APPENDIX 3.1

CUSTOMER FORECASTS

APPENDIX 3.1 – CUSTOMER FORECASTS

OVERVIEW

Avista presented their 2009 Natural Gas Demand Forecast to the Technical Advisory Committee (TAC) in April 2009. What follows in narrative is the process of preparing the company base customer growth forecast. The first step is a framework-forecast of the national economy, followed by regional economic forecasts consistent with the national outlook. The employment and population forecasts are the key drivers for the natural gas customer forecast.

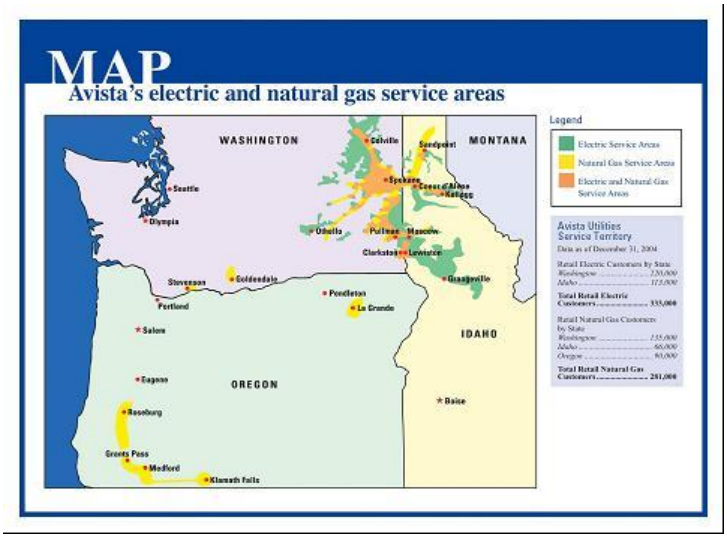
NATIONAL ECONOMIC OUTLOOK

Avista has contracted for national economic forecasts with Global Insight, Inc. for over two decades. The Spring 2008 twenty-five year long term forecast was used as the basis for the 2009 effort; the Spring 2009 county forecast update took into account the depth of the current recession but was largely unchanged after the anticipated economic recovery. The following narrative has Avista remarks and Global Insight forecasts (used with permission) which are consistent with the presentation at the TAC in April 2009, with a focus on the near term national outlook.

The U.S. Gross Domestic Product is expected to rebound to levels in 2010 to the 2.5 to 3.0 percent range after the severe recession in 2008 and 2009. Longer term the rate settles in at 2.6 percent.

REGIONAL ECONOMIC OUTLOOK

Avista serves natural gas in eastern Washington, northern Idaho, and in portions of five counties in Oregon. The principal county in Washington is Spokane, while in Idaho there are two counties; Kootenai and Bonner are barometers of service area growth. Kootenai County includes Coeur d'Alene, Post Falls, Hayden and a host of smaller municipalities and Bonner County is anchored by Sandpoint. The primary cities in Spokane County are the City of Spokane, City of Spokane Valley and Liberty Lake. In Oregon, the counties (principal city) of Jackson (Medford), Josephine (Grants Pass), Douglas (Roseburg), Klamath (Klamath Falls) and Union (La Grande) round out the service territory. The map below shows the breadth of the service area.



Global Insight, Inc. has been providing county-level forecasts to Avista for several years. These forecasts are consistent with and driven by their national forecast.

The economic concepts provided are forecast forward for 30 years. We report below forecast data ending in the year 2030, the twenty-year horizon IRP horizon.

Overall, the results of the economic forecasts suggest the following impacts on Avista's customer growth: Near term the weakness in construction will be mirrored with slow customer growth, while longer term, underlying employment and population growth will drive customer growth.

The following table indicates a listing of 21 counties served by Avista Natural Gas. We purchased economic forecasts for the 15 principal counties.

Table of Counties Served (All or Portions)

Washington	Idaho	Oregon
Adams*	Benewah	Douglas
Asotin	Bonner	Jackson
Franklin*	Boundary	Josephine
Grant*	Latah	Klamath
Klickitat*	Nez Perce	Union
Lincoln*	Shosone	
Skamania*		
Spokane		
Stevens		
Whitman		

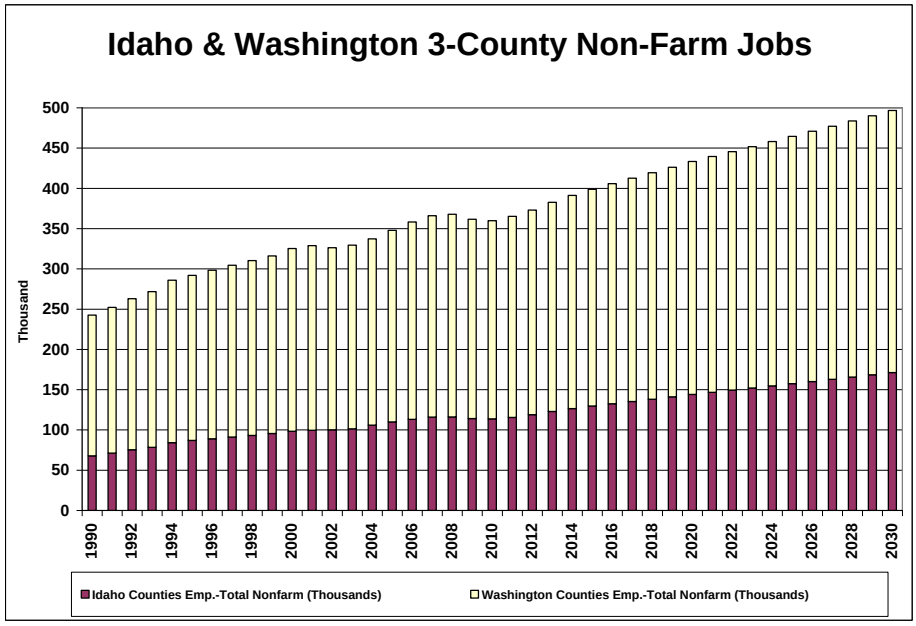
*Did not purchase economic data, few customers served

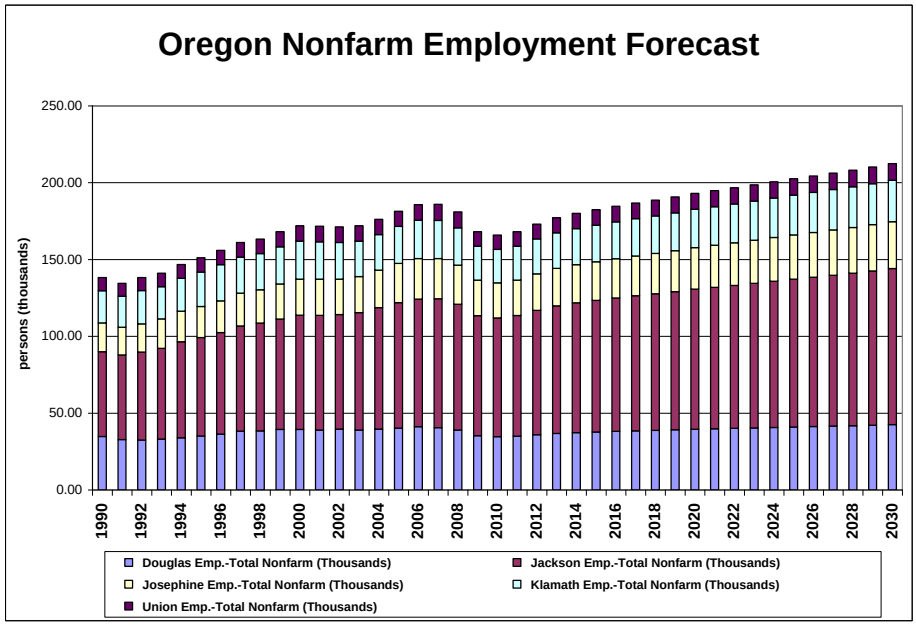
The charts that follow are the actual employment, population, population age 65 and over, number of households and personal income forecasts used to produce the natural gas customer forecasts by state, by customer class (residential, commercial and industrial) and by rate schedule (firm – small, medium and large-sized customers).

