,035	33,218	33,392	33,569	33,749	33,930	34,109	34,292
Commercial Customers	3,065	3,080	3,097	3,111	3,126	3,140	3,155	3,170	3,185	3,200
Industrial Customers	14	14	14	14	14	13	13	13	13	13
Interruption Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	35,743	35,947	36,148	36,345	36,534	36,725	36,919	37,115	37,310	37,507

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Longview District										
Total Thems Pct. Growth		0.96%	0.17%	0.44%	0.50%	0.82%	0.02%	0.36%	0.38%	0.71%
Residential Thems	1,591,431	1,612,987	1,622,243	1,636,087	1,651,335	1,672,755	1,680,210	1,693,868	1,707,579	1,726,439
Commercial Thems	4,780,226	4,828,110	4,838,387	4,855,224	4,874,773	4,910,554	4,909,221	4,923,641	4,939,114	4,971,541
Industrial Thems	1,197,271	1,201,294	1,197,253	1,198,666	1,203,125	1,209,556	1,205,386	1,205,380	1,206,097	1,211,153
Ind., Inst., & Cmcl. Interrup. Thems	103,528	103,926	103,528	103,528	103,528	103,957	103,528	103,528	103,528	103,679
Total Core Thems	7,672,456	7,746,318	7,759,410	7,793,515	7,832,761	7,896,823	7,898,345	7,926,417	7,956,318	8,012,812
Daily BaseLoad Thems	8,949	8,906	9,024	9,139	9,185	9,128	9,081	9,109	9,219	9,309
Peak Day Thems	80,100	80,375	80,803	81,371	82,121	79,516	79,788	82,753	83,032	85,204
Thems Per Residential Customer	3,419	3,435	3,419	3,426	3,535	3,565	3,554	3,554	3,554	3,563
Thems Per Commercial Customer	13,576	13,620	13,565	13,557	13,553	13,604	13,550	13,548	13,545	13,584
Thems Per Industrial Customer	156,401	156,887	156,400	156,395	156,395	156,943	156,401	156,401	156,400	156,952
Residential Customers	2,896	2,924	2,951	2,978	3,004	3,030	3,055	3,080	3,105	3,130
Commercial Customers	1,168	1,176	1,183	1,189	1,194	1,199	1,203	1,207	1,212	1,217
Industrial Customers	32	32	32	32	32	33	33	33	33	33
Interruption Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,097	4,133	4,168	4,200	4,232	4,262	4,292	4,321	4,350	4,380

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Aberdeen District										
Total Thems Pct. Growth		0.40%	-0.35%	-0.04%	-0.06%	0.37%	-0.37%	0.00%	0.00%	0.31%
Residential Thems	2,554,804	2,566,194	2,557,721	2,556,307	2,551,876	2,560,082	2,550,129	2,550,734	2,550,018	2,558,381
Commercial Thems	2,976,448	2,986,963	2,976,025	2,975,511	2,976,793	2,988,960	2,978,726	2,978,159	2,978,871	2,987,512
Industrial Thems	137,594	138,262	137,594	137,526	137,526	138,262	137,594	137,594	137,594	138,126
Ind., Inst., & Cmcl. Interrup. Thems	0	0	0	0	0	0	0	0	0	0
Total Core Thems	5,668,846	5,691,419	5,671,340	5,669,344	5,666,195	5,687,304	5,666,448	5,666,486	5,666,482	5,684,019
Daily BaseLoad Thems	5,584	5,529	5,586	5,642	5,640	5,583	5,527	5,527	5,583	5,639
Peak Day Thems	48,895	50,455	50,465	50,462	50,428	48,868	48,869	50,412	50,411	50,413
Thems Per Residential Customer	721	724	721	721	721	724	721	721	721	723
Thems Per Commercial Customer	4,036	4,051	4,036	4,035	4,035	4,050	4,036	4,036	4,035	4,047
Thems Per Industrial Customer	9,828	9,876	9,828	9,823	9,823	9,876	9,828	9,828	9,828	9,866
Residential Customers	3,544	3,547	3,548	3,547	3,541	3,538	3,538	3,539	3,538	3,538
Commercial Customers	737	737	737	737	738	738	738	738	738	738
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruption Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,296	4,298								

**Appendix B
Demand Forecast
Low Scenario**

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Kennewick District										
Total Therms Pct. Growth		2.08%	0.94%	1.29%	1.25%	1.82%	0.94%	1.27%	1.14%	1.48%
Residential Therms	16,277,657	16,646,836	16,881,918	17,174,188	17,463,055	17,817,339	18,028,270	18,303,783	18,575,595	18,912,185
Commercial Therms	15,830,716	16,155,194	16,236,879	16,379,593	16,519,922	16,794,520	16,916,807	17,202,337	17,231,161	17,429,946
Industrial Therms	484,580	473,890	472,331	472,301	472,296	474,038	472,320	472,325	472,331	474,174
Ind., Inst., & Cmdl. Interrup. Therms	217,844	218,830	217,844	217,844	217,844	218,969	217,844	217,844	217,844	219,141
Total Core Therms	32,810,798	33,494,750	33,808,972	34,243,927	34,673,116	35,304,865	35,635,242	36,066,290	36,496,932	37,035,445
Daily Baseload Therms	34,736	35,238	35,784	36,328	36,757	37,050	37,528	37,981	38,505	38,992
Peak Day Therms	427,299	437,253	443,487	449,641	455,637	460,008	466,496	475,881	481,597	486,911
Therms Per Residential Customer	1,748	1,755	1,748	1,748	1,748	1,755	1,748	1,748	1,748	1,755
Therms Per Commercial Customer	79,226	79,453	79,263	78,640	78,630	78,852	72,861	72,878	72,872	73,054
Therms Per Industrial Customer	56,478	55,625	55,433	55,430	55,430	55,645	55,432	55,432	55,433	55,666
Residential Customers	26,769	27,274	27,770	28,256	28,735	29,204	29,667	30,123	30,572	31,015
Commercial Customers	3,533	3,571	3,608	3,644	3,679	3,714	3,749	3,786	3,820	3,854
Industrial Customers	18	18	18	18	18	18	18	18	18	18
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	30,322	30,865	31,396	31,920	32,433	32,938	33,435	33,928	34,412	34,888

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Walla Walla District										
Total Therms Pct. Growth		0.84%	0.02%	0.40%	0.40%	0.83%	0.01%	0.39%	0.39%	0.78%
Residential Therms	7,098,801	7,162,287	7,171,466	7,206,845	7,242,772	7,306,866	7,314,750	7,350,141	7,385,338	7,447,141
Commercial Therms	5,152,832	5,187,268	5,188,295	5,205,409	5,222,802	5,257,654	5,258,094	5,275,514	5,292,593	5,326,209
Industrial Therms	149,773	154,910	154,402	154,386	154,388	159,422	158,903	158,901	159,628	163,756
Ind., Inst., & Cmdl. Interrup. Therms	732,977	739,869	732,977	732,977	733,182	739,869	732,977	732,977	732,977	739,869
Total Core Therms	13,134,384	13,244,314	13,247,139	13,299,617	13,353,233	13,463,811	13,464,723	13,517,532	13,570,535	13,676,975
Daily Baseload Therms	12,694	12,721	12,810	12,898	12,950	12,972	12,987	13,038	13,127	13,220
Peak Day Therms	160,229	162,521	163,243	163,962	164,677	165,952	166,655	168,515	169,225	170,513
Therms Per Residential Customer	630	633	630	630	630	633	630	630	630	633
Therms Per Commercial Customer	3,975	3,985	3,970	3,967	3,965	3,976	3,961	3,958	3,956	3,966
Therms Per Industrial Customer	9,264	9,295	9,264	9,263	9,263	9,295	9,264	9,264	9,264	9,292
Residential Customers	11,259	11,317	11,375	11,432	11,489	11,546	11,602	11,658	11,714	11,769
Commercial Customers	1,296	1,302	1,307	1,312	1,317	1,322	1,328	1,333	1,338	1,343
Industrial Customers	16	17	17	17	17	17	17	17	17	18
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	12,572	12,636	12,699	12,761	12,823	12,885	12,947	13,008	13,069	13,130

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Wenatchee District										
Total Therms Pct. Growth		0.48%	-0.38%	0.06%	0.09%	0.54%	-0.34%	-0.04%	0.09%	0.47%
Residential Therms	1,630,353	1,633,835	1,624,888	1,621,787	1,619,159	1,623,931	1,614,888	1,612,579	1,610,082	1,612,848
Commercial Therms	8,587,379	8,643,092	8,612,441	8,622,364	8,635,587	8,687,455	8,661,497	8,671,180	8,683,683	8,730,180
Industrial Therms	1,147,233	1,142,679	1,138,266	1,138,035	1,138,028	1,142,626	1,138,329	1,126,196	1,126,196	1,130,373
Ind., Inst., & Cmdl. Interrup. Therms	109,275	109,621	109,275	109,232	109,232	109,621	109,275	109,275	109,275	109,535
Total Core Therms	11,474,239	11,529,223	11,484,880	11,491,417	11,502,006	11,563,633	11,523,990	11,519,229	11,529,246	11,582,936
Daily Baseload Therms	12,411	12,243	12,325	12,402	12,411	12,288	12,224	12,227	12,305	12,348
Peak Day Therms	91,901	96,185	96,228	96,276	96,344	94,779	94,849	97,259	97,339	97,248
Therms Per Residential Customer	2,280	2,289	2,280	2,279	2,279	2,289	2,280	2,280	2,280	2,287
Therms Per Commercial Customer	29,588	29,705	29,554	29,553	29,554	29,655	29,530	29,524	29,513	29,621
Therms Per Industrial Customer	118,885	119,368	118,890	118,870	118,870	119,375	118,903	118,483	118,483	118,982
Residential Customers	3,062	3,055	3,050	3,045	3,039	3,034	3,029	3,024	3,019	3,013
Commercial Customers	1,406	1,407	1,409	1,410	1,412	1,414	1,415	1,416	1,417	1,419
Industrial Customers	38	38	38	38	38	38	38	38	38	38
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,507	4,502	4,498	4,494	4,490	4,487	4,483	4,479	4,475	4,470

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Yakima District										
Total Therms Pct. Growth		0.77%	0.01%	0.32%	0.37%	0.75%	-0.09%	0.26%	0.25%	0.98%
Residential Therms	16,130,695	16,280,759	16,298,116	16,355,552	16,407,679	16,525,844	16,506,088	16,538,254	16,567,381	16,651,916
Commercial Therms	18,809,250	18,951,979	18,954,437	19,022,639	19,114,161	19,282,703	19,286,601	19,357,799	19,430,406	19,588,692
Industrial Therms	5,150,053	5,164,962	5,150,802	5,151,901	5,159,551	5,177,300	5,155,948	5,157,505	5,157,483	5,177,873
Ind., Inst., & Cmdl. Interrup. Therms	144,075	144,524	144,075	144,075	144,075	144,593	144,075	144,075	144,075	144,634
Total Core Therms	40,234,074	40,542,223	40,545,429	40,674,167	40,825,466	41,130,439	41,092,713	41,197,633	41,299,345	41,582,115
Daily Baseload Therms	38,092	38,143	38,499	38,844	38,969	39,014	38,870	38,954	39,275	39,787
Peak Day Therms	409,219	418,929	420,679	422,198	423,874	418,332	419,706	428,408	429,524	430,386
Therms Per Residential Customer	5,210	5,232	5,210	5,209	5,209	5,232	5,210	5,210	5,210	5,230
Therms Per Commercial Customer	35,276	35,385	35,222	35,195	35,166	35,287	35,125	35,109	35,075	35,169
Therms Per Industrial Customer	207,670	208,197	207,599	207,566	207,565	208,143	207,525	207,525	207,524	208,009
Residential Customers	25,174	25,306	25,434	25,533	25,615	25,691	25,766	25,817	25,863	25,902
Commercial Customers	4,974	4,994	5,016	5,038	5,060	5,081	5,103	5,124	5,145	5,166
Industrial Customers	140	140	140	141	141	141	141	141	141	141
Interruptible Customers	3	3	3	3	3	3	3	3	3	3
Total Core Customers	30,291	30,444	30,594	30,714	30,818	30,916	31,012	31,084	31,152	31,212

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Central Oregon (Bend) District										
Total Therms Pct. Growth		1.62%	0.72%	1.15%	1.11%	1.71%	0.64%	1.04%	1.02%	1.41%
Residential Therms	34,260,811	34,937,897	35,312,495	35,832,119	36,348,775	37,020,220	37,363,448	37,857,517	38,345,425	38,984,154
Commercial Therms	19,431,707	19,628,489	19,655,400	19,758,847	19,857,407	20,148,600	20,172,008	20,276,478	20,379,315	20,568,904
Industrial Therms	1,873,266	1,902,238	1,913,807	1,949,504	1,976,481	2,013,868	2,027,039	2,051,778	2,077,724	2,110,459
Ind., Inst., & Cmdl. Interrup. Therms	297,487	299,381	297,487	297,487	297,487	299,075	297,487	297,487	297,487	299,075
Total Core Therms	55,863,270	56,768,005	57,179,189	57,837,956	58,480,149	59,481,763	59,859,982	60,483,260	61,099,951	61,962,593
Daily Baseload Therms	49,384	49,745	50,524	51,291	51,885	52,394	52,734	53,279	54,040	54,766
Peak Day Therms	671,044	685,273	693,310	701,270	708,915	710,706	712,142	732,536	739,918	750,292
Therms Per Residential Customer	7,520	7,561	7,536	7,543	7,550	7,592	7,566	7,574	7,581	7,620
Therms Per Commercial Customer	37,311	37,470	37,312	37,313	37,310	37,496	37,338	37,342	37,340	37,495
Therms Per Industrial Customer	111,871	112,535	112,262	113,661	115,157	115,866	115,609	115,845	116,078	116,767
Residential Customers	46,272	46,975	47,669	48,364	49,051	49,730	50,393	51,049	51,697	52,337
Commercial Customers	6,834	6,876	6							

Appendix B
Demand Forecast
Low Scenario

Pendleton District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.70%	-0.08%	0.31%	0.41%	0.78%	-0.03%	0.36%	0.41%	0.74%
Residential Thems	6,192,741	6,250,026	6,256,191	6,289,745	6,331,064	6,395,759	6,398,791	6,433,627	6,472,628	6,535,033
Commercial Thems	7,033,400	7,075,191	7,062,850	7,075,803	7,096,209	7,145,171	7,143,382	7,164,584	7,188,478	7,235,235
Industrial Thems	651,829	654,181	651,829	651,741	651,741	654,181	651,829	651,829	651,829	654,004
Ind., Inst., & Cmcl. Interrup. Thems	1,191,430	1,194,914	1,191,430	1,191,314	1,191,314	1,194,872	1,191,430	1,191,430	1,191,430	1,194,856
Total Core Thems	15,069,401	15,174,313	15,162,301	15,208,604	15,270,328	15,389,903	15,385,432	15,441,470	15,504,366	15,619,127
Daily BaseLoad Thems	16,327	16,331	16,436	16,545	16,604	16,610	16,598	16,654	16,779	16,924
Peak Day Thems	173,464	175,383	175,962	176,617	177,462	176,375	177,030	179,743	180,540	179,974
Thems Per Residential Customer	3,114	3,126	3,114	3,113	3,113	3,126	3,114	3,114	3,114	3,125
Thems Per Commercial Customer	25,278	25,354	25,255	25,239	25,225	25,301	25,196	25,184	25,168	25,237
Thems Per Industrial Customer	108,943	109,289	108,943	108,929	108,929	109,289	108,943	108,943	108,943	109,262
Residential Customers	10,882	10,941	10,995	11,056	11,130	11,198	11,249	11,310	11,380	11,448
Commercial Customers	1,856	1,860	1,864	1,869	1,875	1,882	1,889	1,896	1,903	1,910
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	12,767	12,830	12,888	12,954	13,034	13,109	13,167	13,235	13,311	13,386