Although the forecasts are prepared in detail by county, the charts aggregate the data by State.

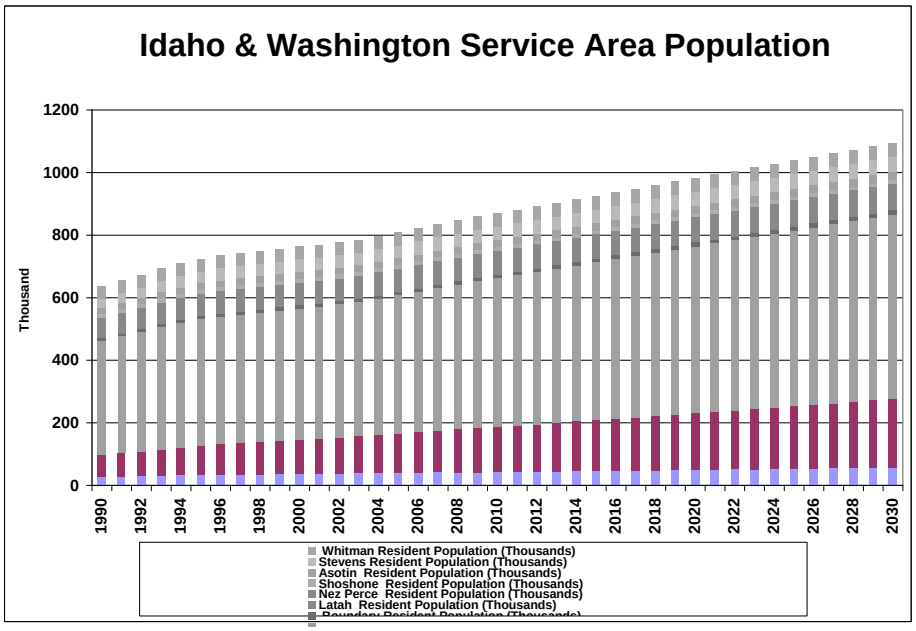
The first pair of charts is Non-Farm Employment. During the last decade, fairly consistent growth in jobs was observed except during recession periods in 2000-01 and at the present time.

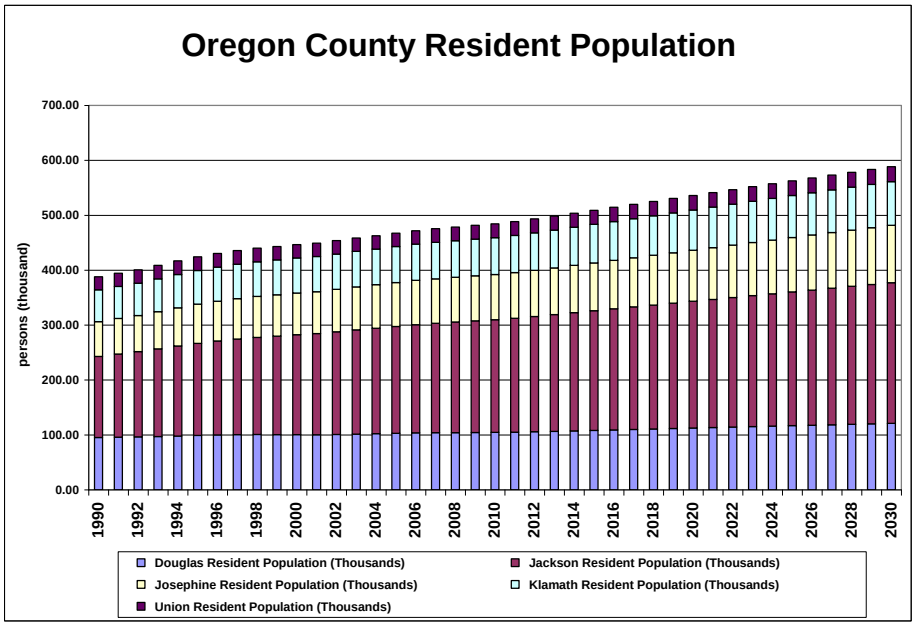
The twenty year average compounded growth rate in jobs for Idaho Counties was 2.6 percent from 1990-2010, and is forecast to be 2.1 percent for the period 2010-2030. Washington Counties were 1.7 percent from 1990-2010, and is forecast to be 1.4 percent for the period 2010-2030. And Oregon Counties were 0.9 percent from 1990-2010, and is forecast to be 1.2 percent for the period 2010-2030.



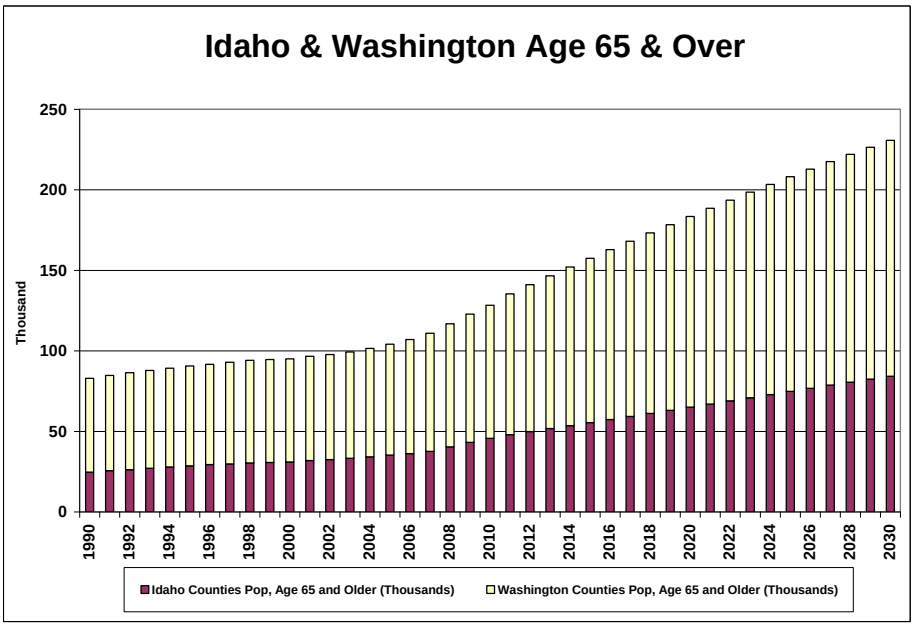


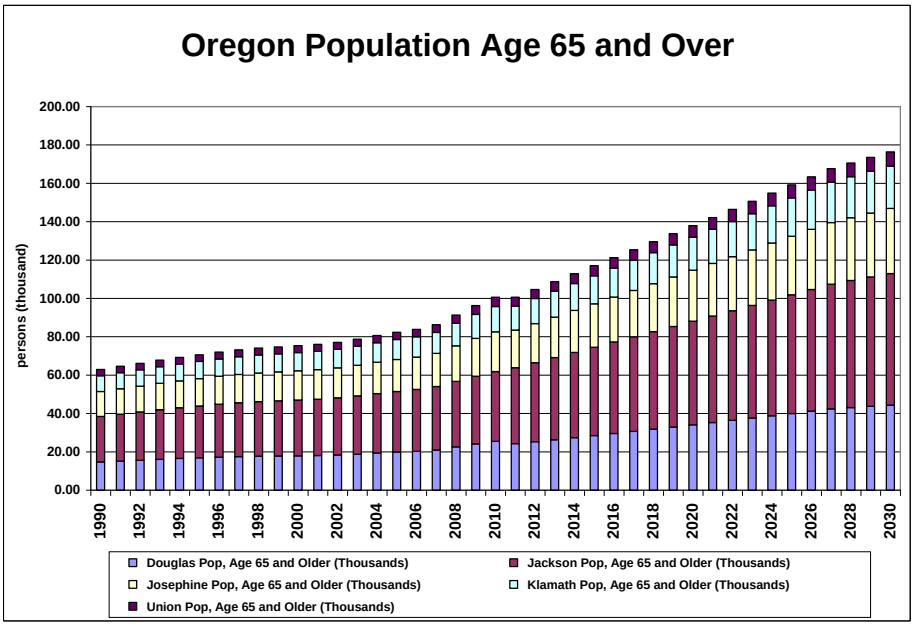
Next is resident population. The twenty year average compounded growth rate in population for Idaho Counties was 2.2 percent from 1990-2010, and is forecast to be 1.5 percent for the period 2010-2030. Washington Counties were 1.3 percent from 1990-2010, and is forecast to be 1.0 percent for the period 2010-2030. And Oregon Counties were 1.1 percent from 1990-2010, and is forecast to be 1.0 percent for the period 2010-2030.



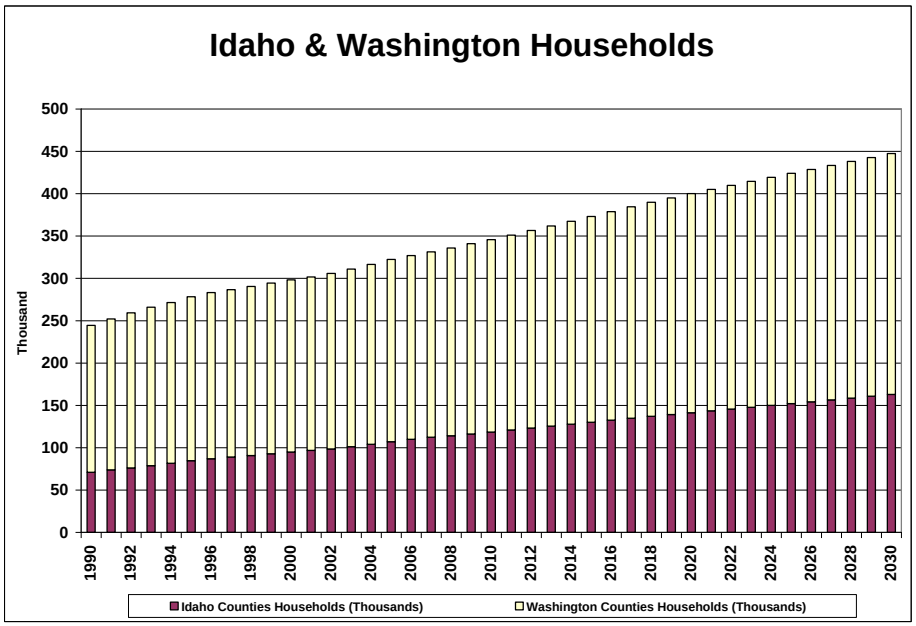


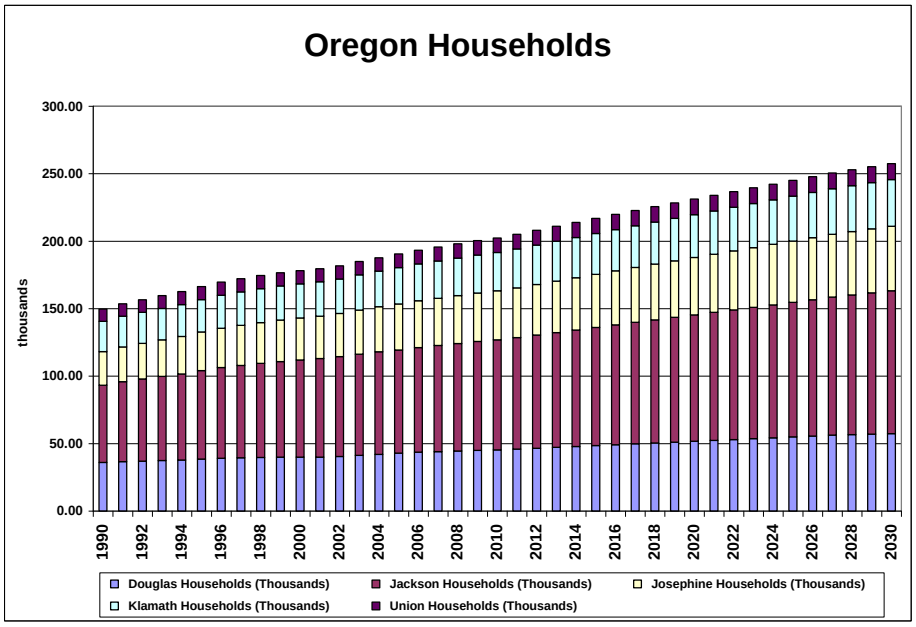
The next pair of charts is persons 65 years and over. The twenty year average compounded growth rate in persons 65 and over for Idaho Counties was 3.1 percent from 1990-2010, and is forecast to be 3.1 percent for the period 2010-2030. Washington Counties were 1.8 percent from 1990-2010, and is forecast to be 2.9 percent for the period 2010-2030. And Oregon Counties were 2.4 percent from 1990-2010, and is forecast to be 2.8 percent for the period 2010-2030.





The next economic variable used in the preparation of Avista's forecast is number of resident households in the service area. The household growth rate for Idaho Counties was 2.6 percent from 1990-2010, and is forecast to be 1.6 percent for the period 2010-2030. Washington Counties were 1.4 percent from 1990-2010, and is forecast to be 1.1 percent for the period 2010-2030. And Oregon Counties were 1.5 percent from 1990-2010, and is forecast to be 1.2 percent for the period 2010-2030.