Eastern Oregon (Ontario) District	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.59%	-0.21%	0.21%	0.26%	0.66%	-0.11%	0.25%	0.30%	0.62%
Residential Thems	4,307,748	4,337,258	4,330,433	4,343,014	4,359,071	4,393,990	4,391,324	4,406,184	4,420,951	4,450,973
Commercial Thems	4,227,288	4,261,791	4,242,453	4,250,901	4,260,454	4,286,921	4,282,457	4,292,440	4,301,303	4,326,852
Industrial Thems	224,818	225,299	224,818	224,818	224,818	225,281	224,818	224,818	230,912	233,813
Ind., Inst., & Cmcl. Interrup. Thems	1,039,372	1,042,986	1,039,372	1,039,162	1,039,162	1,042,986	1,039,372	1,039,372	1,039,372	1,042,566
Total Core Thems	9,799,225	9,877,335	9,857,076	9,873,896	9,883,506	9,948,178	9,937,972	9,962,844	9,992,539	10,054,205
Daily BaseLoad Thems	7,545	7,504	7,567	7,632	7,648	7,602	7,569	7,585	7,650	7,714
Peak Day Thems	103,571	105,157	105,380	105,642	105,941	105,021	105,349	107,083	107,385	107,770
Thems Per Residential Customer	1,627	1,634	1,627	1,626	1,626	1,634	1,627	1,627	1,627	1,633
Thems Per Commercial Customer	8,022	8,055	8,020	8,020	8,020	8,054	8,020	8,020	8,020	8,051
Thems Per Industrial Customer	35,501	35,613	35,501	35,501	35,501	35,610	35,501	35,501	35,733	35,813
Residential Customers	7,147	7,165	7,184	7,206	7,232	7,258	7,284	7,308	7,332	7,353
Commercial Customers	1,433	1,436	1,439	1,442	1,445	1,449	1,453	1,456	1,460	1,463
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,603	8,624	8,646	8,671	8,701	8,729	8,760	8,787	8,815	8,839

Oregon	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.32%	0.46%	0.88%	0.89%	1.42%	0.43%	0.83%	0.83%	1.20%
Residential Thems	44,761,299	45,525,181	45,899,119	46,464,879	47,038,910	47,809,969	48,153,563	48,697,328	49,239,004	49,870,160
Commercial Thems	30,692,394	30,955,472	30,960,703	31,065,551	31,214,070	31,580,692	31,597,848	31,733,502	31,869,096	32,130,990
Industrial Thems	2,749,913	2,781,718	2,790,454	2,826,063	2,853,040	2,893,330	2,903,686	2,928,425	2,960,466	2,998,276
Ind., Inst., & Cmcl. Interrup. Thems	2,528,289	2,537,282	2,528,289	2,527,964	2,527,964	2,536,933	2,528,289	2,528,289	2,528,290	2,536,998
Total Core Thems	80,731,896	81,799,652	82,178,566	82,904,456	83,633,983	84,820,924	85,183,386	85,887,544	86,596,856	87,635,925
Daily BaseLoad Thems	73,256	73,581	74,527	75,468	76,138	76,605	76,901	77,517	78,469	79,404
Peak Day Thems	948,079	965,814	974,672	983,529	992,318	992,102	1,000,520	1,019,361	1,027,842	1,038,037
Thems Per Residential Customer	12,260	12,320	12,276	12,282	12,290	12,351	12,306	12,314	12,321	12,378
Thems Per Commercial Customer	70,611	70,880	70,589	70,572	70,556	70,851	70,556	70,546	70,528	70,783
Thems Per Industrial Customer	256,315	257,438	256,706	258,091	259,587	260,765	260,053	260,289	260,753	261,842
Residential Customers	64,301	65,081	65,849	66,627	67,412	68,186	68,925	69,667	70,408	71,137
Commercial Customers	10,124	10,172	10,220	10,267	10,313	10,359	10,410	10,459	10,507	10,556
Industrial Customers	141	142	143	144	145	146	147	148	149	150
Interruptible Customers	4	4	4	4	4	4	4	4	4	4
Total Core Customers	74,570	75,400	76,215	77,041	77,874	78,695	79,496	80,278	81,068	81,847

Washington	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		0.99%	0.20%	0.55%	0.60%	0.95%	0.15%	0.51%	0.50%	0.85%
Residential Thems	128,649,989	130,028,968	130,408,559	131,235,883	132,054,013	133,387,997	133,688,400	134,475,792	135,252,621	136,505,813
Commercial Thems	100,317,221	101,305,015	101,444,142	101,955,555	102,622,803	103,584,174	103,716,282	104,208,291	104,677,816	105,505,818
Industrial Thems	11,469,233	11,496,738	11,468,582	11,477,160	11,483,561	11,492,807	11,490,438	11,489,602	11,496,966	11,554,363
Ind., Inst., & Cmcl. Interrup. Thems	2,149,091	2,161,673	2,149,091	2,149,048	2,149,253	2,162,495	2,149,091	2,149,091	2,149,091	2,162,722
Total Core Thems	242,585,534	244,992,397	245,470,374	246,817,647	248,310,433	250,662,535	251,044,211	252,322,776	253,576,495	255,728,716
Daily BaseLoad Thems	236,778	237,266	239,614	241,947	243,395	243,676	244,016	245,234	247,468	249,794
Peak Day Thems	2,465,136	2,512,836	2,528,672	2,544,306	2,560,359	2,548,110	2,563,422	2,611,111	2,625,431	2,641,226
Thems Per Residential Customer	20,325	20,410	20,325	20,328	20,438	20,539	20,460	20,460	20,460	20,530
Thems Per Commercial Customer	205,351	205,326	204,439	203,741	203,735	204,420	197,902	197,887	197,827	198,395
Thems Per Industrial Customer	798,022	799,436	796,909	796,837	796,557	798,256	795,644	795,224	795,223	797,735
Residential Customers	188,461	189,799	191,118	192,390	193,624	194,846	196,061	197,244	198,412	199,567
Commercial Customers	26,275	26,415	26,560	26,704	26,844	26,979	27,115	27,248	27,381	27,513
Industrial Customers	458	458	459	459	460	462	462	463	463	464
Interruptible Customers	8	8	8	8	8	8	8	8	8	8
Total Core Customers	215,202	216,681	218,145	219,562	220,937	222,295	223,646	224,963	226,264	227,553

System	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total Thems Pct. Growth		1.07%	0.26%	0.63%	0.67%	1.07%	0.22%	0.59%	0.58%	0.94%
Residential Thems	173,411,289	175,554,149	176,307,678	177,700,762	179,092,923	181,197,966	181,841,963	183,173,120	184,491,625	186,475,973
Commercial Thems	131,009,615	132,260,490	132,404,845	133,041,106	133,836,873	135,164,866	135,314,129	135,941,793	136,546,912	137,636,808
Industrial Thems	14,219,146	14,278,456	14,259,036	14,303,223	14,337,401	14,421,200	14,394,124	14,418,027	14,457,432	14,552,640
Ind., Inst., & Cmcl. Interrup. Thems	4,677,381	4,698,954	4,677,381	4,677,012	4,677,217	4,699,427	4,677,381	4,677,381	4,677,381	4,699,220
Total Core Thems	323,317,431	326,792,049	327,648,940	329,722,103	331,944,413	335,483,458	336,227,597	338,210,321	340,173,351	343,364,641
Daily BaseLoad Thems	310,035	310,847	314,141	317,415	319,533	320,281	320,918	322,751	325,936	329,196
Peak Day Thems	3,413,215	3,478,649	3,503,344	3,527,834	3,562,678	3,540,211	3,563,942	3,630,472	3,653,272	3,679,262
Thems Per Residential Customer	32,585	32,730	32,600	32,611	32,726	32,891	32,767	32,774	32,781	32,909
Thems Per Commercial Customer	275,962	276,206	275,028	274,313	274,291	275,271	268,457	268,433	268,354	269,178
Thems Per Industrial Customer	1,054,337	1,056,874	1,053,615	1,054,928	1,056,144	1,059,021	1,055,697	1,055,513	1,055,976	1,059,577
Residential Customers	252,762	254,880	256,966	259,017	261,037	263,032	264,986	266,912	268,820	270,70

**Appendix B
Demand Forecast
Low Scenario**

Hermiston	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.03%	0.35%	0.35%	0.71%	-0.05%	0.34%	0.35%	0.76%	0.60%	0.33%
Residential Therms	2,489,478	2,500,447	2,511,347	2,531,996	2,532,644	2,543,468	2,554,681	2,575,311	2,576,095	2,586,772
Commercial Therms	2,953,176	2,962,022	2,971,121	2,990,510	2,988,040	2,996,900	3,006,072	3,028,129	3,064,727	3,073,342
Industrial Therms	285,101	285,101	285,101	286,073	285,070	285,070	285,101	286,073	285,101	285,101
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,727,754	5,747,570	5,767,569	5,808,580	5,805,754	5,825,438	5,845,854	5,890,513	5,925,924	5,945,215
Daily BaseLoad Therms	6,373	6,367	6,361	6,411	6,460	6,482	6,504	6,470	6,504	6,554
Peak Day Therms	71,107	70,524	70,780	71,632	71,886	72,141	72,395	71,941	73,047	73,297
Therms Per Residential Customer	624	624	624	627	624	624	624	627	624	624
Therms Per Commercial Customer	3,974	3,972	3,971	3,984	3,967	3,966	3,965	3,983	4,015	4,013
Therms Per Industrial Customer	35,638	35,638	35,638	35,759	35,634	35,634	35,638	35,759	35,638	35,638
Residential Customers	3,988	4,006	4,023	4,041	4,058	4,076	4,093	4,110	4,127	4,144
Commercial Customers	743	746	748	751	753	756	758	761	763	766
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,740	4,760	4,780	4,800	4,819	4,839	4,859	4,879	4,899	4,918

Huntington	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.19%	0.43%	0.43%	0.89%	-0.15%	0.32%	0.24%	0.69%	-0.24%	0.22%
Residential Therms	53,672	53,868	54,064	54,510	54,444	54,639	54,841	55,287	55,225	55,416
Commercial Therms	30,766	30,934	31,100	31,410	31,343	31,425	31,430	31,575	31,430	31,430
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	84,438	84,802	85,164	85,920	85,787	86,064	86,271	86,862	86,654	86,845
Daily BaseLoad Therms	13	13	13	13	13	14	14	13	13	13
Peak Day Therms	7,043	6,992	6,995	7,054	7,054	7,060	7,074	7,074	7,839	7,841
Therms Per Residential Customer	411	411	411	413	411	411	411	413	411	411
Therms Per Commercial Customer	2,029	2,029	2,029	2,038	2,028	2,028	2,029	2,038	2,029	2,029
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	131	131	132	132	133	133	133	134	134	135
Commercial Customers	15	15	15	15	15	15	15	15	15	15
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	146	146	147	147	148	149	149	149	150	150

La Pine	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.31%	0.82%	0.61%	1.25%	0.21%	0.67%	0.77%	1.03%	0.28%	0.59%
Residential Therms	159,147	161,085	163,002	165,629	166,722	168,568	170,508	173,059	174,133	175,951
Commercial Therms	384,603	387,115	388,527	392,795	392,887	394,808	397,203	400,498	401,004	402,574
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	543,750	548,200	551,529	558,424	559,610	563,376	567,711	573,557	575,137	578,525
Daily BaseLoad Therms	567	565	561	573	584	588	592	580	584	596
Peak Day Therms	3,092	3,046	3,067	3,021	3,043	3,065	3,087	3,086	3,182	3,203
Therms Per Residential Customer	617	617	617	619	616	616	617	619	617	617
Therms Per Commercial Customer	2,785	2,785	2,785	2,797	2,784	2,784	2,785	2,797	2,785	2,785
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	258	261	264	267	270	273	277	279	282	285
Commercial Customers	138	139	140	140	141	142	143	143	144	145
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	396	400	404	408	412	415	419	423	426	430

Madras	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.12%	0.31%	0.30%	0.76%	-0.19%	0.30%	0.31%	0.76%	-0.18%	0.29%
Residential Therms	729,635	734,476	739,221	747,382	748,469	753,186	758,024	766,133	767,256	771,799
Commercial Therms	1,217,392	1,221,407	1,225,158	1,234,198	1,232,307	1,236,145	1,240,044	1,249,228	1,247,425	1,251,343
Industrial Therms	608,083	608,083	608,083	611,090	607,879	607,879	608,083	611,090	608,083	608,083
Ind., Inst., & Cmdl. Interrup. Therms	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Therms	2,852,597	2,861,453	2,869,949	2,891,772	2,886,141	2,894,696	2,903,638	2,925,578	2,920,251	2,928,713
Daily BaseLoad Therms	2,634	2,620	2,606	2,632	2,663	2,672	2,680	2,642	2,650	2,681
Peak Day Therms	35,081	34,477	31,079	34,707	34,805	34,906	35,002	34,937	35,754	36,335
Therms Per Residential Customer	568	568	568	570	568	568	568	570	568	568
Therms Per Commercial Customer	3,128	3,128	3,128	3,141	3,127	3,127	3,128	3,141	3,128	3,128
Therms Per Industrial Customer	35,770	35,770	35,770	35,946	35,758	35,758	35,770	35,946	35,770	35,770
Residential Customers	1,285	1,293	1,302	1,310	1,318	1,327	1,335	1,343	1,351	1,359
Commercial Customers	389	391	392	393	394	395	396	398	399	400
Industrial Customers	17	17	17	17	17	17	17	17	17	17
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	1,692	1,702	1,712	1,721	1,731	1,740	1,749	1,759	1,768	1,777

Milton-Freewater	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.03%	0.41%	0.37%	0.66%	-0.14%	0.41%	0.37%	0.64%	-0.05%	0.39%
Residential Therms	107,126	107,551	108,041	108,937	108,917	109,401	109,883	110,811	110,841	111,285
Commercial Therms	304,782	306,181	307,341	309,297	308,810	310,188	311,369	313,212	313,082	314,445
Industrial Therms	34,468	34,468	34,468	34,592	34,454	34,454	34,468	34,592	34,468	34,468
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	446,376	448,200	449,851	452,826	452,182	454,044	455,720	458,615	458,391	460,198
Daily BaseLoad Therms	474	469	464	472	479	481	483	470	472	480
Peak Day Therms	5,470	5,297	5,318	5,534	5,551	5,576	5,595	5,410	5,632	5,656
Therms Per Residential Customer	433	433	433	435	433	433	433	435	433	433
Therms Per Commercial Customer	2,893	2,893	2,893	2,903	2,891	2,891	2,893	2,903	2,893	2,893
Therms Per Industrial Customer	6,894	6,894	6,894	6,918	6,891	6,891	6,894	6,918	6,894	6,894
Residential Customers	247	248	249	250	252	253	254	255	256	257
Commercial Customers	105	106	106	107	107	107	108	108	108	109
Industrial Customers	5	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	358	359	361	362	363	365	366	368	369	371

**Appendix B
Demand Forecast
Low Scenario**

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Mission Tap										
Total Therms Pct. Growth	-0.23%	0.31%	0.70%	0.48%	-0.13%	0.76%	0.10%	0.54%	0.44%	0.11%
Residential Therms	125,800	126,330	126,879	127,941	127,991	128,575	129,094	130,113	130,187	130,720
Commercial Therms	365,202	366,173	369,080	370,423	369,720	372,919	372,919	374,594	376,721	376,721
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmpl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	491,002	492,504	495,959	498,364	497,712	501,494	502,012	504,707	506,908	507,441
Daily Baseload Therms	530	532	536	536	537	542	542	543	547	548
Peak Day Therms	1,899	1,893	1,900	1,920	1,927	1,935	1,941	1,934	1,955	1,962
Therms Per Residential Customer	541	541	541	543	541	541	541	543	541	541
Therms Per Commercial Customer	8,030	8,030	8,030	8,059	8,030	8,030	8,030	8,059	8,030	8,030
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	233	234	235	236	237	238	239	240	241	242
Commercial Customers	45	46	46	46	46	46	46	46	47	47
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	278	279	281	282	283	284	285	286	288	289

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Nyssa-Ontario										
Total Therms Pct. Growth	-0.18%	0.18%	0.18%	0.58%	-0.24%	0.18%	0.20%	0.58%	-0.22%	0.18%
Residential Therms	2,179,632	2,184,462	2,188,167	2,203,355	2,198,148	2,202,841	2,207,872	2,222,098	2,217,173	2,221,809
Commercial Therms	2,694,672	2,701,046	2,707,405	2,724,787	2,719,594	2,725,903	2,732,681	2,750,142	2,745,232	2,751,487
Industrial Therms	179,452	179,452	179,452	179,733	179,452	179,452	179,452	179,818	179,452	179,452
Ind., Inst., & Cmpl. Interrup. Therms	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Therms	6,093,128	6,104,333	6,115,397	6,150,862	6,136,357	6,147,359	6,159,377	6,190,044	6,181,230	6,192,120
Daily Baseload Therms	5,553	5,529	5,504	5,549	5,591	5,600	5,608	5,600	5,569	5,611
Peak Day Therms	57,302	56,587	56,714	57,539	57,358	57,487	57,615	57,027	58,010	58,138
Therms Per Residential Customer	576	576	576	579	576	576	576	579	576	576
Therms Per Commercial Customer	2,862	2,862	2,862	2,873	2,861	2,861	2,861	2,872	2,861	2,860
Therms Per Industrial Customer	8,755	8,755	8,755	8,769	8,755	8,755	8,755	8,773	8,755	8,755
Residential Customers	3,781	3,789	3,797	3,806	3,814	3,822	3,830	3,838	3,846	3,854
Commercial Customers	941	944	946	948	951	953	955	957	960	962
Industrial Customers	20	20	20	20	20	20	20	20	20	20
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,744	4,754	4,765	4,775	4,786	4,796	4,806	4,817	4,827	4,837

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Pendleton										
Total Therms Pct. Growth	0.00%	0.32%	0.32%	0.70%	-0.08%	0.31%	0.33%	0.70%	-0.08%	0.30%
Residential Therms	3,084,847	3,098,444	3,111,938	3,137,949	3,138,475	3,151,838	3,165,621	3,191,684	3,192,228	3,205,417
Commercial Therms	2,663,366	2,671,599	2,680,061	2,698,607	2,696,285	2,704,408	2,712,987	2,731,677	2,729,111	2,737,134
Industrial Therms	188,686	188,686	188,686	189,548	188,662	188,662	188,686	188,686	188,686	188,686
Ind., Inst., & Cmpl. Interrup. Therms	844,704	844,704	844,704	847,250	844,588	844,588	844,704	847,250	844,704	844,704
Total Core Therms	6,781,603	6,803,433	6,825,389	6,873,354	6,868,009	6,889,495	6,911,998	6,960,159	6,954,729	6,975,941
Daily Baseload Therms	6,894	6,886	6,877	6,924	6,971	6,990	7,009	6,972	6,990	7,037
Peak Day Therms	79,843	79,376	79,670	80,711	81,007	81,298	81,591	81,158	82,225	82,512
Therms Per Residential Customer	582	582	582	584	582	582	582	584	582	582
Therms Per Commercial Customer	3,391	3,390	3,389	3,401	3,387	3,386	3,386	3,398	3,384	3,384
Therms Per Industrial Customer	31,448	31,448	31,448	31,591	31,444	31,444	31,448	31,591	31,448	31,448
Residential Customers	5,304	5,327	5,351	5,374	5,397	5,420	5,443	5,466	5,489	5,511
Commercial Customers	786	788	791	793	796	799	801	804	806	809
Industrial Customers	6	6	6	6	6	6	6	6	6	6
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	6,097	6,123	6,148	6,174	6,200	6,226	6,251	6,277	6,302	6,327

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Prineville										
Total Therms Pct. Growth	0.27%	0.65%	0.76%	1.08%	0.14%	0.73%	0.84%	1.96%	0.29%	0.58%
Residential Therms	1,398,195	1,410,562	1,422,804	1,441,471	1,446,410	1,458,316	1,470,626	1,489,137	1,493,975	1,505,523
Commercial Therms	1,514,395	1,522,758	1,530,976	1,548,094	1,546,722	1,554,973	1,570,085	1,614,149	1,617,695	1,625,679
Industrial Therms	265,422	265,422	269,329	270,441	269,587	273,109	273,168	275,572	276,953	276,951
Ind., Inst., & Cmpl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,178,012	3,198,744	3,223,108	3,258,006	3,262,719	3,286,398	3,313,880	3,378,858	3,388,623	3,408,153
Daily Baseload Therms	2,339	2,318	2,303	2,351	2,399	2,418	2,435	2,398	2,416	2,465
Peak Day Therms	42,017	41,177	41,491	42,905	43,496	43,740	44,013	43,238	44,707	44,977
Therms Per Residential Customer	501	501	501	504	501	501	501	504	501	501
Therms Per Commercial Customer	2,711	2,709	2,707	2,718	2,703	2,701	2,712	2,771	2,761	2,759
Therms Per Industrial Customer	8,251	8,251	8,251	8,285	8,249	8,249	8,251	8,285	8,251	8,251
Residential Customers	2,788	2,813	2,837	2,861	2,885	2,909	2,933	2,956	2,979	3,002
Commercial Customers	559	562	566	569	572	576	579	583	586	589
Industrial Customers	32	32	33	33	33	33	33	33	34	34
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	3,379	3,407	3,436	3,463	3,490	3,518	3,545	3,572	3,599	3,625

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Redmond										
Total Therms Pct. Growth	0.64%	1.03%	0.95%	1.40%	0.53%	0.96%	0.93%	1.32%	0.45%	0.90%
Residential Therms	5,224,802	5,288,464	5,351,517	5,438,072	5,474,411	5,535,388	5,596,845	5,681,891	5,715,795	5,774,381
Commercial Therms	3,192,994	3,210,591	3,227,025	3,258,104	3,258,928	3,275,301	3,292,983	3,324,015	3,324,847	3,340,622
Industrial Therms	717,109	730,389	738,215	751,316	763,618	777,545	787,356	798,787	807,821	821,993
Ind., Inst., & Cmpl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	9,134,905	9,229,445	9,316,757	9,447,492	9,497,154	9,588,234	9,677,184	9,804,692	9,848,462	9,936,996
Daily Baseload Therms	7,116	7,143	7,159	7,282	7,414	7,491	7,561	7,518	7,590	7,720
Peak Day Therms	117,324	116,856	119,972	122,698	123,835	124,955	126,134	125,966	128,888	129,888
Therms Per Residential Customer	608	608	608	610	608	608	608	610	608	608
Therms Per Commercial Customer	2,541	2,541	2,541	2,552	2,540	2,540	2,540	2,551	2,540	2,539
Therms Per Industrial Customer	37,740	37,740	37,740	37,880	37,740	37,740	37,740	37,880	37,740	37,740
Residential Customers	8,597	8,701	8,805	8,908	9,009	9,109	9,209	9,307	9,404	9,501
Commercial Customers	1,256	1,264	1,270	1,277	1,283	1,290	1,296	1,303	1,309	1,316
Industrial Customers	19	19	20	20	20	21	21	21	21	22
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	9,872	9,984	10,095	10,204	10,312	10,420	10,528	10,631	10,735	10,838

Appendix B
Demand Forecast
Low Scenario

Stanfield	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.30%	0.40%	0.30%	0.74%	0.21%	0.35%	0.31%	0.70%	0.20%	0.35%
Residential Therms	156,385	157,051	157,715	159,030	159,122	159,777	160,482	161,742	161,831	162,492
Commercial Therms	64,977	65,189	65,189	65,512	65,890	66,029	66,029	66,355	66,722	66,860
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	221,362	222,240	222,903	224,542	225,013	225,806	226,512	228,097	228,553	229,352
Daily Baseload Therms	183	184	184	185	186	187	187	188	189	190
Peak Day Therms	8,614	8,712	8,742	8,859	8,868	8,876	8,886	8,787	8,946	9,018
Therms Per Residential Customer	459	459	459	461	459	459	459	461	459	459
Therms Per Commercial Customer	1,755	1,755	1,755	1,762	1,755	1,755	1,755	1,762	1,755	1,755
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	341	342	344	345	347	348	350	351	353	354
Commercial Customers	37	37	37	37	38	38	38	38	38	38
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	378	379	381	382	384	386	387	389	391	392

Stearns (Sunriver)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.67%	1.19%	1.22%	1.42%	0.60%	0.98%	0.96%	1.36%	0.69%	1.00%
Residential Therms	4,335,149	4,388,186	4,440,625	4,511,382	4,543,997	4,594,735	4,644,741	4,714,123	4,743,733	4,792,480
Commercial Therms	1,125,858	1,131,702	1,138,061	1,147,708	1,149,683	1,155,587	1,161,553	1,170,983	1,172,681	1,178,820
Industrial Therms	65,751	72,645	82,189	82,434	82,189	82,189	82,189	83,446	83,555	86,626
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,526,757	5,592,532	5,660,874	5,741,525	5,775,868	5,832,511	5,888,482	5,968,552	6,009,969	6,069,926
Daily Baseload Therms	6,136	6,208	6,317	6,365	6,414	6,473	6,532	6,609	6,667	6,750
Peak Day Therms	62,738	63,751	64,445	64,992	65,670	66,338	67,000	68,014	68,333	68,979
Therms Per Residential Customer	1,003	1,003	1,003	1,007	1,003	1,003	1,003	1,007	1,003	1,003
Therms Per Commercial Customer	4,666	4,666	4,666	4,682	4,667	4,666	4,666	4,682	4,666	4,666
Therms Per Industrial Customer	18,882	19,829	21,045	21,108	21,045	21,045	21,045	21,190	22,468	23,009
Residential Customers	4,322	4,375	4,427	4,479	4,530	4,580	4,630	4,680	4,729	4,778
Commercial Customers	241	243	244	245	246	248	249	250	251	253
Industrial Customers	3	4	4	4	4	4	4	4	4	4
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,566	4,621	4,675	4,728	4,780	4,832	4,883	4,934	4,984	5,035

Pronghorn	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.26%	0.64%	0.69%	1.57%	0.25%	0.60%	0.63%	1.45%	0.26%	0.57%
Residential Therms	428,818	433,167	437,531	443,507	446,114	450,301	454,408	460,235	462,694	466,837
Commercial Therms	249,691	249,691	250,050	254,892	254,013	254,013	254,343	258,781	258,213	258,213
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	678,509	682,858	687,581	698,399	700,128	704,314	708,751	719,017	720,907	725,050
Daily Baseload Therms	777	783	790	798	801	805	810	823	828	831
Peak Day Therms	10,959	10,930	10,978	11,102	11,149	11,195	11,240	11,210	11,331	11,377
Therms Per Residential Customer	1,601	1,601	1,601	1,608	1,602	1,602	1,601	1,608	1,601	1,601
Therms Per Commercial Customer	9,269	9,269	9,269	9,302	9,270	9,269	9,269	9,302	9,269	9,269
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	268	270	273	276	279	281	284	286	289	292
Commercial Customers	27	27	27	27	27	27	27	28	28	28
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	295	297	300	303	306	309	311	314	317	319

Bend Loop	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.94%	1.85%	1.54%	2.48%	0.83%	1.74%	1.44%	2.38%	0.71%	1.64%
Residential Therms	203,051	208,024	212,997	219,497	222,966	227,939	232,944	239,583	242,913	247,886
Commercial Therms	141,381	142,783	143,206	145,543	145,033	146,471	146,858	149,259	148,684	150,123
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	344,432	350,807	356,204	365,040	367,999	374,410	379,802	388,842	391,597	398,009
Daily Baseload Therms	61	62	62	60	61	61	62	72	73	74
Peak Day Therms	6,883	6,925	6,982	6,395	6,440	6,472	6,516	7,237	7,298	7,341
Therms Per Residential Customer	580	587	594	605	608	614	621	632	634	641
Therms Per Commercial Customer	3,121	3,125	3,129	3,153	3,137	3,139	3,145	3,168	3,153	3,156
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	350	354	359	363	367	371	375	379	383	387
Commercial Customers	45	46	46	46	46	47	47	47	47	48
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	395	400	404	409	413	418	422	426	430	434

McCleary (Aberdeen/Hoquiam)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.63%	1.02%	1.00%	1.41%	0.53%	0.95%	0.94%	1.34%	0.48%	1.12%
Residential Therms	26,571,760	26,896,836	27,218,247	27,650,810	27,847,830	28,158,816	28,469,376	28,893,966	29,075,822	29,374,622
Commercial Therms	12,554,914	12,618,129	12,680,908	12,798,204	12,804,288	12,865,975	12,928,353	13,044,581	13,049,840	13,212,759
Industrial Therms	473,916	488,392	503,401	522,584	536,452	553,175	569,903	590,747	606,916	623,681
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	39,600,590	40,003,357	40,402,557	40,971,598	41,188,571	41,577,966	41,967,632	42,529,295	42,732,577	43,211,061
Daily Baseload Therms	35,306	35,543	35,798	36,251	36,721	37,066	37,407	37,500	37,833	38,468
Peak Day Therms	469,521	470,512	475,209	483,237	487,866	492,500	497,039	497,962	506,501	510,927
Therms Per Residential Customer	769	769	769	772	769	769	769	772	769	769
Therms Per Commercial Customer	2,809	2,809	2,807	2,819	2,805	2,805	2,804	2,815	2,803	2,824
Therms Per Industrial Customer	15,917	16,155	16,388	16,734	16,905	17,181	17,436	17,777	17,990	18,235
Residential Customers	34,551	34,974	35,392	35,805	36,214	36,618	37,019	37,415	37,807	38,196
Commercial Customers	4,470	4,493	4,517	4,541	4,564	4,587	4,610	4,633	4,656	4,679
Industrial Customers	30	30	31	31	32	32	33	33	34	34
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	39,051	39,498	39,940	40,377	40,810	41,238	41,662	42,081	42,497	42,909

Appendix B
Demand Forecast
Low Scenario

Acme	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.31%	0.01%	0.00%	0.38%	-0.39%	0.01%	0.04%	0.37%	-0.36%	0.01%
Residential Therms	2,550,641	2,551,089	2,551,541	2,561,689	2,551,786	2,552,237	2,553,523	2,563,578	2,554,336	2,554,820
Commercial Therms	2,978,299	2,978,156	2,977,730	2,988,392	2,976,792	2,976,652	2,977,304	2,987,819	2,977,163	2,977,164
Industrial Therms	137,594	137,594	137,594	138,262	137,526	137,526	137,594	138,262	137,594	137,594
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,666,534	5,666,839	5,666,865	5,688,343	5,666,104	5,666,414	5,668,421	5,689,660	5,669,093	5,669,578
Daily Baseload Therms	5,639	5,583	5,527	5,583	5,640	5,640	5,640	5,528	5,529	5,585
Peak Day Therms	50,413	48,873	48,874	50,422	50,427	50,430	50,433	48,893	50,440	50,445
Therms Per Residential Customer	721	721	721	724	721	721	721	724	721	721
Therms Per Commercial Customer	4,036	4,036	4,036	4,060	4,035	4,035	4,036	4,050	4,036	4,036
Therms Per Industrial Customer	9,828	9,828	9,828	9,876	9,823	9,823	9,828	9,876	9,828	9,828
Residential Customers	3,538	3,539	3,540	3,540	3,541	3,542	3,542	3,543	3,544	3,544
Commercial Customers	738	738	738	738	738	738	738	738	738	738
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,290	4,291	4,292	4,292	4,293	4,294	4,294	4,295	4,295	4,296

Arlington	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.09%	0.16%	0.39%	0.62%	1.33%	0.84%	0.30%	0.55%	-0.09%	0.30%
Residential Therms	53,358	53,509	53,871	54,311	54,247	54,575	54,853	55,233	55,293	55,585
Commercial Therms	38,553	38,553	38,553	38,689	39,991	40,456	40,464	40,607	40,464	40,464
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	91,911	92,062	92,423	93,000	94,238	95,031	95,317	95,840	95,757	96,049
Daily Baseload Therms	76	76	75	76	78	79	79	78	78	79
Peak Day Therms	4,006	3,784	3,788	4,014	4,015	4,018	4,021	3,799	4,026	4,029
Therms Per Residential Customer	766	766	766	769	766	766	766	769	766	766
Therms Per Commercial Customer	4,061	4,061	4,061	4,075	4,060	4,060	4,061	4,075	4,061	4,061
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	70	70	70	71	71	71	72	72	72	73
Commercial Customers	9	9	9	9	10	10	10	10	10	10
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	79	79	80	80	81	81	82	82	82	82