REFERENCE CASE FORECASTS OF CUSTOMERS SERVED

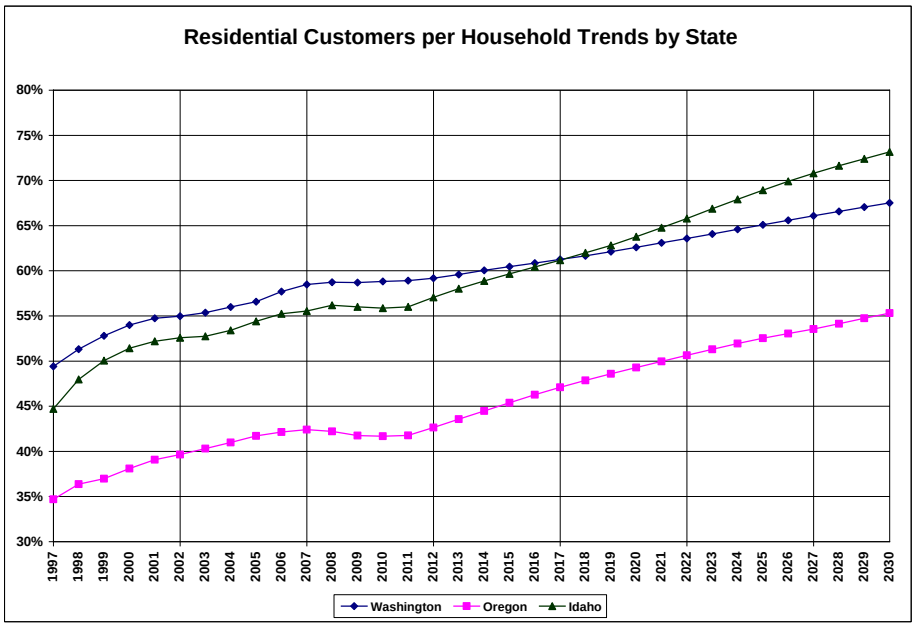
Reference case customer forecasts for residential customers are consistent with our economic forecasts. The relationship has been changing over the last decade, and the forecasts take into account the most recent trends. As shown on the next figure, the number of residential customers per household grew rapidly between 1997 and 2001, while it has slowed during the present economic downturn. About half of the growth between 1997 and 2001 was due to fuel switching of existing homes from other heating sources to natural gas. Although fuel switching continues to occur, today it represents only 15 percent of customer additions.

To produce the customer forecast, we look at recent trends in housing construction and the likelihood those homes will be served with natural gas. For example, in Washington, the number of single family homes being constructed has declined, with apartment dwellings taking a larger market share. Multi-family housing has traditionally been served with electricity only, limiting the number of available dwellings for natural gas service.

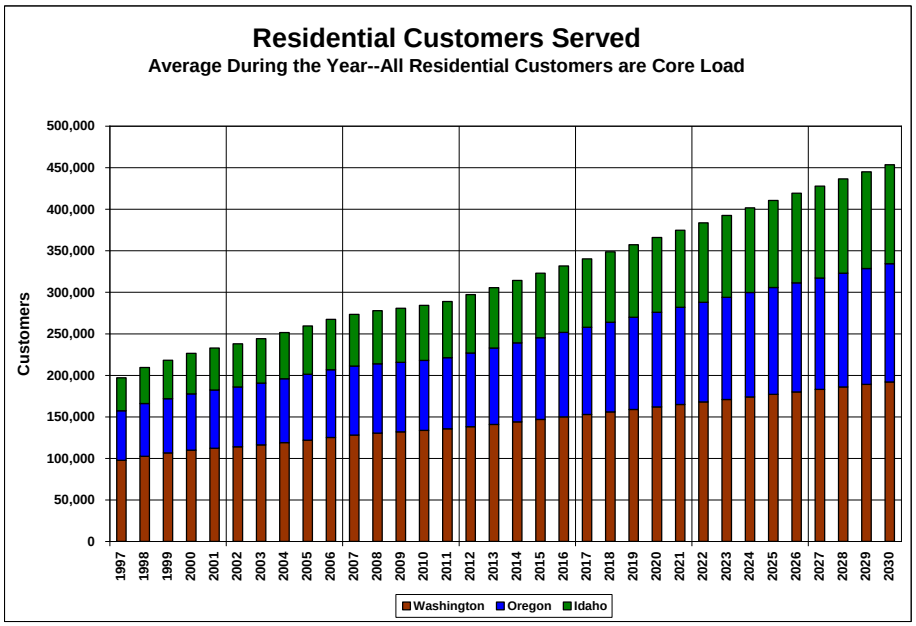
However, in the areas outside of the urban core of Spokane, including the rest of Washington, much of Idaho and Oregon, housing construction activity has maintained very high levels of single family homes, whether detached-style homes on individual lots or attached-style homes, like duplexes, townhomes, or condominiums. This market is traditionally served with natural gas water and space heat, and many of these homes now are being built with natural gas clothes dryers, gas ranges and ovens and natural gas fire places.

Because growth management laws are in place in all of Avista's natural gas service areas, we assume these construction trends in the urban growth areas will be served with natural gas, and do not anticipate any switching to electricity. We have an effort under way to encourage multi-family builders, who typically are building apartments for rental purposes to include natural gas appliances, but this forecast does not assume this effort will lead to a change in construction practices. We will continue to monitor activity in the multi-family housing segment.

The forecast assumes that the trends of the last five years continue into the future, adjusted for the sharp building cycle presently under way and based on the household forecasts provided by Global Insight. The chart shows the number of residential customers per household. The reason this ratio is increasing in the forecast period is because the ratio of homes being added is higher than the current ratio. This is largely driven by the assumption of nearly 100 percent of new homes having at least one natural gas service. Also, outside of the Medford and Spokane metropolitan areas, the multi-family construction market is very small. The only exception would be in Pullman and Moscow where growth in university enrollments is leading to apartment construction activity in those special areas. To a lesser extent, La Grande, Klamath Falls, and Ashland are seeing student growth-driven apartment construction, but to a small extent.

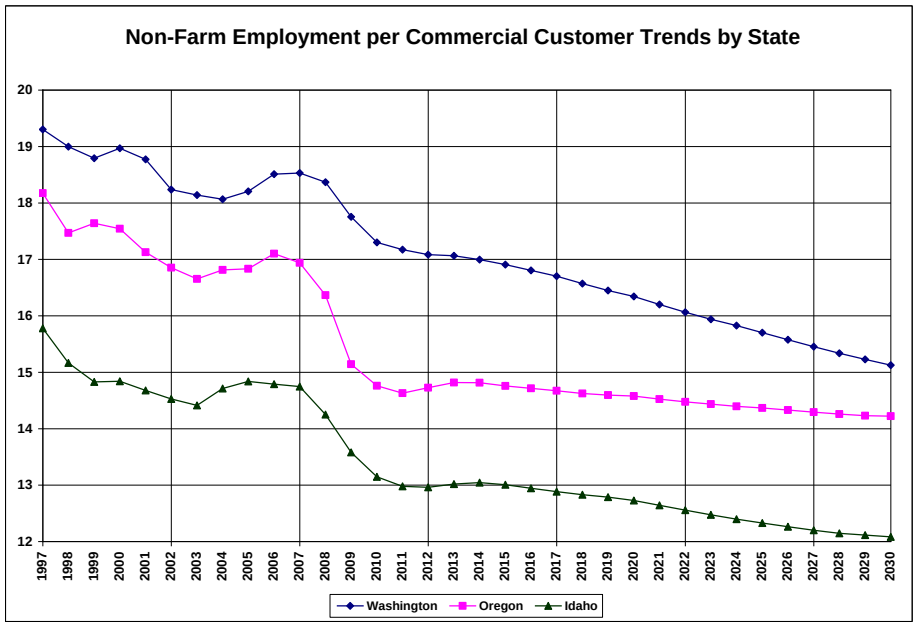


The residential customer forecast is the product of the customers-per-household forecast and the household forecast from Global Insight.