Bremerton (Shelton)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.18%	0.53%	0.51%	0.86%	0.15%	0.48%	0.54%	0.84%	0.14%	0.47%
Residential Therms	3,716,737	3,730,751	3,744,631	3,772,199	3,771,569	3,785,288	3,799,688	3,827,285	3,826,929	3,840,478
Commercial Therms	2,375,235	2,392,601	2,409,977	2,435,832	2,444,340	2,461,078	2,478,515	2,504,255	2,511,963	2,528,648
Industrial Therms	292,275	294,630	296,297	298,502	300,191	300,849	304,205	306,086	307,754	308,713
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	6,384,246	6,417,981	6,450,905	6,506,533	6,516,100	6,547,215	6,582,408	6,637,626	6,646,645	6,677,839
Daily Baseload Therms	6,858	6,858	6,857	6,929	7,003	7,038	7,075	7,034	7,069	7,141
Peak Day Therms	56,879	56,103	56,386	57,747	58,035	58,317	58,601	57,786	59,162	59,442
Therms Per Residential Customer	749	749	749	752	749	749	749	752	749	749
Therms Per Commercial Customer	3,528	3,528	3,528	3,540	3,527	3,527	3,528	3,540	3,528	3,528
Therms Per Industrial Customer	8,567	8,567	8,567	8,601	8,564	8,564	8,567	8,601	8,567	8,567
Residential Customers	4,963	4,982	5,000	5,019	5,037	5,056	5,074	5,092	5,110	5,128
Commercial Customers	673	678	683	688	693	698	703	707	712	717
Industrial Customers	34	34	35	35	35	35	36	36	36	36
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	5,671	5,694	5,718	5,742	5,765	5,788	5,812	5,835	5,858	5,881

Castle Rock	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.10%	0.46%	0.46%	0.84%	0.05%	0.45%	0.70%	0.82%	0.05%	0.43%
Residential Therms	24,045,780	24,171,075	24,295,562	24,510,535	24,541,107	24,663,911	24,787,542	25,001,897	25,030,056	25,150,599
Commercial Therms	12,903,234	12,955,376	13,007,568	13,109,062	13,109,765	13,187,960	13,339,401	13,441,892	13,441,164	13,491,656
Industrial Therms	426,193	426,193	426,193	428,480	420,929	393,409	393,409	395,518	393,409	393,409
Ind., Inst., & Cmdl. Interrup. Therms	841,393	841,393	841,393	845,652	841,393	841,393	841,393	845,648	841,393	841,393
Total Core Therms	38,216,600	38,394,038	38,570,715	38,893,729	38,913,194	39,086,673	39,361,745	39,684,956	39,706,022	39,877,057
Daily Baseload Therms	35,925	36,011	36,096	36,333	36,571	36,856	37,015	37,015	37,172	37,408
Peak Day Therms	358,688	357,971	359,966	363,401	364,901	368,619	368,619	368,603	372,842	374,492
Therms Per Residential Customer	697	698	698	700	697	698	698	700	698	698
Therms Per Commercial Customer	4,014	4,012	4,010	4,024	4,006	4,012	4,041	4,054	4,037	4,035
Therms Per Industrial Customer	31,580	31,580	31,580	31,749	31,290	30,320	30,320	30,483	30,320	30,320
Residential Customers	34,474	34,653	34,831	35,008	35,184	35,360	35,534	35,708	35,881	36,053
Commercial Customers	3,215	3,229	3,244	3,258	3,272	3,287	3,301	3,316	3,330	3,344
Industrial Customers	13	13	13	13	13	13	13	13	13	13
Interruptible Customers	2	2	2	2	2	2	1	1	1	1
Total Core Customers	37,705	37,898	38,091	38,282	38,472	38,661	38,850	39,038	39,225	39,411

Walla Walla	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.26%	0.43%	0.58%	0.78%	0.29%	0.35%	0.69%	0.69%	0.14%	0.40%
Residential Therms	38,606	38,920	39,192	39,677	39,809	40,113	40,413	40,856	40,954	41,269
Commercial Therms	132,035	132,452	133,180	134,047	134,428	134,735	135,645	136,412	136,558	136,961
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	170,641	171,372	172,372	173,725	174,237	174,848	176,058	177,268	177,512	178,230
Daily Baseload Therms	215	216	217	218	219	220	221	223	224	224
Peak Day Therms	4,334	4,339	4,342	4,044	4,047	4,050	4,054	4,150	4,152	4,155
Therms Per Residential Customer	517	517	517	519	517	517	517	519	517	517
Therms Per Commercial Customer	2,633	2,633	2,633	2,642	2,633	2,633	2,633	2,642	2,633	2,633
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	75	75	76	76	77	78	78	79	79	80
Commercial Customers	50	50	51	51	51	51	52	52	52	52
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	125	126	126	127	128	129	130	130	131	132

Deming	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.01%	0.38%	0.39%	0.78%	-0.03%	0.37%	0.40%	0.75%	-0.03%	0.37%
Residential Therms	7,455,162	7,489,887	7,524,478	7,587,555	7,592,370	7,626,408	7,661,022	7,724,025	7,728,473	7,761,931
Commercial Therms	5,326,825	5,343,981	5,360,805	5,395,540	5,394,079	5,411,117	5,428,152	5,462,748	5,461,399	5,478,066
Industrial Therms	163,260	163,260	165,389	168,036	167,470	167,819	171,636	172,197	171,972	174,667
Ind., Inst., & Cmcl. Interup. Therms	733,182	732,977	732,977	739,869	732,977	733,182	733,182	739,869	732,977	732,977
Total Core Therms	13,678,428	13,730,104	13,783,648	13,891,000	13,886,897	13,938,525	13,993,992	14,098,839	14,094,821	14,147,641
Daily Baseload Therms	13,271	13,284	13,299	13,394	13,482	13,532	13,586	13,568	13,617	13,707
Peak Day Therms	171,207	170,723	171,435	172,474	173,154	173,843	174,570	173,818	175,702	176,409
Therms Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Therms Per Commercial Customer	3,952	3,950	3,948	3,969	3,943	3,941	3,940	3,951	3,936	3,934
Therms Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	11,825	11,880	11,935	11,989	12,043	12,097	12,151	12,205	12,258	12,311
Commercial Customers	1,348	1,353	1,358	1,363	1,368	1,373	1,378	1,383	1,388	1,393
Industrial Customers	18	18	18	18	18	18	19	19	19	19
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	13,190	13,251	13,311	13,370	13,430	13,489	13,548	13,606	13,665	13,723

Wenatchee	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	1.24%	0.55%	0.07%	0.38%	-0.45%	0.10%	0.11%	0.38%	1.02%	0.54%
Residential Therms	14,053	14,180	14,306	14,366	14,293	14,459	14,555	14,616	14,554	14,717
Commercial Therms	159,818	160,649	160,649	161,261	160,547	160,547	160,649	161,261	163,121	163,924
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	173,871	174,830	174,955	175,626	174,839	175,006	175,204	175,876	177,675	178,641
Daily Baseload Therms	208	206	202	206	210	210	210	203	207	212
Peak Day Therms	797	746	748	806	806	808	809	750	826	833
Therms Per Residential Customer	538	538	538	540	537	537	538	540	538	538
Therms Per Commercial Customer	11,533	11,496	11,496	11,539	11,488	11,488	11,496	11,539	11,389	11,366
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	26	26	27	27	27	27	27	27	27	27
Commercial Customers	14	14	14	14	14	14	14	14	14	14
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	40	40	41	41	41	41	41	41	41	42

Finley	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.38%	-0.04%	-0.04%	0.35%	-0.44%	-0.04%	-0.10%	0.11%	-0.43%	-0.04%
Residential Therms	534,330	532,078	529,776	529,671	525,104	522,733	520,572	520,326	515,813	513,523
Commercial Therms	3,507,498	3,508,105	3,508,508	3,522,769	3,509,097	3,509,694	3,510,917	3,525,384	3,512,333	3,512,943
Industrial Therms	359,176	359,182	359,182	360,463	359,087	359,081	355,722	346,497	345,266	345,266
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	4,401,003	4,399,365	4,397,467	4,412,903	4,393,288	4,391,508	4,387,212	4,392,207	4,373,413	4,371,732
Daily Baseload Therms	5,419	5,384	5,349	5,381	5,412	5,410	5,404	5,324	5,322	5,353
Peak Day Therms	38,035	37,030	37,011	37,981	37,965	37,947	37,901	36,820	37,784	37,767
Therms Per Residential Customer	465	465	465	467	465	465	465	467	465	465
Therms Per Commercial Customer	5,094	5,094	5,094	5,114	5,092	5,092	5,094	5,113	5,093	5,093
Therms Per Industrial Customer	26,775	26,775	26,775	26,871	26,768	26,768	26,775	26,871	26,775	26,775
Residential Customers	1,150	1,145	1,140	1,135	1,130	1,125	1,120	1,115	1,110	1,105
Commercial Customers	689	689	689	689	689	689	689	689	690	690
Industrial Customers	13	13	13	13	13	13	13	13	13	13
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,852	1,847	1,842	1,837	1,833	1,828	1,823	1,817	1,812	1,808

Grandview	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.54%	2.20%	0.15%	0.53%	2.11%	0.36%	0.18%	1.11%	1.34%	0.34%
Residential Therms	16,924	17,157	17,367	17,648	17,794	18,016	18,241	18,497	18,599	18,811
Commercial Therms	115,294	117,966	117,964	118,404	121,133	121,418	121,448	122,747	124,534	124,810
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	132,218	135,123	135,331	136,053	138,927	139,434	139,688	141,244	143,134	143,621
Daily Baseload Therms	152	154	153	154	160	160	160	159	162	164
Peak Day Therms	485	483	486	585	588	591	594	578	586	589
Therms Per Residential Customer	545	545	545	547	545	545	545	547	545	545
Therms Per Commercial Customer	7,966	7,966	7,966	7,996	7,964	7,964	7,966	7,996	7,966	7,966
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	31	31	32	32	33	33	33	34	34	35
Commercial Customers	14	15	15	15	15	15	15	15	16	16
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	46	46	47	47	48	48	49	49	50	50

Zillah (Toppenish)	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.09%	0.16%	0.12%	0.41%	-0.14%	0.13%	0.15%	0.40%	-0.15%	0.12%
Residential Therms	575,884	576,392	576,739	579,390	577,232	577,513	577,932	580,364	578,230	578,373
Commercial Therms	1,441,142	1,443,953	1,446,220	1,451,754	1,451,340	1,453,864	1,456,577	1,462,092	1,461,674	1,464,150
Industrial Therms	71,405	71,405	71,405	71,742	71,270	71,270	71,270	71,662	71,130	71,130
Ind., Inst., & Cmcl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	2,088,431	2,091,750	2,094,364	2,102,886	2,099,842	2,102,647	2,105,780	2,114,117	2,111,034	2,113,653
Daily Baseload Therms	4,044	4,038	4,030	4,045	4,061	4,065	4,069	4,078	4,082	4,098
Peak Day Therms	13,872	13,540	13,565	13,949	13,977	14,004	14,031	13,697	14,092	14,117
Therms Per Residential Customer	578	578	578	581	578	578	578	581	578	578
Therms Per Commercial Customer	7,307	7,290	7,277	7,274	7,245	7,230	7,217	7,215	7,188	7,175
Therms Per Industrial Customer	8,484	8,484	8,484	8,524	8,468	8,468	8,468	8,514	8,451	8,451
Residential Customers	996	997	997	998	998	999	999	1,000	1,000	1,000
Commercial Customers	197	198	199	200	200	201	202	203	203	204
Industrial Customers	8	8	8	8	8	8	8	8	8	8
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,201	1,203	1,204	1,206	1,207	1,208	1,210	1,211	1,212	1,213

**Appendix B
Demand Forecast
Low Scenario**

Patterson	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.24%	0.00%	0.03%	0.33%	-0.34%	0.00%	0.00%	0.31%	-0.31%	0.00%
Residential Therms	0	0	0	0	0	0	0	0	0	0
Commercial Therms	262,593	262,599	262,690	263,568	262,675	262,669	262,678	263,504	262,691	262,691
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	262,593	262,599	262,690	263,568	262,675	262,669	262,678	263,504	262,691	262,691
Daily Baseload Therms	523	523	522	522	522	522	522	535	535	535
Peak Day Therms	852	793	795	853	853	853	853	795	853	853
Therms Per Residential Customer	0	0	0	0	0	0	0	0	0	0
Therms Per Commercial Customer	56,341	56,342	55,923	56,109	55,919	55,918	55,920	56,096	55,923	55,923
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	0	0	0	0	0	0	0	0	0	0
Commercial Customers	5	5	5	5	5	5	5	5	5	5
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	5	5	5	5	5	5	5	5	5	5

Prosser	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.53%	0.87%	0.87%	1.26%	0.37%	0.07%	0.84%	1.21%	0.36%	0.77%
Residential Therms	288,466	292,118	295,768	300,608	302,719	306,202	309,727	314,505	316,484	319,852
Commercial Therms	466,813	470,766	474,800	480,737	482,453	486,398	490,418	496,277	498,028	501,849
Industrial Therms	121,668	121,668	121,668	122,117	121,629	114,872	114,908	115,333	114,908	114,908
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	876,946	884,553	892,236	903,462	906,801	907,472	915,054	926,115	929,420	936,609
Daily Baseload Therms	533	531	529	541	552	554	558	549	553	565
Peak Day Therms	10,859	10,804	10,894	11,160	11,244	11,329	11,417	11,382	11,617	11,700
Therms Per Residential Customer	531	531	531	533	531	531	531	533	531	531
Therms Per Commercial Customer	3,016	3,016	3,016	3,029	3,016	3,016	3,016	3,029	3,016	3,016
Therms Per Industrial Customer	25,624	25,624	25,624	25,718	25,616	25,616	25,624	25,718	25,624	25,624
Residential Customers	543	550	557	564	571	577	584	590	596	603
Commercial Customers	155	156	157	159	160	161	163	164	165	166
Industrial Customers	5	5	5	5	5	4	4	4	4	4
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	703	711	719	727	735	743	751	758	766	774

Quincy	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-1.31%	-0.19%	0.10%	0.52%	-0.32%	0.11%	0.06%	0.61%	-0.35%	0.08%
Residential Therms	40,412	40,382	40,265	40,389	40,157	40,096	40,120	40,270	40,120	40,121
Commercial Therms	793,051	794,736	795,851	799,619	797,809	798,924	799,475	804,269	801,957	802,783
Industrial Therms	156,022	152,530	152,530	153,741	152,609	152,609	152,609	153,715	152,653	152,653
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	989,484	987,649	988,648	993,749	990,575	991,630	992,204	998,254	994,730	995,557
Daily Baseload Therms	1,484	1,477	1,470	1,468	1,480	1,482	1,482	1,469	1,470	1,481
Peak Day Therms	6,575	6,298	6,281	6,545	6,557	6,565	6,567	6,393	6,692	6,698
Therms Per Residential Customer	690	690	690	693	690	690	690	693	690	690
Therms Per Commercial Customer	11,877	11,859	11,847	11,888	11,819	11,807	11,808	11,837	11,772	11,774
Therms Per Industrial Customer	28,368	28,180	28,180	28,404	28,195	28,195	28,195	28,399	28,203	28,203
Residential Customers	59	58	58	58	58	58	58	58	58	58
Commercial Customers	67	67	67	67	68	68	68	68	68	68
Industrial Customers	6	5	5	5	5	5	5	5	5	5
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	131	131	131	131	131	131	131	131	132	132

Sunnyside	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.08%	0.20%	0.20%	0.55%	-0.19%	0.18%	0.39%	0.53%	-0.18%	0.17%
Residential Therms	1,088,357	1,089,281	1,090,137	1,095,077	1,091,081	1,091,573	1,092,153	1,096,901	1,092,873	1,093,145
Commercial Therms	1,640,446	1,646,183	1,652,007	1,664,004	1,663,316	1,668,967	1,675,071	1,688,755	1,686,261	1,691,827
Industrial Therms	634,804	634,818	634,825	636,475	634,693	634,686	641,282	642,976	641,303	641,296
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,363,607	3,370,282	3,376,968	3,395,556	3,389,090	3,395,226	3,408,506	3,426,633	3,420,437	3,426,267
Daily Baseload Therms	3,433	3,421	3,410	3,432	3,454	3,459	3,478	3,449	3,454	3,475
Peak Day Therms	31,485	31,048	31,120	31,700	31,770	31,838	31,932	31,477	32,064	32,128
Therms Per Residential Customer	559	559	559	562	559	559	559	562	559	559
Therms Per Commercial Customer	2,995	2,994	2,993	3,003	2,990	2,989	2,989	2,999	2,987	2,986
Therms Per Industrial Customer	39,065	39,066	39,066	39,168	39,058	39,058	39,065	39,168	39,066	39,066
Residential Customers	1,945	1,947	1,948	1,950	1,951	1,951	1,952	1,953	1,953	1,954
Commercial Customers	548	550	552	554	556	558	560	562	565	567
Industrial Customers	16	16	16	16	16	16	16	16	16	16
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	2,509	2,513	2,517	2,520	2,523	2,526	2,529	2,532	2,534	2,537

Moses Lake	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.29%	0.19%	0.23%	0.76%	-0.30%	0.23%	0.21%	0.76%	-0.30%	-0.12%
Residential Therms	367,040	366,737	366,435	367,577	365,603	365,301	365,201	366,433	364,508	364,226
Commercial Therms	3,407,982	3,415,913	3,425,571	3,453,451	3,444,599	3,454,326	3,462,704	3,490,987	3,481,600	3,491,595
Industrial Therms	200,266	200,266	200,266	201,297	200,187	200,187	200,187	201,171	200,111	185,343
Ind., Inst., & Cmdl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	3,975,288	3,982,916	3,992,273	4,022,425	4,010,389	4,019,813	4,028,092	4,058,591	4,046,219	4,041,165
Daily Baseload Therms	2,693	2,695	2,693	2,672	2,685	2,693	2,696	2,732	2,739	2,753
Peak Day Therms	20,985	20,839	20,928	20,429	20,488	20,577	20,602	21,349	21,627	21,506
Therms Per Residential Customer	514	514	514	516	513	513	514	516	514	514
Therms Per Commercial Customer	9,088	9,090	9,096	9,149	9,103	9,107	9,111	9,164	9,119	9,124
Therms Per Industrial Customer	26,409	26,409	26,409	26,545	26,398	26,398	26,398	26,528	26,388	25,016
Residential Customers	715	714	713	713	712	712	711	710	710	709
Commercial Customers	375	376	377	377	378	379	380	381	382	383
Industrial Customers	8	8	8	8	8	8	8	8	8	7
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	1,097	1,097	1,098	1,098	1,098	1,098	1,099	1,099	1,099	1,099

Appendix B
Demand Forecast
Low Scenario

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
7th Day School										
Total Therms Pct. Growth	-0.50%	0.00%	0.00%	0.50%	-0.26%	0.00%	0.23%	0.73%	-0.50%	0.00%
Residential Therms	10,956	10,956	10,956	11,011	10,995	10,995	11,032	11,126	11,070	11,070
Commercial Therms	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Industrial Therms	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	16,378	16,378	16,378	16,460	16,417	16,417	16,454	16,574	16,492	16,492
Daily Baseload Therms	6	6	6	6	6	6	6	6	6	6
Peak Day Therms	568	561	561	568	583	587	588	581	588	588
Therms Per Residential Customer	939	939	939	944	939	939	939	944	939	939
Therms Per Commercial Customer	3,753	3,753	3,753	3,772	3,753	3,753	3,753	3,772	3,753	3,753
Therms Per Industrial Customer	1,669	1,669	1,669	1,677	1,670	1,670	1,669	1,677	1,669	1,669
Residential Customers	12	12	12	12	12	12	12	12	12	12
Commercial Customers	1	1	1	1	1	1	1	1	1	1
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14	14	14	14	14	14	14	14	14	14

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Yakima Training Center										
Total Therms Pct. Growth	0.04%	0.31%	0.42%	0.82%	-0.16%	0.45%	0.40%	0.77%	-0.03%	0.33%
Residential Therms	5,168	5,184	5,184	5,206	5,182	5,190	5,191	5,214	5,191	5,191
Commercial Therms	413,137	414,434	416,212	419,649	419,004	420,922	422,613	425,895	425,778	427,195
Industrial Therms	0	0	0	0	0	0	0	0	0	0
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	418,305	419,617	421,395	424,856	424,187	426,112	427,805	431,109	430,969	432,386
Daily Baseload Therms	175	172	170	173	177	178	179	173	173	177
Peak Day Therms	323	322	322	318	318	318	318	372	374	374
Therms Per Residential Customer	192	192	192	193	192	192	192	193	192	192
Therms Per Commercial Customer	4,066	4,066	4,066	4,083	4,065	4,065	4,066	4,083	4,066	4,066
Therms Per Industrial Customer	0	0	0	0	0	0	0	0	0	0
Residential Customers	27	27	27	27	27	27	27	27	27	27
Commercial Customers	102	102	102	103	103	104	104	104	105	105
Industrial Customers	0	0	0	0	0	0	0	0	0	0
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	128	129	129	130	130	131	131	131	132	132

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Burbank Heights Loop										
Total Therms Pct. Growth	0.88%	1.17%	1.38%	1.56%	0.77%	1.13%	1.10%	1.64%	0.65%	0.96%
Residential Therms	7,372,640	7,484,642	7,595,019	7,733,610	7,809,905	7,915,495	8,021,082	8,155,655	8,225,808	8,326,315
Commercial Therms	4,476,920	4,513,542	4,571,323	4,625,298	4,639,625	4,675,101	4,710,747	4,781,404	4,803,556	4,835,002
Industrial Therms	210,731	203,264	203,264	203,764	210,136	212,632	212,656	213,174	212,662	207,721
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	12,060,291	12,201,448	12,369,606	12,562,672	12,659,666	12,803,229	12,944,485	13,156,233	13,242,025	13,369,038
Daily Baseload Therms	10,867	10,932	11,030	11,213	11,403	11,532	11,655	11,687	11,806	11,973
Peak Day Therms	169,795	170,240	175,848	176,128	178,276	180,352	182,382	182,614	186,373	188,290
Therms Per Residential Customer	568	568	568	570	568	568	568	570	568	568
Therms Per Commercial Customer	3,901	3,900	3,916	3,931	3,911	3,910	3,909	3,942	3,925	3,922
Therms Per Industrial Customer	19,679	19,679	19,679	19,728	19,677	19,677	19,679	19,727	19,680	19,680
Residential Customers	12,974	13,171	13,365	13,556	13,745	13,931	14,115	14,296	14,475	14,652
Commercial Customers	1,148	1,157	1,167	1,177	1,186	1,196	1,205	1,215	1,224	1,233
Industrial Customers	11	10	10	10	11	11	11	11	11	11
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	14,132	14,338	14,543	14,743	14,942	15,137	15,331	15,521	15,710	15,895

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
East Stanwood Loop										
Total Therms Pct. Growth	0.13%	0.48%	0.47%	0.84%	0.08%	0.46%	0.47%	0.82%	0.08%	0.44%
Residential Therms	6,107,690	6,132,711	6,157,827	6,205,958	6,206,714	6,231,470	6,256,866	6,304,942	6,305,929	6,330,254
Commercial Therms	4,317,018	4,342,664	4,367,695	4,408,694	4,417,389	4,441,826	4,467,422	4,507,820	4,515,780	4,539,985
Industrial Therms	138,081	138,081	138,081	138,439	138,081	138,081	138,081	138,507	138,081	138,081
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	10,562,789	10,613,456	10,663,603	10,753,091	10,762,184	10,811,377	10,862,369	10,951,269	10,959,790	11,008,320
Daily Baseload Therms	12,452	12,468	12,484	12,585	12,686	12,743	12,801	12,769	12,826	12,926
Peak Day Therms	92,475	91,536	91,971	93,807	94,246	94,680	95,117	94,122	95,974	96,402
Therms Per Residential Customer	713	713	713	715	713	713	713	715	713	713
Therms Per Commercial Customer	4,091	4,090	4,088	4,102	4,086	4,086	4,086	4,100	4,085	4,084
Therms Per Industrial Customer	165,697	165,697	165,697	166,127	165,697	165,697	165,697	166,209	165,697	165,697
Residential Customers	8,569	8,604	8,640	8,675	8,709	8,744	8,779	8,813	8,847	8,882
Commercial Customers	1,055	1,062	1,068	1,075	1,081	1,087	1,093	1,099	1,106	1,112
Industrial Customers	1	1	1	1	1	1	1	1	1	1
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	9,625	9,667	9,709	9,750	9,791	9,832	9,873	9,913	9,954	9,994

**Appendix B
Demand Forecast
Low Scenario**

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Kennewick Loop										
Total Therms Pct. Growth	0.90%	1.11%	0.97%	1.34%	0.78%	0.91%	1.08%	1.27%	0.40%	1.06%
Residential Therms	11,717,599	11,865,769	12,012,063	12,203,507	12,298,382	12,439,623	12,880,231	12,767,321	12,854,918	12,980,074
Commercial Therms	12,712,965	12,858,275	12,955,185	13,101,999	13,210,448	13,304,954	13,447,747	13,593,031	13,631,541	13,788,220
Industrial Therms	259,129	242,872	242,872	244,170	242,717	242,717	242,717	244,100	227,134	222,111
Ind., Inst., & Cmpl. Interrup. Therms	217,844	217,844	217,844	219,207	217,844	217,844	217,844	219,295	217,844	217,844
Total Core Therms	24,907,538	25,184,760	25,427,965	25,768,883	25,969,392	26,205,138	26,468,540	26,823,747	26,931,438	27,218,249
Daily Baseload Therms	27,848	28,157	28,353	28,556	28,976	29,230	29,649	29,738	29,983	30,294
Peak Day Therms	319,135	321,044	324,318	328,502	331,728	334,937	338,741	340,171	345,492	348,589
Therms Per Residential Customer	635	635	635	638	635	635	635	638	635	635
Therms Per Commercial Customer	4,672	4,685	4,681	4,695	4,695	4,691	4,704	4,718	4,696	4,714
Therms Per Industrial Customer	35,753	34,751	34,751	34,936	34,729	34,729	34,729	34,926	33,575	33,059
Residential Customers	18,447	18,681	18,911	19,138	19,138	19,586	19,805	20,023	20,238	20,451
Commercial Customers	2,721	2,744	2,768	2,791	2,814	2,836	2,859	2,881	2,903	2,925
Industrial Customers	7	7	7	7	7	7	7	7	7	7
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	21,177	21,433	21,687	21,937	22,185	22,430	22,672	22,912	23,149	23,383

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Longview South Loop										
Total Therms Pct. Growth	0.21%	0.62%	1.90%	1.00%	0.04%	0.41%	0.45%	0.74%	0.06%	0.43%
Residential Therms	1,075,805	1,084,218	1,092,585	1,104,979	1,108,676	1,116,800	1,125,346	1,137,668	1,141,410	1,149,442
Commercial Therms	3,948,981	3,974,250	4,063,330	4,103,795	4,103,389	4,117,720	4,133,808	4,162,039	4,162,862	4,176,937
Industrial Therms	262,376	262,370	268,130	270,439	269,446	270,161	270,956	271,859	270,937	273,025
Ind., Inst., & Cmpl. Interrup. Therms	103,528	103,528	103,528	103,698	103,528	103,528	103,528	103,643	103,528	103,528
Total Core Therms	5,390,690	5,428,365	5,527,573	5,582,911	5,585,039	5,608,208	5,633,637	5,675,209	5,678,737	5,702,931
Daily Baseload Therms	5,804	5,769	5,742	5,926	6,010	6,035	6,060	5,953	5,976	6,064
Peak Day Therms	61,425	60,667	60,526	60,602	61,143	61,351	61,561	62,243	64,551	64,765
Therms Per Residential Customer	506	506	506	507	505	505	506	507	506	506
Therms Per Commercial Customer	4,343	4,353	4,430	4,455	4,436	4,434	4,433	4,445	4,428	4,426
Therms Per Industrial Customer	17,949	17,949	17,948	18,008	17,942	17,943	17,949	18,009	17,948	17,947
Residential Customers	2,128	2,145	2,161	2,178	2,194	2,210	2,226	2,242	2,258	2,274
Commercial Customers	909	913	917	921	925	929	933	936	940	944
Industrial Customers	15	15	15	15	15	15	15	15	15	15
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	3,053	3,073	3,094	3,115	3,135	3,155	3,175	3,194	3,214	3,234

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Sedro-Woolley Loop										
Total Therms Pct. Growth	0.08%	0.44%	0.49%	0.83%	0.14%	0.41%	0.42%	0.78%	0.03%	0.40%
Residential Therms	19,250,683	19,347,526	19,444,024	19,612,996	19,632,234	19,727,122	19,824,129	19,992,780	20,011,385	20,104,531
Commercial Therms	10,601,392	10,642,975	10,700,913	10,781,915	10,809,051	10,844,652	10,881,906	10,957,569	10,952,688	10,987,793
Industrial Therms	1,269,638	1,269,638	1,269,638	1,279,507	1,276,734	1,276,734	1,276,927	1,281,330	1,276,927	1,276,927
Ind., Inst., & Cmpl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	31,121,713	31,260,139	31,414,574	31,674,418	31,718,019	31,848,508	31,982,961	32,231,679	32,241,000	32,369,251
Daily Baseload Therms	28,393	28,377	28,377	28,644	28,936	29,049	29,162	28,993	29,104	29,356
Peak Day Therms	292,333	289,559	290,870	296,121	297,450	298,761	300,064	297,157	302,668	303,951
Therms Per Residential Customer	707	707	707	709	707	707	707	709	707	707
Therms Per Commercial Customer	3,091	3,091	3,095	3,106	3,101	3,100	3,098	3,108	3,095	3,093
Therms Per Industrial Customer	14,678	14,678	14,678	14,729	14,676	14,676	14,678	14,729	14,678	14,678
Residential Customers	27,240	27,377	27,513	27,648	27,916	27,916	28,049	28,182	28,314	28,445
Commercial Customers	3,430	3,444	3,457	3,471	3,485	3,499	3,512	3,526	3,539	3,553
Industrial Customers	86	86	86	87	87	87	87	87	87	87
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	30,757	30,907	31,057	31,206	31,354	31,502	31,649	31,795	31,940	32,085

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Sumas SPE Loop										
Total Therms Pct. Growth	0.12%	0.50%	0.46%	0.83%	0.07%	0.45%	0.45%	0.82%	0.07%	0.45%
Residential Therms	34,482,278	34,646,221	34,809,488	35,103,474	35,130,295	35,291,239	35,454,729	35,748,331	35,773,064	35,931,159
Commercial Therms	16,112,883	16,202,763	16,275,360	16,406,755	16,414,231	16,483,848	16,554,756	16,688,527	16,696,883	16,771,310
Industrial Therms	1,126,129	1,133,273	1,139,080	1,149,368	1,151,711	1,158,120	1,164,553	1,170,545	1,177,705	1,183,917
Ind., Inst., & Cmpl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	51,721,290	51,982,257	52,223,927	52,659,597	52,696,297	52,933,208	53,174,038	53,610,273	53,647,652	53,886,385
Daily Baseload Therms	47,138	47,219	47,274	47,654	48,035	48,250	48,463	48,343	48,588	48,944
Peak Day Therms	516,600	514,047	516,445	523,629	526,038	528,431	530,810	528,341	535,836	538,186
Therms Per Residential Customer	743	743	743	746	743	743	743	746	743	743
Therms Per Commercial Customer	2,969	2,972	2,972	2,982	2,971	2,970	2,970	2,981	2,970	2,970
Therms Per Industrial Customer	16,569	16,569	16,569	16,625	16,567	16,567	16,569	16,625	16,569	16,569
Residential Customers	46,387	46,608	46,828	47,046	47,264	47,480	47,696	47,910	48,124	48,336
Commercial Customers	5,427	5,452	5,476	5,501	5,526	5,550	5,574	5,598	5,622	5,647
Industrial Customers	68	68	69	69	70	70	70	71	71	71
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	51,882	52,128	52,373	52,616	52,859	53,100	53,340	53,579	53,817	54,054

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Yakima Loop										
Total Therms Pct. Growth	-0.15%	0.20%	0.19%	0.59%	-0.23%	0.21%	0.32%	0.57%	-0.22%	0.17%
Residential Therms	12,890,617	12,901,788	12,911,001	12,971,054	12,922,707	12,928,160	12,935,215	12,991,940	12,943,243	12,946,645
Commercial Therms	12,984,780	13,032,153	13,079,215	13,178,952	13,171,382	13,218,268	13,301,827	13,401,741	13,394,152	13,440,390
Industrial Therms	2,874,176	2,874,176	2,874,176	2,885,330	2,875,728	2,883,483	2,885,030	2,894,663	2,886,576	2,888,122
Ind., Inst., & Cmpl. Interrup. Therms	95,281	95,281	95,281	95,823	95,281	95,281	95,281	95,880	95,281	95,281
Total Core Therms	28,844,854	28,903,397	28,959,673	29,131,159	29,065,097	29,125,192	29,217,354	29,384,224	29,319,251	29,370,438
Daily Baseload Therms	23,937	23,840	23,741	23,932	24,122	24,176	24,252	24,001	24,045	24,235
Peak Day Therms	315,395	311,337	311,961	317,311	317,912	318,566	319,434	315,223	320,571	321,137
Therms Per Residential Customer	664	664	664	666	664	664	664	666	664	664
Therms Per Commercial Customer	3,625	3,624	3,623	3,637	3,621	3,620	3,620	3,643	3,628	3,627
Therms Per Industrial Customer	37,490	37,490	37,490	37,615	37,490	37,490	37,490	37,615	37,490	37,490
Residential Customers	19,425	19,442	19,455	19,467	19,477	19,485	19,492	19,498	19,504	19,509
Commercial Customers	3,582	3,596	3,610	3,623	3,637	3,651	3,665	3,679	3,692	3,706
Industrial Customers	77	77	77	77	77	77	77	77	77	77
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers										