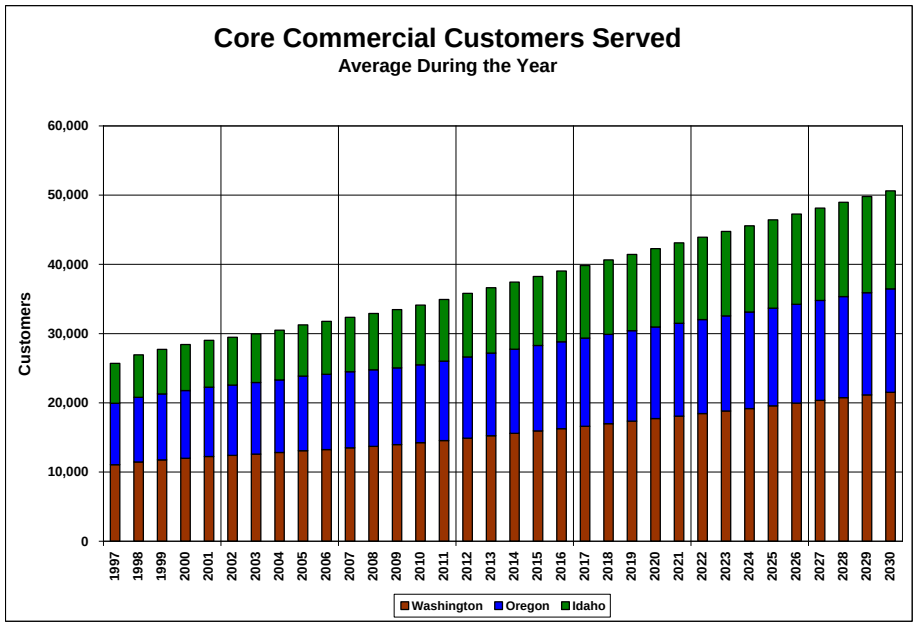


Core commercial customers served are based on job forecasts for each county, as well as the number of residential customers. The figure below shows ratio of non-farm workers per commercial customer. The previous ten years show declines in numbers of workers early in the period, followed by a buildup until recently. This build up is due to an increase in the number of big-box retail stores, which have moved from the very large metro areas into the smaller metro areas served by Avista. We believe that build out is largely complete. We do not anticipate new large mall-type complexes will be built in to any great extent. Therefore, in a few more years we expect the number of workers will again begin to decline as smaller shops and strip-mall developments fill into the neighborhood developments. We have taken into account the known shopping areas that have been either permitted or have those proposed that have a high probability of being built in the

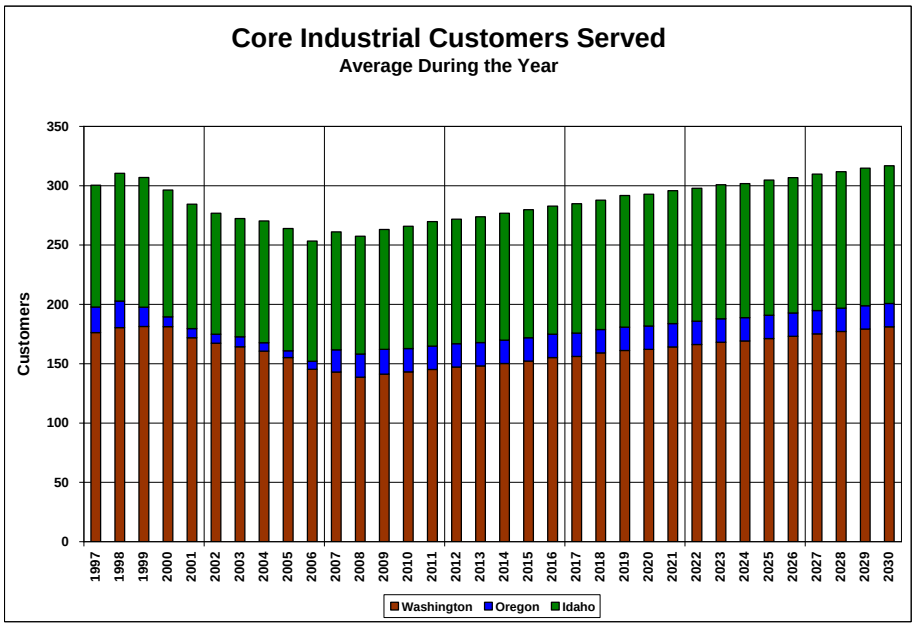
near term forecast. As shown in the chart, although declines are forecast, they are very modest levels and reflect the particular characteristics of the existing mix of commercial developments in each state.



The commercial customer forecast is based on job forecasts multiplied times the forecasted ratio of workers per customer as described above.



Core industrial customers served are based on manufacturing job forecasts for each county. The number of manufacturing workers is expected to be growing slowly over the forecast period, leading to little change in the number of core firm industrial customers.


Core Industrial Customers Served
Average During the Year
Customers
350
300
250
200
150
100
50
0
1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030
Washington
Oregon
Idaho