Appendix B
Demand Forecast
Low Scenario

Zone 10	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.03%	0.27%	0.25%	0.60%	-0.14%	0.17%	0.33%	0.63%	-0.13%	0.23%
Residential Therms	3,089,601	3,095,616	3,101,240	3,119,164	3,110,489	3,115,253	3,120,594	3,137,775	3,129,127	3,133,209
Commercial Therms	5,809,854	5,831,109	5,851,968	5,892,818	5,892,319	5,912,920	5,935,331	5,975,561	5,975,545	5,996,088
Industrial Therms	1,590,496	1,591,966	1,591,988	1,596,641	1,591,303	1,584,523	1,591,505	1,602,000	1,597,122	1,597,009
Ind., Inst., & Cmpl. Interrup. Therms	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794	48,794
Total Core Therms	10,538,746	10,567,484	10,593,989	10,637,417	10,642,905	10,661,491	10,696,224	10,764,130	10,750,588	10,775,191
Daily Baseload Therms	12,372	12,314	12,253	12,351	12,458	12,477	12,513	12,395	12,416	12,523
Peak Day Therms	99,429	97,159	97,441	100,293	100,582	100,859	101,161	98,925	101,808	102,072
Therms Per Residential Customer	3,726	3,726	3,726	3,743	3,726	3,726	3,726	3,743	3,726	3,726
Therms Per Commercial Customer	21,226	21,208	21,193	21,248	21,156	21,140	21,128	21,184	21,097	21,082
Therms Per Industrial Customer	109,106	109,108	109,110	109,453	109,060	109,059	109,090	109,444	109,077	109,076
Residential Customers	5,485	5,496	5,507	5,516	5,525	5,534	5,542	5,550	5,558	5,566
Commercial Customers	1,444	1,450	1,457	1,463	1,469	1,476	1,482	1,488	1,494	1,500
Industrial Customers	53	53	53	53	53	53	53	53	53	53
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	6,983	7,000	7,017	7,033	7,048	7,063	7,078	7,092	7,106	7,120

Zone 11	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.21%	0.16%	0.16%	0.55%	-0.26%	0.17%	0.25%	0.51%	-0.25%	0.16%
Residential Therms	14,097,088	14,106,500	14,113,702	14,176,742	14,121,055	14,124,387	14,129,756	14,189,160	14,133,458	14,134,647
Commercial Therms	18,063,991	18,115,127	18,167,028	18,290,076	18,265,951	18,317,482	18,405,463	18,530,450	18,506,358	18,557,119
Industrial Therms	4,089,001	4,085,516	4,085,516	4,100,171	4,086,174	4,093,923	4,093,774	4,096,528	4,083,934	4,089,383
Ind., Inst., & Cmpl. Interrup. Therms	95,281	95,281	95,281	95,823	95,281	95,281	95,281	95,880	95,281	95,281
Total Core Therms	36,345,361	36,402,424	36,461,527	36,662,812	36,568,461	36,631,073	36,724,274	36,912,017	36,819,032	36,874,429
Daily Baseload Therms	34,396	34,244	34,090	34,594	34,844	34,900	34,971	34,899	34,943	35,191
Peak Day Therms	376,581	370,887	369,494	376,005	376,615	377,272	378,106	375,900	379,882	380,589
Therms Per Residential Customer	2,639	2,639	2,639	2,649	2,638	2,638	2,639	2,649	2,639	2,639
Therms Per Commercial Customer	30,772	30,752	30,728	30,840	30,688	30,665	30,673	30,767	30,635	30,615
Therms Per Industrial Customer	153,470	153,283	153,283	153,815	153,214	153,213	153,145	153,678	153,069	153,189
Residential Customers	21,658	21,671	21,681	21,688	21,693	21,696	21,699	21,701	21,702	21,702
Commercial Customers	4,499	4,513	4,528	4,543	4,558	4,572	4,587	4,602	4,616	4,631
Industrial Customers	107	107	107	107	107	107	107	107	107	107
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	26,266	26,294	26,318	26,340	26,360	26,378	26,395	26,411	26,427	26,441

Zone 20	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.72%	0.99%	0.96%	1.30%	0.63%	0.87%	0.96%	1.28%	0.98%	0.88%
Residential Therms	20,137,353	20,397,429	20,653,984	20,988,097	21,154,567	21,401,291	21,647,827	21,973,507	22,126,855	22,362,449
Commercial Therms	21,710,363	21,903,250	22,067,719	22,300,403	22,413,710	22,553,941	22,741,630	22,996,357	23,040,694	23,239,333
Industrial Therms	1,070,861	1,047,137	1,047,137	1,051,136	1,053,639	1,056,135	1,056,295	1,060,350	1,040,642	1,015,910
Ind., Inst., & Cmpl. Interrup. Therms	327,119	327,119	327,119	328,828	327,076	327,076	327,119	329,816	327,119	327,119
Total Core Therms	43,245,695	43,674,935	44,095,959	44,668,464	44,948,993	45,338,443	45,772,871	46,359,130	46,535,310	46,944,812
Daily Baseload Therms	44,311	44,665	44,933	45,441	45,995	46,385	46,932	47,066	47,441	47,959
Peak Day Therms	542,099	543,375	552,351	557,338	562,776	568,155	574,022	575,486	585,791	590,690
Therms Per Residential Customer	2,873	2,873	2,873	2,885	2,872	2,872	2,873	2,885	2,873	2,873
Therms Per Commercial Customer	29,073	29,087	29,105	29,226	29,117	29,116	29,135	29,276	29,150	29,170
Therms Per Industrial Customer	118,271	117,269	117,269	117,745	117,222	117,222	117,236	117,178	116,073	114,185
Residential Customers	33,252	33,682	34,106	34,524	34,938	35,346	35,749	36,148	36,541	36,931
Commercial Customers	4,547	4,582	4,616	4,649	4,683	4,716	4,749	4,782	4,814	4,847
Industrial Customers	37	36	36	36	36	36	36	36	36	36
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	37,838	38,302	38,760	39,212	39,659	40,101	40,537	40,968	41,394	41,815

Zone 24	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.17%	0.21%	0.21%	0.61%	-0.21%	0.21%	0.22%	0.61%	-0.20%	0.20%
Residential Therms	4,445,791	4,458,568	4,471,320	4,503,143	4,496,124	4,508,854	4,522,231	4,554,185	4,547,544	4,560,332
Commercial Therms	4,318,839	4,326,924	4,334,991	4,360,634	4,350,393	4,358,449	4,367,004	4,392,837	4,382,878	4,390,664
Industrial Therms	233,363	233,363	233,363	233,849	233,363	233,363	233,363	233,363	233,363	233,363
Ind., Inst., & Cmpl. Interrup. Therms	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Therms	10,037,366	10,058,227	10,079,046	10,140,611	10,119,043	10,139,829	10,161,971	10,223,961	10,203,158	10,223,731
Daily Baseload Therms	7,727	7,689	7,650	7,715	7,780	7,793	7,806	7,725	7,737	7,803
Peak Day Therms	108,000	106,781	107,019	108,556	108,488	108,730	108,970	107,935	110,360	110,601
Therms Per Residential Customer	1,627	1,627	1,627	1,634	1,626	1,626	1,627	1,634	1,627	1,627
Therms Per Commercial Customer	8,020	8,019	8,019	8,052	8,017	8,017	8,018	8,051	8,018	8,018
Therms Per Industrial Customer	35,711	35,711	35,711	35,827	35,711	35,711	35,711	35,855	35,711	36,284
Residential Customers	7,373	7,394	7,415	7,436	7,456	7,477	7,498	7,519	7,540	7,561
Commercial Customers	1,466	1,469	1,472	1,475	1,477	1,480	1,483	1,486	1,489	1,491
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,862	8,886	8,910	8,934	8,957	8,981	9,005	9,028	9,052	9,075

Zone 26	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.18%	0.61%	1.36%	0.91%	-0.02%	0.42%	0.41%	0.73%	0.26%	0.45%
Residential Therms	1,735,440	1,748,866	1,763,552	1,783,877	1,789,473	1,802,784	1,816,729	1,838,938	1,842,811	1,865,749
Commercial Therms	5,242,094	5,271,395	5,304,429	5,414,468	5,412,518	5,430,922	5,451,621	5,488,804	5,488,677	5,505,962
Industrial Therms	1,210,056	1,217,812	1,223,572	1,230,398	1,224,888	1,229,384	1,230,179	1,235,779	1,252,565	1,261,635
Ind., Inst., & Cmpl. Interrup. Therms	103,528	103,528	103,528	103,698	103,528	103,528	103,528	103,643	103,528	103,528
Total Core Therms	8,291,117	8,341,600	8,455,080	8,532,442	8,530,406	8,566,617	8,602,056	8,665,164	8,687,581	8,726,874
Daily Baseload Therms	9,880	9,853	9,813	10,027	10,142	10,186	10,221	10,105	10,197	10,334
Peak Day Therms	86,390	84,327	84,897	85,515	86,139	86,439	86,732	87,359	90,566	90,860
Therms Per Residential Customer	3,554	3,554	3,559	3,577	3,558	3,558	3,559	3,569	3,559	3,559
Therms Per Commercial Customer	69,878	69,888	69,544	69,790	69,542	69,538	69,538	69,761	69,534	69,530
Therms Per Industrial Customer	156,402	156,401	156,401	156,973	156,395	156,395	156,402	156,986	156,401	156,400
Residential Customers	3,155	3,179	3,204	3,228	3,252	3,276	3,300	3,324	3,347	3,371
Commercial Customers	1,227	1,232	1,238	1,243	1,248	1,253	1,259	1,264	1,269	1,274
Industrial Customers	33	33	33	33	33	33	33	33	33	34
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,416	4,446	4,476							

Appendix B
Demand Forecast
Low Scenario

Zone 30-S	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.05%	0.41%	0.40%	0.78%	-0.01%	0.39%	0.62%	0.76%	0.00%	0.38%
Residential Therms	26,596,421	26,722,164	26,847,102	27,072,224	27,092,893	27,216,148	27,341,065	27,565,476	27,584,392	27,706,419
Commercial Therms	15,881,534	15,933,533	15,985,298	16,097,454	16,086,557	16,164,612	16,316,705	16,428,712	16,418,328	16,468,820
Industrial Therms	563,787	563,787	563,787	566,742	558,455	530,935	531,003	533,780	531,003	531,003
Ind., Inst., & Cmcl. Interrup. Therms	841,393	841,393	841,393	845,652	841,393	841,393	841,393	845,648	841,393	841,393
Total Core Therms	43,883,134	44,060,876	44,237,580	44,582,072	44,579,297	44,753,087	45,030,166	45,374,616	45,375,115	45,546,635
Daily Baseload Therms	41,564	41,594	41,623	41,916	42,210	42,495	42,655	42,544	42,701	42,993
Peak Day Therms	409,100	406,845	408,840	413,823	415,328	417,049	419,349	417,497	423,282	424,937
Therms Per Residential Customer	1,418	1,418	1,418	1,424	1,418	1,418	1,418	1,424	1,418	1,418
Therms Per Commercial Customer	8,050	8,048	8,046	8,074	8,041	8,047	8,076	8,105	8,073	8,071
Therms Per Industrial Customer	41,408	41,408	41,408	41,625	41,113	40,143	40,148	40,358	40,148	40,148
Residential Customers	38,013	38,193	38,371	38,549	38,726	38,902	39,077	39,251	39,424	39,597
Commercial Customers	3,953	3,967	3,981	3,996	4,010	4,025	4,039	4,053	4,067	4,081
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	1	1	1	1
Total Core Customers	41,995	42,189	42,382	42,574	42,765	42,955	43,144	43,333	43,520	43,707

Zone 30-W	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.12%	0.48%	0.48%	0.83%	0.10%	0.44%	0.45%	0.81%	0.06%	0.43%
Residential Therms	63,870,865	63,970,992	64,270,546	64,810,079	64,856,115	65,151,218	65,452,019	65,990,761	66,034,842	66,320,520
Commercial Therms	33,632,744	33,806,051	33,981,191	34,261,556	34,313,984	34,480,842	34,612,147	34,886,594	34,900,527	35,060,990
Industrial Therms	2,827,324	2,836,823	2,844,297	2,867,018	2,867,978	2,874,985	2,884,967	2,900,541	2,901,668	2,908,839
Ind., Inst., & Cmcl. Interrup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	100,130,933	100,615,866	101,096,033	101,938,653	102,038,077	102,487,045	102,949,133	103,779,896	103,846,037	104,294,349
Daily Baseload Therms	95,176	95,255	95,322	96,147	97,000	97,422	97,844	97,473	97,895	98,713
Peak Day Therms	968,179	960,731	965,184	981,294	985,787	990,236	994,669	989,059	1,003,792	1,008,165
Therms Per Residential Customer	5,619	5,619	5,619	5,642	5,618	5,618	5,619	5,642	5,619	5,619
Therms Per Commercial Customer	34,688	34,653	34,655	34,787	34,650	34,647	34,654	34,785	34,543	34,508
Therms Per Industrial Customer	206,711	206,711	206,711	207,284	206,705	206,705	206,711	207,365	206,711	206,711
Residential Customers	87,321	87,733	88,143	88,550	88,956	89,361	89,763	90,163	90,562	90,959
Commercial Customers	10,627	10,678	10,728	10,778	10,828	10,877	10,926	10,974	11,023	11,072
Industrial Customers	190	191	192	193	193	194	195	195	196	196
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	98,139	98,601	99,063	99,521	99,977	100,431	100,883	101,333	101,781	102,227

Zone GTN	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.57%	0.98%	0.96%	1.36%	0.47%	0.90%	0.90%	1.34%	0.45%	1.00%
Residential Therms	39,303,811	39,774,760	40,240,682	40,874,278	41,153,156	41,604,161	42,055,208	42,677,588	42,935,501	43,369,340
Commercial Therms	20,586,406	20,689,565	20,789,300	20,983,857	20,989,949	21,089,501	21,197,653	21,418,659	21,427,312	21,627,194
Industrial Therms	2,130,281	2,164,932	2,201,217	2,237,865	2,239,922	2,293,896	2,320,699	2,399,641	2,393,327	2,429,334
Ind., Inst., & Cmcl. Interrup. Therms	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Therms	62,317,985	62,926,744	63,528,686	64,395,102	64,700,514	65,285,044	65,871,047	66,755,025	67,053,627	67,723,354
Daily Baseload Therms	55,301	55,608	55,961	56,679	57,426	57,943	58,450	58,513	59,012	59,566
Peak Day Therms	759,793	759,964	765,550	781,525	788,825	795,706	802,585	804,097	818,570	825,765
Therms Per Residential Customer	7,595	7,602	7,609	7,650	7,622	7,629	7,636	7,676	7,649	7,656
Therms Per Commercial Customer	37,342	37,343	37,344	37,502	37,344	37,344	37,361	37,566	37,416	37,438
Therms Per Industrial Customer	116,560	117,745	119,194	119,953	119,697	119,973	120,242	121,079	122,219	123,005
Residential Customers	52,970	53,595	54,213	54,825	55,430	56,029	56,622	57,208	57,789	58,365
Commercial Customers	7,221	7,259	7,296	7,333	7,370	7,407	7,444	7,480	7,517	7,553
Industrial Customers	101	102	104	105	106	107	108	109	110	111
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	60,293	60,957	61,614	62,264	62,907	63,543	64,174	64,798	65,417	66,030

Zone ME-OR	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.00%	0.33%	0.34%	0.69%	-0.07%	0.34%	0.32%	0.71%	0.19%	0.31%
Residential Therms	6,545,127	6,574,583	6,603,859	6,659,183	6,661,419	6,690,510	6,720,394	6,775,714	6,778,079	6,806,683
Commercial Therms	7,230,917	7,253,607	7,278,109	7,324,807	7,318,502	7,343,288	7,364,215	7,416,305	7,450,317	7,470,952
Industrial Therms	651,829	651,829	651,829	654,181	651,741	651,741	651,829	654,181	651,829	651,829
Ind., Inst., & Cmcl. Interrup. Therms	1,191,430	1,191,430	1,191,430	1,198,388	1,191,314	1,191,314	1,191,430	1,198,343	1,191,430	1,191,430
Total Core Therms	15,619,303	15,671,451	15,725,228	15,833,559	15,822,976	15,876,853	15,927,869	16,041,543	16,073,656	16,120,894
Daily Baseload Therms	16,976	16,965	16,954	17,076	17,192	17,246	17,296	17,223	17,288	17,404
Peak Day Therms	180,688	179,391	180,060	182,325	183,005	183,670	184,344	182,924	185,617	186,268
Therms Per Residential Customer	3,114	3,114	3,114	3,126	3,113	3,113	3,114	3,126	3,114	3,114
Therms Per Commercial Customer	25,144	25,127	25,111	25,191	25,082	25,069	25,060	25,142	25,084	25,072
Therms Per Industrial Customer	108,943	108,943	108,943	109,289	108,929	108,929	108,943	109,289	108,943	108,943
Residential Customers	11,508	11,561	11,613	11,665	11,717	11,769	11,820	11,872	11,923	11,974
Commercial Customers	1,916	1,923	1,930	1,937	1,943	1,951	1,957	1,964	1,971	1,977
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	13,453	13,512	13,572	13,630	13,689	13,748	13,806	13,864	13,923	13,980

Zone ME-WA	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.01%	0.38%	0.39%	0.78%	-0.03%	0.37%	0.40%	0.75%	-0.03%	0.37%
Residential Therms	7,455,162	7,489,887	7,524,478	7,587,555	7,592,370	7,626,408	7,661,022	7,724,025	7,728,473	7,761,931
Commercial Therms	5,326,825	5,343,981	5,360,805	5,395,540	5,394,079	5,411,117	5,428,152	5,462,748	5,461,399	5,478,066
Industrial Therms	163,260	163,260	163,389	168,036	167,470	167,819	171,636	172,197	171,972	174,667
Ind., Inst., & Cmcl. Interrup. Therms	733,182	732,977	732,977	739,869	732,977	733,182	733,182	739,869	732,977	732,977
Total Core Therms	13,678,428	13,730,104	13,783,648	13,891,000	13,886,897	13,938,525	13,993,992	14,098,839	14,094,821	14,147,641
Daily Baseload Therms	13,271	13,284	13,299	13,394	13,482	13,532	13,586	13,568	13,617	13,707
Peak Day Therms	171,207	170,723	171,435	172,474	173,154	173,843	174,570	173,818	175,702	176,409
Therms Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Therms Per Commercial Customer	3,952	3,950	3,948	3,959	3,943	3,941	3,940	3,951	3,936	3,934
Therms Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	11,825	11,880	11,935	11,989	12,043	12,097	12,151	12,205	12,258	12,311
Commercial Customers	1,348	1,353	1,358	1,363	1,368	1,373	1,378	1,383	1,388	1,393
Industrial Customers	18	18	18	18	18	18	19	19	19	19
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	13,190									

Appendix B
Demand Forecast
Low Scenario

Bellingham District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.12%	0.50%	0.46%	0.83%	0.07%	0.45%	0.45%	0.82%	0.07%	0.45%
Residential Therms	34,594,365	34,758,614	34,922,675	35,217,529	35,244,208	35,405,948	35,569,946	35,864,357	35,889,209	36,047,867
Commercial Therms	16,333,037	16,423,749	16,496,543	16,629,020	16,637,141	16,707,223	16,778,241	16,910,856	16,923,033	16,998,501
Industrial Therms	1,127,330	1,134,474	1,140,281	1,150,570	1,152,971	1,159,321	1,165,754	1,176,617	1,178,906	1,185,117
Ind., Inst., & Cmdl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	52,054,732	52,316,836	52,559,499	52,997,119	53,034,320	53,272,492	53,513,941	53,951,830	53,991,148	54,231,486
Daily BaseLoad Therms	47,465	47,543	47,595	47,980	48,366	48,582	48,797	48,668	48,888	49,280
Peak Day Therms	526,475	523,517	525,941	533,605	536,014	538,464	540,874	537,978	545,911	548,353
Therms Per Residential Customer	2,756	2,756	2,756	2,766	2,755	2,755	2,756	2,766	2,756	2,756
Therms Per Commercial Customer	19,821	19,787	19,786	19,860	19,777	19,777	19,784	19,858	19,678	19,645
Therms Per Industrial Customer	17,769	17,769	17,769	17,827	17,768	17,768	17,769	17,827	17,769	17,769
Residential Customers	46,546	46,767	46,988	47,207	47,425	47,643	47,859	48,074	48,288	48,502
Commercial Customers	5,467	5,493	5,517	5,542	5,567	5,592	5,616	5,640	5,665	5,689
Industrial Customers	69	69	70	70	71	71	71	72	72	72
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	52,082	52,329	52,575	52,819	53,063	53,305	53,546	53,786	54,025	54,263

Mount Vernon District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.11%	0.46%	0.49%	0.83%	0.13%	0.43%	0.45%	0.79%	0.05%	0.42%
Residential Therms	29,076,500	29,212,378	29,347,872	29,592,550	29,611,907	29,745,270	29,882,073	30,126,405	30,145,633	30,276,653
Commercial Therms	17,299,707	17,384,302	17,484,648	17,632,535	17,676,843	17,753,619	17,833,906	17,975,738	17,986,494	18,062,488
Industrial Therms	1,699,994	1,702,349	1,704,016	1,716,449	1,715,006	1,715,664	1,719,213	1,725,923	1,722,762	1,723,721
Ind., Inst., & Cmdl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	48,076,201	48,299,030	48,536,536	48,941,534	49,003,757	49,214,553	49,435,192	49,828,066	49,854,889	50,062,863
Daily BaseLoad Therms	47,711	47,712	47,727	48,167	48,634	48,839	49,047	48,805	49,008	49,433
Peak Day Therms	441,704	437,214	439,244	447,689	449,746	451,772	453,796	449,081	457,821	459,812
Therms Per Residential Customer	2,863	2,863	2,863	2,875	2,863	2,863	2,864	2,875	2,864	2,864
Therms Per Commercial Customer	14,867	14,866	14,869	14,927	14,873	14,870	14,870	14,927	14,865	14,863
Therms Per Industrial Customer	188,942	188,942	188,942	189,457	188,937	188,942	188,942	189,539	188,942	188,942
Residential Customers	40,775	40,965	41,155	41,343	41,531	41,718	41,904	42,089	42,274	42,457
Commercial Customers	5,160	5,185	5,210	5,235	5,261	5,285	5,310	5,334	5,358	5,382
Industrial Customers	121	122	122	122	123	123	123	123	124	124
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	46,056	46,272	46,487	46,701	46,915	47,126	47,337	47,547	47,756	47,964

Bremerton District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.10%	0.46%	0.46%	0.84%	0.05%	0.45%	0.70%	0.82%	0.05%	0.43%
Residential Therms	24,045,780	24,171,075	24,295,562	24,510,535	24,541,107	24,663,911	24,787,542	25,001,897	25,030,056	25,150,599
Commercial Therms	12,903,234	12,955,376	13,007,568	13,109,062	13,109,765	13,167,960	13,339,401	13,441,892	13,441,164	13,491,656
Industrial Therms	426,193	426,193	426,193	428,480	420,929	393,409	393,409	393,518	393,409	393,409
Ind., Inst., & Cmdl. Interup. Therms	841,393	841,393	841,393	845,652	841,393	841,393	841,393	845,648	841,393	841,393
Total Core Therms	38,216,600	38,394,038	38,570,715	38,893,729	38,913,194	39,086,673	39,361,745	39,684,956	39,706,022	39,877,057
Daily BaseLoad Therms	35,925	36,011	36,096	36,333	36,571	36,856	37,015	37,015	37,172	37,408
Peak Day Therms	358,688	357,971	359,966	363,401	364,901	366,619	368,916	368,603	372,842	374,492
Therms Per Residential Customer	697	698	698	700	697	698	698	700	698	698
Therms Per Commercial Customer	4,014	4,012	4,010	4,024	4,006	4,012	4,041	4,054	4,037	4,035
Therms Per Industrial Customer	31,580	31,580	31,580	31,749	31,290	30,320	30,320	30,483	30,320	30,320
Residential Customers	34,474	34,653	34,831	35,008	35,184	35,360	35,534	35,708	35,881	36,053
Commercial Customers	3,215	3,229	3,244	3,258	3,272	3,287	3,301	3,316	3,330	3,344
Industrial Customers	13	13	13	13	13	13	13	13	13	13
Interruptible Customers	2	2	2	2	2	2	1	1	1	1
Total Core Customers	37,705	37,898	38,091	38,282	38,472	38,661	38,850	39,038	39,225	39,411

Longview District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	0.20%	0.63%	1.40%	0.93%	-0.01%	0.44%	0.43%	0.75%	0.28%	0.47%
Residential Therms	1,735,440	1,748,866	1,763,552	1,783,877	1,789,473	1,802,784	1,816,729	1,836,938	1,842,811	1,855,749
Commercial Therms	4,979,501	5,008,796	5,101,739	5,190,900	5,149,843	5,168,253	5,188,943	5,225,300	5,225,987	5,243,271
Industrial Therms	1,210,056	1,217,812	1,223,572	1,230,388	1,224,888	1,229,384	1,230,179	1,232,779	1,252,565	1,261,635
Ind., Inst., & Cmdl. Interup. Therms	103,528	103,528	103,528	103,698	103,528	103,528	103,528	103,643	103,528	103,528
Total Core Therms	8,028,524	8,079,001	8,192,390	8,268,873	8,267,731	8,303,948	8,339,378	8,401,660	8,424,891	8,464,183
Daily BaseLoad Therms	9,357	9,330	9,291	9,505	9,620	9,664	9,699	9,570	9,662	9,799
Peak Day Therms	85,539	83,534	84,103	84,662	85,286	85,586	85,879	86,564	89,713	90,007
Therms Per Residential Customer	3,554	3,554	3,559	3,577	3,558	3,558	3,559	3,569	3,569	3,569
Therms Per Commercial Customer	13,537	13,545	13,621	13,681	13,622	13,618	13,618	13,665	13,611	13,608
Therms Per Industrial Customer	156,402	156,401	156,401	156,973	156,395	156,395	156,402	156,986	156,401	156,400
Residential Customers	3,155	3,179	3,204	3,228	3,252	3,276	3,300	3,324	3,347	3,371
Commercial Customers	1,223	1,228	1,233	1,239	1,244	1,249	1,254	1,259	1,264	1,269
Industrial Customers	33	33	33	33	33	33	33	33	33	34
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,411	4,441	4,471	4,501	4,530	4,559	4,588	4,617	4,646	4,674

Aberdeen District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Therms Pct. Growth	-0.31%	0.01%	0.00%	0.38%	-0.39%	0.01%	0.04%	0.37%	-0.36%	0.01%
Residential Therms	2,550,641	2,551,089	2,551,541	2,561,689	2,551,786	2,552,237	2,553,523	2,563,578	2,554,336	2,554,820
Commercial Therms	2,978,299	2,978,156	2,977,730	2,988,392	2,976,752	2,976,652	2,977,304	2,987,819	2,977,163	2,977,164
Industrial Therms	137,594	137,594	137,594	138,262	137,526	137,526	137,594	138,262	137,594	137,594
Ind., Inst., & Cmdl. Interup. Therms	0	0	0	0	0	0	0	0	0	0
Total Core Therms	5,666,534	5,666,839	5,666,865	5,688,343	5,666,104	5,666,414	5,669,421	5,689,660	5,669,093	5,669,578
Daily BaseLoad Therms	5,639	5,583	5,527	5,583	5,640	5,640	5,640	5,528	5,529	5,585
Peak Day Therms	50,413	48,873	48,874	50,422	50,427	50,430	50,433	48,893	50,440	50,445
Therms Per Residential Customer	721	721	721	724	721	721	721	724	721	721
Therms Per Commercial Customer	4,036	4,036	4,036	4,050	4,035	4,035	4,036	4,050	4,036	4,036
Therms Per Industrial Customer	9,828	9,828	9,828	9,876	9,823	9,823	9,828	9,876	9,828	9,828
Residential Customers	3,538	3,539	3,540	3,540	3,541	3,542	3,542	3,543	3,544	3,544
Commercial Customers	738	738	738	738	738	738	738	738	738	738
Industrial Customers	14	14	14	14	14	14	14	14	14	14
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	4,290	4,291	4,292	4,292	4,293	4,294	4,294	4,295	4,295	4,296

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Kennewick District										
Total Therms Pct. Growth	0.88%	1.13%	1.09%	1.40%	0.77%	0.97%	1.08%	1.38%	0.48%	1.02%
Residential Therms	19,107,164	19,367,568	19,624,450	19,954,766	20,126,081	20,373,134	20,619,553	20,941,473	21,099,325	21,335,200
Commercial Therms	17,567,773	17,752,382	17,907,162	18,109,269	18,233,881	18,364,142	18,542,620	18,766,686	18,822,322	19,010,723
Industrial Therms	469,860	446,136	446,136	447,934	452,853	455,350	455,733	457,274	439,796	429,832
Ind., Inst., & Cmpl. Interrup. Therms	217,844	217,844	217,844	219,207	217,844	217,844	217,844	219,295	217,844	217,844
Total Core Therms	37,362,641	37,783,931	38,195,593	38,731,176	39,030,660	39,410,470	39,835,392	40,384,728	40,579,287	40,993,599
Daily BaseLoad Therms	39,389	39,766	40,059	40,545	41,061	41,444	41,987	42,119	42,486	42,965
Peak Day Therms	490,267	492,561	501,447	506,068	511,445	516,733	522,569	524,198	533,304	538,321
Therms Per Residential Customer	1,748	1,748	1,748	1,755	1,748	1,748	1,748	1,755	1,748	1,748
Therms Per Commercial Customer	72,880	72,893	72,486	72,731	72,489	72,483	72,499	72,751	72,509	72,524
Therms Per Industrial Customer	55,432	54,430	54,430	54,664	54,406	54,405	54,408	54,653	53,255	52,739
Residential Customers	31,452	31,883	32,308	32,727	33,141	33,550	33,954	34,352	34,747	35,137
Commercial Customers	3,888	3,921	3,954	3,987	4,020	4,052	4,084	4,116	4,147	4,178
Industrial Customers	18	17	17	17	18	18	18	18	18	17
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	35,359	35,823	36,280	36,732	37,179	37,620	38,056	38,487	38,913	39,334

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Walla Walla District										
Total Therms Pct. Growth	0.01%	0.38%	0.39%	0.78%	-0.03%	0.37%	0.40%	0.75%	-0.03%	0.37%
Residential Therms	7,455,162	7,489,887	7,524,478	7,587,555	7,592,370	7,626,408	7,661,022	7,724,025	7,728,473	7,761,931
Commercial Therms	5,326,825	5,343,881	5,360,805	5,395,540	5,394,079	5,411,117	5,428,152	5,462,748	5,461,399	5,476,066
Industrial Therms	163,260	163,260	165,389	168,036	167,470	167,819	171,636	172,197	171,972	174,667
Ind., Inst., & Cmpl. Interrup. Therms	733,182	732,977	732,977	739,969	732,977	733,182	733,182	739,969	732,977	732,977
Total Core Therms	13,678,428	13,730,104	13,783,648	13,891,000	13,866,897	13,998,825	13,993,992	14,098,839	14,094,821	14,147,641
Daily BaseLoad Therms	13,271	13,284	13,299	13,394	13,482	13,532	13,586	13,568	13,617	13,707
Peak Day Therms	171,207	170,723	171,435	172,474	173,154	173,843	174,570	173,818	175,702	176,409
Therms Per Residential Customer	630	630	630	633	630	630	630	633	630	630
Therms Per Commercial Customer	3,952	3,950	3,948	3,959	3,943	3,941	3,940	3,951	3,936	3,934
Therms Per Industrial Customer	9,264	9,264	9,264	9,294	9,263	9,263	9,264	9,295	9,264	9,264
Residential Customers	11,825	11,880	11,935	11,989	12,043	12,097	12,151	12,205	12,258	12,311
Commercial Customers	1,348	1,353	1,358	1,363	1,368	1,373	1,378	1,383	1,388	1,393
Industrial Customers	18	18	18	18	18	18	19	19	19	19
Interruptible Customers	0	0	0	0	0	0	0	0	0	0
Total Core Customers	13,190	13,251	13,311	13,370	13,430	13,489	13,548	13,606	13,665	13,723