APPENDIX 3.2

CUSTOMER FORECASTS DATA

Appendix 3.2 - Customer Forecast - Number by Region
Expected Case

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-09	198,391	22,419	244	221,054	50,414	6,436	10	56,860	13,075	2,140	2	15,217	13,863	1,623	5	15,491	6,465	885	5	7,355
Dec-09	199,080	22,487	245	221,812	50,685	6,469	10	57,164	13,139	2,145	2	15,286	14,007	1,639	5	15,651	6,508	914	1	7,423
Jan-10	199,523	22,676	242	222,441	50,982	6,497	10	57,489	13,190	2,153	2	15,345	14,092	1,658	5	15,755	6,575	903	1	7,479
Feb-10	199,531	22,685	244	222,460	50,882	6,518	11	57,411	13,209	2,152	2	15,363	14,120	1,686	5	15,811	6,559	902	1	7,462
Mar-10	199,433	22,687	242	222,362	50,788	6,482	10	57,280	13,191	2,198	2	15,391	14,067	1,686	5	15,758	6,518	903	1	7,422
Apr-10	198,981	22,859	248	222,088	51,015	6,529	10	57,554	13,198	2,168	2	15,368	14,048	1,661	5	15,714	6,493	892	1	7,386
May-10	198,853	22,862	248	221,963	50,853	6,520	10	57,383	13,163	2,169	2	15,334	13,983	1,644	5	15,632	6,461	892	1	7,354
Jun-10	198,659	22,926	244	221,829	50,690	6,526	10	57,226	13,059	2,164	2	15,225	13,863	1,638	5	15,506	6,450	884	1	7,335
Jul-10	199,204	22,948	247	222,399	50,630	6,480	10	57,120	13,042	2,176	2	15,220	13,803	1,638	5	15,446	6,376	890	1	7,267
Aug-10	199,177	22,932	248	222,357	50,434	6,476	10	56,920	13,035	2,166	2	15,203	13,726	1,635	5	15,366	6,350	892	1	7,243
Sep-10	199,855	22,935	245	223,035	50,353	6,474	10	56,837	12,955	2,167	2	15,124	13,748	1,640	5	15,393	6,348	889	10	7,247
Oct-10	200,460	23,000	248	223,708	50,542	6,480	10	57,032	13,094	2,173	2	15,269	13,883	1,651	5	15,539	6,439	894	7	7,340
Nov-10	201,401	22,955	248	224,604	51,014	6,536	10	57,560	13,225	2,200	2	15,427	14,013	1,673	5	15,691	6,490	890	5	7,385
Dec-10	202,090	23,023	249	225,362	51,285	6,569	10	57,864	13,289	2,205	2	15,496	14,157	1,689	5	15,851	6,533	919	1	7,453
Jan-11	202,744	23,237	244	226,225	51,682	6,602	10	58,294	13,340	2,225	2	15,567	14,242	1,725	5	15,972	6,625	913	1	7,539
Feb-11	202,752	23,246	248	226,246	51,582	6,623	11	58,216	13,359	2,224	2	15,585	14,270	1,753	5	16,028	6,609	912	1	7,522
Mar-11	202,654	23,248	246	226,148	51,488	6,587	10	58,085	13,341	2,270	2	15,613	14,217	1,753	5	15,975	6,568	913	1	7,482
Apr-11	202,202	23,420	252	225,874	51,815	6,634	10	58,459	13,398	2,240	2	15,640	14,248	1,728	5	15,981	6,543	902	1	7,446
May-11	202,074	23,423	252	225,749	51,653	6,625	10	58,288	13,363	2,241	2	15,606	14,183	1,711	5	15,899	6,511	902	1	7,414
Jun-11	201,880	23,487	248	225,615	51,490	6,631	10	58,131	13,259	2,236	2	15,497	14,063	1,705	5	15,773	6,500	894	1	7,395
Jul-11	202,925	23,509	251	226,685	51,530	6,585	10	58,125	13,242	2,248	2	15,492	14,003	1,705	5	15,713	6,426	900	1	7,327
Aug-11	202,898	23,493	252	226,643	51,334	6,581	10	57,925	13,235	2,238	2	15,475	13,926	1,702	5	15,633	6,400	902	1	7,303
Sep-11	203,576	23,496	249	227,321	51,253	6,579	10	57,842	13,155	2,239	2	15,396	13,948	1,707	5	15,660	6,398	899	10	7,307
Oct-11	204,181	23,561	252	227,994	51,542	6,585	10	58,137	13,344	2,245	2	15,591	14,133	1,718	5	15,856	6,489	904	7	7,400
Nov-11	205,122	23,516	252	228,890	52,014	6,641	10	58,665	13,475	2,272	2	15,749	14,263	1,740	5	16,008	6,540	900	5	7,445
Dec-11	205,811	23,584	253	229,648	52,285	6,674	10	58,969	13,539	2,277	2	15,818	14,407	1,756	5	16,168	6,583	929	1	7,513
Jan-12	207,852	23,843	246	231,940	53,554	6,713	10	60,276	14,110	2,296	2	16,408	14,574	1,791	5	16,370	6,737	923	1	7,661
Feb-12	207,860	23,852	250	231,962	53,450	6,734	11	60,195	14,130	2,295	2	16,428	14,603	1,820	5	16,428	6,721	922	1	7,644
Mar-12	207,759	23,854	248	231,861	53,353	6,697	10	60,060	14,111	2,343	2	16,456	14,548	1,820	5	16,374	6,679	923	1	7,603
Apr-12	207,296	24,031	254	231,581	53,691	6,745	10	60,447	14,171	2,312	2	16,485	14,580	1,794	5	16,380	6,653	912	1	7,566
May-12	207,165	24,034	254	231,452	53,524	6,736	10	60,270	14,134	2,313	2	16,449	14,514	1,777	5	16,295	6,621	912	1	7,534
Jun-12	206,966	24,099	250	231,315	53,355	6,742	10	60,107	14,024	2,308	2	16,334	14,391	1,771	5	16,166	6,610	904	1	7,515
Jul-12	208,037	24,122	253	232,412	53,396	6,695	10	60,101	14,006	2,320	2	16,329	14,329	1,771	5	16,105	6,534	910	1	7,445
Aug-12	208,010	24,106	254	232,369	53,193	6,691	10	59,894	13,999	2,310	2	16,311	14,251	1,767	5	16,023	6,508	912	1	7,421
Sep-12	208,705	24,109	251	233,064	53,109	6,689	10	59,808	13,914	2,311	2	16,227	14,273	1,773	5	16,051	6,506	909	10	7,425