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Wenatchee District										
Total Therms Pct. Growth	-0.40%	0.04%	0.07%	0.51%	-0.37%	0.08%	0.05%	0.42%	-0.36%	-0.05%
Residential Therms	1,604,930	1,602,321	1,599,576	1,603,391	1,593,747	1,590,988	1,588,965	1,592,630	1,583,464	1,580,893
Commercial Therms	8,705,731	8,716,309	8,727,607	8,777,080	8,749,410	8,761,085	8,772,081	8,822,828	8,795,353	8,807,027
Industrial Therms	1,116,198	1,112,713	1,112,713	1,117,407	1,112,481	1,112,475	1,109,253	1,103,288	1,098,765	1,083,997
Ind., Inst., & Cmpl. Interrup. Therms	109,275	109,275	109,275	109,621	109,232	109,232	109,275	109,621	109,275	109,275
Total Core Therms	11,536,135	11,540,617	11,549,171	11,607,509	11,564,870	11,573,780	11,579,574	11,628,367	11,586,857	11,581,192
Daily BaseLoad Therms	12,347	12,283	12,215	12,266	12,348	12,355	12,354	12,275	12,283	12,363
Peak Day Therms	97,294	94,935	92,990	94,649	94,706	94,787	94,773	93,336	95,617	95,687
Therms Per Residential Customer	2,280	2,280	2,280	2,289	2,279	2,279	2,280	2,289	2,280	2,280
Therms Per Commercial Customer	29,504	29,489	29,483	29,607	29,459	29,451	29,458	29,571	29,439	29,436
Therms Per Industrial Customer	117,982	117,795	117,795	118,356	117,779	117,779	117,795	118,335	117,797	118,425
Residential Customers	3,008	3,002	2,997	2,991	2,985	2,980	2,974	2,968	2,962	2,957
Commercial Customers	1,420	1,421	1,422	1,423	1,425	1,426	1,427	1,428	1,430	1,431
Industrial Customers	37	37	37	37	37	37	37	37	37	37
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	4,466	4,462	4,457	4,453	4,448	4,444	4,439	4,434	4,430	4,425

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Yakima District										
Total Therms Pct. Growth	-0.12%	0.22%	0.21%	0.59%	-0.21%	0.20%	0.31%	0.58%	-0.20%	0.20%
Residential Therms	16,611,948	16,629,656	16,644,900	16,725,846	16,666,283	16,676,810	16,689,658	16,786,339	16,706,652	16,714,213
Commercial Therms	19,573,297	19,643,395	19,714,636	19,860,505	19,851,365	19,921,785	20,030,401	20,176,357	20,167,613	20,237,481
Industrial Therms	5,164,300	5,165,789	5,165,791	5,162,607	5,165,781	5,166,757	5,176,948	5,198,316	5,183,137	5,188,563
Ind., Inst., & Cmpl. Interrup. Therms	144,075	144,075	144,075	144,618	144,075	144,075	144,075	144,674	144,075	144,075
Total Core Therms	41,493,619	41,582,895	41,669,403	41,913,577	41,827,504	41,909,427	42,041,082	42,285,666	42,201,477	42,284,331
Daily BaseLoad Therms	39,865	39,697	39,523	40,097	40,409	40,485	40,598	40,501	40,566	40,879
Peak Day Therms	431,400	424,719	425,643	433,772	434,676	435,620	436,800	430,613	439,214	440,196
Therms Per Residential Customer	5,210	5,210	5,210	5,232	5,209	5,209	5,210	5,232	5,210	5,210
Therms Per Commercial Customer	35,027	35,007	34,981	35,086	34,928	34,905	34,899	35,001	34,856	34,830
Therms Per Industrial Customer	207,433	207,435	207,437	207,993	207,311	207,310	207,266	207,852	207,168	207,287
Residential Customers	25,935	25,964	25,989	26,011	26,030	26,047	26,063	26,078	26,092	26,104
Commercial Customers	5,187	5,208	5,229	5,250	5,270	5,291	5,312	5,332	5,352	5,373
Industrial Customers	141	141	141	141	141	141	141	141	141	141
Interruptible Customers	3	3	3	3	3	3	3	3	3	3
Total Core Customers	31,266	31,316	31,362	31,404	31,444	31,482	31,519	31,554	31,588	31,622

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Central Oregon (Bend) District										
Total Therms Pct. Growth	0.57%	0.98%	0.96%	1.36%	0.47%	0.90%	0.90%	1.34%	0.45%	1.00%
Residential Therms	39,303,811	39,774,760	40,240,682	40,874,278	41,153,156	41,604,161	42,055,208	42,677,598	42,935,501	43,369,340
Commercial Therms	20,586,406	20,689,565	20,789,300	20,983,857	20,989,949	21,089,501	21,197,653	21,418,659	21,427,312	21,627,194
Industrial Therms	2,130,281	2,164,932	2,201,217	2,237,865	2,259,922	2,293,896	2,320,699	2,359,641	2,393,327	2,429,334
Ind., Inst., & Cmpl. Interrup. Therms	297,487	297,487	297,487	299,102	297,487	297,487	297,487	299,128	297,487	297,487
Total Core Therms	62,317,985	62,926,744	63,528,686	64,395,102	64,700,514	65,285,044	65,871,047	66,759,025	67,053,627	67,723,354
Daily BaseLoad Therms	55,301	55,608	55,961	56,679	57,426	57,943	58,450	58,513	59,012	59,566
Peak Day Therms	759,793	759,964	765,550	781,525	788,825	795,706	802,585	804,097	818,570	825,765
Therms Per Residential Customer	7,595	7,602	7,609	7,650	7,622	7,629	7,636	7,676	7,649	7,656
Therms Per Commercial Customer	37,342	37,343	37,344	37,502	37,344	37,344	37,361	37,566	37,416	37,438
Therms Per Industrial Customer	116,560	117,745	119,194	119,953	119,697	119,973	120,242	121,079	122,219	123,005
Residential Customers	52,970	53,595	54,213	54,825	55,430	56,029	56,622	57,208	57,789	58,365
Commercial Customers	7,221									

Appendix B
Demand Forecast
Low Scenario

Pendleton District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.00%	0.33%	0.34%	0.69%	-0.07%	0.34%	0.32%	0.71%	0.19%	0.31%
Residential Thems	6,545,127	6,574,583	6,603,859	6,659,183	6,661,419	6,690,510	6,720,394	6,775,714	6,778,079	6,806,683
Commercial Thems	7,230,917	7,253,607	7,278,109	7,324,807	7,318,502	7,343,288	7,364,215	7,450,305	7,450,317	7,470,952
Industrial Thems	651,829	651,829	651,829	654,181	651,741	651,741	651,829	654,181	651,829	651,829
Ind., Inst., & Cmcl. Interrup. Thems	1,191,430	1,191,430	1,191,430	1,195,388	1,191,314	1,191,314	1,191,430	1,195,343	1,191,430	1,191,430
Total Core Thems	15,619,303	15,671,451	15,725,228	15,833,559	15,822,976	15,876,853	15,927,869	16,041,543	16,071,656	16,120,894
Daily BaseLoad Thems	16,976	16,965	16,954	17,076	17,192	17,246	17,296	17,223	17,288	17,404
Peak Day Thems	180,688	179,391	180,060	182,325	183,005	183,674	184,344	182,924	185,617	186,288
Thems Per Residential Customer	3,114	3,114	3,114	3,126	3,113	3,113	3,114	3,126	3,114	3,114
Thems Per Commercial Customer	25,144	25,127	25,111	25,191	25,082	25,069	25,142	25,084	25,072	25,072
Thems Per Industrial Customer	108,943	108,943	108,943	109,289	108,929	108,929	108,943	109,289	108,943	108,943
Residential Customers	11,508	11,561	11,613	11,665	11,717	11,769	11,820	11,872	11,923	11,974
Commercial Customers	1,916	1,923	1,930	1,937	1,943	1,951	1,957	1,964	1,971	1,977
Industrial Customers	27	27	27	27	27	27	27	27	27	27
Interruptible Customers	2	2	2	2	2	2	2	2	2	2
Total Core Customers	13,453	13,512	13,572	13,630	13,689	13,748	13,806	13,864	13,923	13,980

Eastern Oregon (Ontario) District	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	-0.17%	0.21%	0.21%	0.61%	-0.21%	0.21%	0.22%	0.61%	-0.20%	0.20%
Residential Thems	4,445,791	4,458,568	4,471,320	4,503,143	4,496,124	4,508,854	4,522,231	4,554,185	4,547,544	4,560,332
Commercial Thems	4,318,639	4,326,924	4,334,991	4,360,634	4,350,393	4,358,449	4,367,004	4,392,837	4,382,878	4,390,664
Industrial Thems	233,363	233,363	233,363	233,849	233,363	233,363	233,363	233,962	233,363	233,363
Ind., Inst., & Cmcl. Interrup. Thems	1,039,372	1,039,372	1,039,372	1,042,986	1,039,162	1,039,162	1,039,372	1,042,986	1,039,372	1,039,372
Total Core Thems	10,037,366	10,058,227	10,079,046	10,140,612	10,119,043	10,129,829	10,161,971	10,220,991	10,203,158	10,223,731
Daily BaseLoad Thems	7,727	7,689	7,650	7,715	7,780	7,793	7,806	7,725	7,737	7,803
Peak Day Thems	108,000	106,781	107,019	108,556	108,488	108,730	108,970	107,935	110,360	110,601
Thems Per Residential Customer	1,627	1,627	1,627	1,634	1,626	1,626	1,627	1,634	1,627	1,627
Thems Per Commercial Customer	8,020	8,019	8,019	8,052	8,017	8,018	8,018	8,051	8,018	8,018
Thems Per Industrial Customer	35,711	35,711	35,711	35,827	35,711	35,711	35,711	35,855	35,711	35,711
Residential Customers	7,373	7,384	7,415	7,436	7,456	7,477	7,498	7,519	7,540	7,561
Commercial Customers	1,466	1,469	1,472	1,475	1,477	1,480	1,483	1,486	1,489	1,491
Industrial Customers	22	22	22	22	22	22	22	22	22	22
Interruptible Customers	1	1	1	1	1	1	1	1	1	1
Total Core Customers	8,862	8,886	8,910	8,934	8,957	8,981	9,005	9,028	9,052	9,075

Oregon	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.39%	0.77%	0.76%	1.16%	0.30%	0.73%	0.72%	1.15%	0.33%	0.79%
Residential Thems	50,294,729	50,807,911	51,315,861	52,036,603	52,310,700	52,803,525	53,297,833	54,007,497	54,261,125	54,736,354
Commercial Thems	32,136,162	32,270,097	32,402,400	32,669,298	32,658,844	32,791,237	32,926,873	33,227,801	33,260,507	33,488,810
Industrial Thems	3,015,473	3,050,125	3,086,409	3,125,894	3,145,026	3,179,000	3,205,891	3,274,804	3,314,527	3,314,527
Ind., Inst., & Cmcl. Interrup. Thems	2,528,290	2,528,289	2,528,289	2,537,477	2,527,964	2,527,964	2,528,290	2,537,456	2,528,289	2,528,289
Total Core Thems	87,974,653	88,656,422	89,332,960	90,369,272	90,642,534	91,301,725	91,960,886	93,020,559	93,328,441	94,067,980
Daily BaseLoad Thems	80,005	80,261	80,566	81,470	82,398	82,983	83,551	83,461	84,037	85,162
Peak Day Thems	1,048,481	1,046,136	1,052,629	1,072,407	1,080,318	1,088,107	1,095,899	1,094,956	1,114,548	1,122,633
Thems Per Residential Customer	12,335	12,342	12,349	12,409	12,362	12,369	12,376	12,436	12,390	12,396
Thems Per Commercial Customer	70,505	70,490	70,474	70,746	70,444	70,430	70,439	70,759	70,518	70,528
Thems Per Industrial Customer	261,213	262,398	263,847	265,069	264,336	264,613	264,895	266,223	266,872	268,231
Residential Customers	71,851	72,549	73,241	73,926	74,603	75,275	75,940	76,599	77,252	77,900
Commercial Customers	10,602	10,651	10,698	10,745	10,791	10,838	10,883	10,930	10,976	11,022
Industrial Customers	151	152	153	154	155	156	157	158	159	160
Interruptible Customers	4	4	4	4	4	4	4	4	4	4
Total Core Customers	82,608	83,356	84,095	84,828	85,553	86,273	86,984	87,691	88,391	89,085

Washington	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.15%	0.50%	0.52%	0.85%	0.10%	0.45%	0.53%	0.83%	0.06%	0.45%
Residential Thems	136,781,930	137,531,454	138,274,604	139,537,738	139,716,961	140,437,489	141,169,012	142,417,643	142,579,959	143,277,925
Commercial Thems	105,667,405	106,206,446	106,778,439	107,652,314	107,779,119	108,251,836	108,891,048	109,707,225	109,800,528	110,306,379
Industrial Thems	11,514,785	11,506,299	11,521,685	11,580,143	11,549,907	11,537,705	11,559,360	11,603,175	11,578,906	11,578,536
Ind., Inst., & Cmcl. Interrup. Thems	2,149,296	2,149,091	2,149,091	2,162,665	2,149,048	2,149,252	2,149,296	2,162,749	2,149,091	2,149,091
Total Core Thems	256,113,415	257,393,290	258,723,819	260,932,860	261,195,036	262,376,282	263,768,716	265,938,529	266,108,484	267,319,911
Daily BaseLoad Thems	250,969	251,210	251,333	253,871	256,130	257,398	258,721	258,050	259,210	261,419
Peak Day Thems	2,652,986	2,634,048	2,649,642	2,686,742	2,700,382	2,713,852	2,728,610	2,713,044	2,760,824	2,773,722
Thems Per Residential Customer	20,460	20,460	20,465	20,551	20,460	20,460	20,465	20,544	20,465	20,465
Thems Per Commercial Customer	197,639	197,585	197,219	197,925	197,133	197,093	197,145	197,828	196,967	196,909
Thems Per Industrial Customer	794,632	793,445	793,445	796,189	792,972	792,001	791,997	794,844	790,744	788,974
Residential Customers	200,709	201,833	202,946	204,045	205,133	206,213	207,282	208,341	209,392	210,436
Commercial Customers	27,645	27,776	27,906	28,035	28,165	28,292	28,420	28,546	28,671	28,797
Industrial Customers	464	465	466	467	468	468	470	470	471	471
Interruptible Customers	8	8	8	8	8	8	8	8	8	8
Total Core Customers	228,826	230,082	231,326	232,555	233,774	234,981	236,178	237,364	238,542	239,712

System	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
Total Thems Pct. Growth	0.21%	0.57%	0.58%	0.93%	0.15%	0.52%	0.58%	0.91%	0.13%	0.54%
Residential Thems	187,076,659	188,339,365	189,590,465	191,574,342	192,027,661	193,241,013	194,466,845	196,425,139	196,841,084	198,014,279
Commercial Thems	137,803,566	138,476,542	139,180,839	140,321,612	140,437,963	141,043,073	141,819,921	142,996,026	143,061,035	143,795,189
Industrial Thems	14,530,258	14,556,424	14,608,094	14,706,038	14,694,934	14,716,705	14,765,251	14,850,979	14,857,425	14,893,063
Ind., Inst., & Cmcl. Interrup. Thems	4,677,586	4,677,381	4,677,381	4,700,141	4,677,012	4,677,217	4,677,586	4,700,206	4,677,381	4,677,381
Total Core Thems	344,088,069	346,049,712	348,056,779	351,302,132	351,837,570	353,678,008	355,729,603	358,974,350	359,436,925	361,379,911
Daily BaseLoad Thems	330,974	331,471	331,898	335,341	338,529	340,381	342,273	341,510	343,248	346,581
Peak Day Thems	3,701,467	3,680,185	3,702,271	3,759,149	3,780,700	3,801,959	3,824,509	3,808,000	3,875,372	3,896,356
Thems Per Residential Customer	32,796	32,803	32,814	32,960	32,822	32,829	32,841	32,979	32,854	32,861
Thems Per Commercial Customer	268,144	268,074	267,693	268,670	267,577	267,523	267,584	268,587	267,437	267,437
Thems Per Industrial Customer	1,055,845	1,055,843	1,057,292	1,061,258	1,057,309	1,056,614	1,056,892	1,061,067	1,057,616	1,057,205
Residential Customers	272,559	274,382	276,187	277,971	279,736	281,487				