Oct-12	209,325	24,175	254	233,754	53,408	6,695	10	60,114	14,114	2,317	2	16,433	14,462	1,784	5	16,251	6,599	914	7	7,520
Nov-12	210,290	24,129	254	234,673	53,898	6,752	10	60,660	14,253	2,345	2	16,600	14,595	1,807	5	16,407	6,650	910	5	7,565
Dec-12	210,996	24,199	255	235,450	54,178	6,786	10	60,974	14,321	2,350	2	16,673	14,743	1,824	5	16,571	6,694	939	1	7,634
Jan-13	213,150	24,449	248	237,846	55,425	6,807	10	62,242	14,880	2,356	2	17,238	15,017	1,841	5	16,863	6,849	933	1	7,783
Feb-13	213,158	24,458	252	237,868	55,318	6,829	11	62,158	14,901	2,355	2	17,258	15,046	1,871	5	16,922	6,832	932	1	7,765
Mar-13	213,055	24,460	250	237,765	55,217	6,792	10	62,019	14,881	2,403	2	17,287	14,990	1,871	5	16,866	6,790	933	1	7,724
Apr-13	212,580	24,641	256	237,477	55,568	6,840	10	62,418	14,945	2,372	2	17,319	15,023	1,845	5	16,872	6,764	922	1	7,687
May-13	212,445	24,644	256	237,346	55,394	6,831	10	62,235	14,906	2,373	2	17,281	14,954	1,826	5	16,786	6,731	922	1	7,654
Jun-13	212,241	24,712	252	237,205	55,219	6,837	10	62,066	14,790	2,367	2	17,159	14,828	1,820	5	16,653	6,719	914	1	7,634
Jul-13	213,340	24,735	255	238,330	55,262	6,790	10	62,062	14,771	2,380	2	17,153	14,765	1,820	5	16,590	6,643	920	1	7,564
Aug-13	213,312	24,718	256	238,286	55,052	6,786	10	61,847	14,763	2,370	2	17,135	14,683	1,817	5	16,505	6,616	922	1	7,539
Sep-13	214,025	24,721	253	238,999	54,965	6,783	10	61,759	14,674	2,371	2	17,047	14,707	1,822	5	16,534	6,614	919	10	7,543
Oct-13	214,661	24,790	256	239,706	55,275	6,790	10	62,075	14,885	2,377	2	17,264	14,902	1,834	5	16,740	6,708	924	7	7,639
Nov-13	215,650	24,742	256	240,648	55,781	6,847	10	62,639	15,031	2,406	2	17,438	15,039	1,857	5	16,901	6,761	920	5	7,686
Dec-13	216,374	24,814	257	241,445	56,072	6,881	10	62,963	15,102	2,411	2	17,515	15,191	1,874	5	17,070	6,805	950	1	7,756
Jan-14	218,547	25,055	251	243,852	57,407	6,902	10	64,319	15,650	2,415	2	18,068	15,348	1,875	5	17,228	6,961	938	1	7,900
Feb-14	218,555	25,064	255	243,875	57,296	6,924	11	64,230	15,673	2,414	2	18,089	15,379	1,905	5	17,289	6,944	937	1	7,882
Mar-14	218,450	25,066	253	243,769	57,191	6,886	10	64,087	15,652	2,464	2	18,118	15,322	1,905	5	17,232	6,901	938	1	7,840
Apr-14	217,962	25,252	259	243,473	57,554	6,935	10	64,500	15,718	2,431	2	18,152	15,355	1,878	5	17,238	6,874	927	1	7,802
May-14	217,825	25,255	259	243,339	57,375	6,926	10	64,310	15,677	2,433	2	18,112	15,285	1,859	5	17,149	6,841	927	1	7,769
Jun-14	217,615	25,324	255	243,194	57,193	6,932	10	64,136	15,555	2,427	2	17,985	15,156	1,853	5	17,013	6,829	919	1	7,749
Jul-14	218,742	25,348	258	244,348	57,238	6,884	10	64,132	15,535	2,440	2	17,978	15,091	1,853	5	16,949	6,751	925	1	7,677
Aug-14	218,713	25,331	259	244,302	57,020	6,880	10	63,910	15,527	2,429	2	17,959	15,008	1,850	5	16,863	6,724	927	1	7,652
Sep-14	219,444	25,334	256	245,033	56,930	6,878	10	63,818	15,433	2,430	2	17,866	15,032	1,855	5	16,892	6,722	924	10	7,656
Oct-14	220,096	25,404	259	245,759	57,251	6,884	10	64,145	15,655	2,437	2	18,094	15,231	1,867	5	17,103	6,818	929	7	7,754
Nov-14	221,110	25,355	259	246,724	57,776	6,943	10	64,728	15,809	2,466	2	18,277	15,371	1,891	5	17,267	6,871	925	5	7,801
Dec-14	221,853	25,429	260	247,542	58,077	6,977	10	65,064	15,884	2,472	2	18,358	15,526	1,908	5	17,440	6,916	955	1	7,872
Jan-15	223,945	25,660	254	249,859	59,499	6,996	10	66,505	16,421	2,487	2	18,909	15,680	1,908	5	17,593	7,072	943	1	8,017
Feb-15	223,954	25,670	258	249,882	59,383	7,019	11	66,413	16,444	2,485	2	18,931	15,711	1,939	5	17,655	7,055	942	1	7,998
Mar-15	223,845	25,672	256	249,774	59,275	6,980	10	66,266	16,422	2,537	2	18,961	15,653	1,939	5	17,597	7,012	943	1	7,956
Apr-15	223,346	25,862	262	249,471	59,652	7,030	10	66,692	16,492	2,503	2	18,997	15,687	1,911	5	17,603	6,985	932	1	7,918
May-15	223,205	25,866	262	249,332	59,465	7,021	10	66,496	16,449	2,504	2	18,955	15,615	1,892	5	17,513	6,951	932	1	7,884
Jun-15	222,990	25,936	258	249,185	59,277	7,027	10	66,315	16,321	2,499	2	18,822	15,483	1,886	5	17,374	6,939	924	1	7,864
Jul-15	224,145	25,961	261	250,366	59,324	6,978	10	66,312	16,300	2,512	2	18,814	15,417	1,886	5	17,308	6,860	930	1	7,791
Aug-15	224,115	25,943	262	250,320	59,098	6,974	10	66,082	16,291	2,501	2	18,794	15,333	1,883	5	17,220	6,832	932	1	7,765
Sep-15	224,864	25,946	259	251,069	59,005	6,972	10	65,987	16,193	2,502	2	18,697	15,357	1,888	5	17,250	6,830	929	10	7,769
Oct-15	225,532	26,018	262	251,812	59,337	6,978	10	66,326	16,426	2,509	2	18,936	15,560	1,900	5	17,466	6,927	934	7	7,868

Appendix 3.2 - Customer Forecast - Number by Region
Expected Case

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-15	226,571	25,968	262	252,802	59,881	7,038	10	66,928	16,587	2,539	2	19,128	15,704	1,925	5	17,633	6,982	930	5	7,916
Dec-15	227,332	26,044	263	253,639	60,193	7,073	10	67,275	16,666	2,545	2	19,212	15,862	1,942	5	17,809	7,028	960	1	7,988
Jan-16	229,342	26,266	257	255,864	61,590	7,086	10	68,686	17,191	2,546	2	19,739	16,012	1,941	5	17,959	7,184	948	1	8,133
Feb-16	229,351	26,276	261	255,888	61,471	7,108	11	68,590	17,215	2,545	2	19,762	16,044	1,973	5	18,022	7,167	947	1	8,115
Mar-16	229,240	26,279	259	255,777	61,359	7,070	10	68,439	17,192	2,597	2	19,791	15,984	1,973	5	17,962	7,122	948	1	8,072
Apr-16	228,728	26,473	265	255,467	61,749	7,120	10	68,879	17,265	2,563	2	19,831	16,019	1,945	5	17,969	7,095	937	1	8,033
May-16	228,584	26,476	265	255,325	61,556	7,110	10	68,676	17,220	2,564	2	19,787	15,946	1,926	5	17,877	7,061	937	1	7,998
Jun-16	228,364	26,549	261	255,174	61,361	7,117	10	68,488	17,086	2,559	2	19,647	15,811	1,919	5	17,735	7,049	929	1	7,978
Jul-16	229,546	26,574	264	256,384	61,409	7,067	10	68,487	17,064	2,572	2	19,639	15,744	1,919	5	17,667	6,968	935	1	7,904
Aug-16	229,516	26,556	265	256,336	61,176	7,063	10	68,249	17,055	2,561	2	19,618	15,657	1,915	5	17,578	6,940	937	1	7,878
Sep-16	230,283	26,559	262	257,104	61,079	7,061	10	68,150	16,952	2,562	2	19,516	15,682	1,921	5	17,608	6,938	934	10	7,882
Oct-16	230,967	26,632	265	257,865	61,423	7,067	10	68,501	17,196	2,569	2	19,767	15,890	1,933	5	17,828	7,037	939	7	7,983
Nov-16	232,032	26,582	265	258,878	61,986	7,128	10	69,123	17,365	2,600	2	19,966	16,036	1,958	5	17,999	7,092	935	5	8,032
Dec-16	232,811	26,658	266	259,736	62,309	7,163	10	69,482	17,447	2,605	2	20,055	16,198	1,976	5	18,179	7,139	965	1	8,105
Jan-17	234,735	26,871	259	261,864	63,572	7,170	10	70,752	17,961	2,605	2	20,568	16,344	1,975	5	18,324	7,296	953	1	8,250
Feb-17	234,744	26,881	263	261,888	63,449	7,193	11	70,652	17,986	2,604	2	20,593	16,376	2,007	5	18,388	7,278	952	1	8,232
Mar-17	234,630	26,884	261	261,775	63,333	7,154	10	70,497	17,962	2,658	2	20,622	16,316	2,007	5	18,327	7,233	953	1	8,188
Apr-17	234,107	27,083	267	261,457	63,735	7,205	10	70,950	18,039	2,623	2	20,664	16,351	1,978	5	18,334	7,206	942	1	8,149
May-17	233,959	27,086	267	261,312	63,536	7,195	10	70,741	17,992	2,624	2	20,618	16,277	1,959	5	18,240	7,170	942	1	8,113
Jun-17	233,734	27,160	263	261,157	63,336	7,201	10	70,547	17,852	2,618	2	20,472	16,139	1,952	5	18,096	7,158	933	1	8,093
Jul-17	234,944	27,186	266	262,396	63,385	7,151	10	70,546	17,829	2,632	2	20,463	16,070	1,952	5	18,027	7,077	940	1	8,018
Aug-17	234,913	27,167	267	262,347	63,144	7,147	10	70,301	17,819	2,621	2	20,442	15,982	1,948	5	17,935	7,048	942	1	7,991
Sep-17	235,698	27,171	264	263,132	63,044	7,145	10	70,199	17,712	2,622	2	20,336	16,007	1,954	5	17,966	7,046	939	10	7,995
Oct-17	236,398	27,246	267	263,911	63,400	7,151	10	70,561	17,966	2,629	2	20,597	16,219	1,967	5	18,191	7,146	944	7	8,097
Nov-17	237,488	27,194	267	264,949	63,980	7,212	10	71,202	18,143	2,660	2	20,805	16,368	1,992	5	18,365	7,202	940	5	8,147
Dec-17	238,285	27,272	268	265,826	64,314	7,248	10	71,572	18,229	2,666	2	20,897	16,534	2,010	5	18,549	7,250	970	1	8,221
Jan-18	240,226	27,497	262	267,985	65,443	7,254	10	72,707	18,731	2,653	2	21,386	16,676	2,008	5	18,689	7,408	958	1	8,367
Feb-18	240,236	27,507	266	268,009	65,317	7,277	11	72,605	18,758	2,652	2	21,411	16,709	2,041	5	18,755	7,390	957	1	8,348
Mar-18	240,120	27,510	264	267,893	65,198	7,237	10	72,445	18,732	2,707	2	21,441	16,647	2,041	5	18,693	7,344	958	1	8,304
Apr-18	239,584	27,713	270	267,567	65,612	7,289	10	72,911	18,812	2,671	2	21,485	16,683	2,011	5	18,700	7,316	947	1	8,264
May-18	239,432	27,717	270	267,419	65,407	7,279	10	72,696	18,763	2,672	2	21,437	16,607	1,992	5	18,604	7,280	947	1	8,228
Jun-18	239,203	27,793	266	267,261	65,200	7,286	10	72,496	18,617	2,666	2	21,285	16,467	1,985	5	18,456	7,268	938	1	8,208
Jul-18	240,441	27,819	269	268,528	65,251	7,235	10	72,496	18,593	2,680	2	21,276	16,396	1,985	5	18,386	7,185	945	1	8,131
Aug-18	240,409	27,800	270	268,478	65,003	7,231	10	72,244	18,584	2,668	2	21,254	16,306	1,981	5	18,292	7,156	947	1	8,104
Sep-18	241,212	27,803	267	269,282	64,900	7,229	10	72,139	18,471	2,670	2	21,143	16,332	1,987	5	18,324	7,154	944	10	8,108
Oct-18	241,929	27,880	270	270,079	65,266	7,235	10	72,511	18,737	2,677	2	21,415	16,549	2,000	5	18,553	7,256	949	7	8,212
Nov-18	243,044	27,827	270	271,141	65,864	7,297	10	73,171	18,921	2,709	2	21,632	16,701	2,025	5	18,731	7,313	945	5	8,263
Dec-18	243,860	27,907	271	272,039	66,207	7,333	10	73,550	19,010	2,715	2	21,727	16,869	2,044	5	18,919	7,361	975	1	8,337
Jan-19	245,719	28,122	265	274,107	67,205	7,333	10	74,548	19,501	2,700	2	22,204	17,008	2,041	5	19,054	7,520	963	1	8,484
Feb-19	245,729	28,133	270	274,132	67,075	7,356	11	74,442	19,529	2,699	2	22,230	17,042	2,074	5	19,121	7,502	962	1	8,465
Mar-19	245,610	28,136	268	274,013	66,953	7,316	10	74,279	19,503	2,755	2	22,260	16,978	2,074	5	19,058	7,455	963	1	8,419
Apr-19	245,062	28,344	274	273,680	67,378	7,368	10	74,756	19,586	2,719	2	22,307	17,015	2,045	5	19,065	7,427	952	1	8,379
May-19	244,907	28,347	274	273,529	67,167	7,358	10	74,535	19,535	2,720	2	22,257	16,938	2,025	5	18,967	7,390	952	1	8,343
Jun-19	244,672	28,425	270	273,367	66,955	7,365	10	74,330	19,383	2,714	2	22,099	16,794	2,018	5	18,817	7,378	943	1	8,322
Jul-19	245,938	28,452	273	274,663	67,007	7,314	10	74,331	19,358	2,728	2	22,088	16,723	2,018	5	18,745	7,294	950	1	8,245
Aug-19	245,906	28,432	274	274,612	66,752	7,309	10	74,072	19,348	2,716	2	22,066	16,631	2,014	5	18,650	7,264	952	1	8,217
Sep-19	246,727	28,436	271	275,434	66,647	7,307	10	73,964	19,231	2,717	2	21,950	16,657	2,020	5	18,682	7,262	949	10	8,221
Oct-19	247,461	28,514	274	276,249	67,023	7,314	10	74,347	19,507	2,725	2	22,234	16,878	2,033	5	18,916	7,365	954	7	8,326
Nov-19	248,601	28,460	274	277,335	67,637	7,376	10	75,023	19,699	2,758	2	22,458	17,033	2,059	5	19,097	7,423	950	5	8,378
Dec-19	249,436	28,542	275	278,254	67,989	7,413	10	75,412	19,792	2,764	2	22,558	17,205	2,078	5	19,288	7,472	980	1	8,453
Jan-20	251,410	28,772	266	280,448	68,966	7,422	10	76,398	20,271	2,748	2	23,021	17,340	2,075	5	19,420	7,632	968	1	8,601
Feb-20	251,420	28,783	271	280,474	68,833	7,446	11	76,290	20,300	2,747	2	23,049	17,374	2,108	5	19,488	7,613	967	1	8,582
Mar-20	251,299	28,785	269	280,353	68,707	7,405	10	76,123	20,273	2,804	2	23,078	17,310	2,108	5	19,423	7,566	968	1	8,535
Apr-20	250,738	28,998	275	280,012	69,144	7,458	10	76,612	20,359	2,767	2	23,128	17,347	2,078	5	19,431	7,537	957	1	8,495
May-20	250,579	29,002	275	279,857	68,928	7,448	10	76,386	20,306	2,768	2	23,076	17,268	2,058	5	19,331	7,500	957	1	8,458
Jun-20	250,339	29,081	271	279,691	68,710	7,455	10	76,175	20,148	2,762	2	22,912	17,122	2,051	5	19,178	7,488	948	1	8,437
Jul-20	251,635	29,109	274	281,017	68,764	7,403	10	76,176	20,122	2,776	2	22,901	17,049	2,051	5	19,105	7,402	955	1	8,358
Aug-20	251,601	29,089	275	280,965	68,502	7,398	10	75,910	20,112	2,764	2	22,878	16,955	2,047	5	19,007	7,372	957	1	8,330
Sep-20	252,442	29,093	272	281,806	68,394	7,396	10	75,800	19,990	2,765	2	22,757	16,982	2,053	5	19,040	7,370	954	10	8,334
Oct-20	253,192	29,173	275	282,640	68,780	7,403	10	76,192	20,277	2,773	2	23,052	17,207	2,066	5	19,279	7,475	959	7	8,441
Nov-20	254,359	29,117	275	283,751	69,409	7,466	10	76,885	20,476	2,806	2	23,284	17,366	2,093	5	19,463	7,534	955	5	8,493
Dec-20	255,213	29,201	276	284,691	69,771	7,503	10	77,284	20,574	2,812	2	23,388	17,541	2,112	5	19,658	7,583	985	1	8,570
Jan-21	257,202	29,423	269	286,895	70,728	7,506	10	78,244	21,041	2,796	2	23,839	17,672	2,108	5	19,785	7,743	973	1	8,718
Feb-21	257,212	29,435	274	286,921	70,591	7,530	11	78,132	21,071	2,794	2	23,868	17,707	2,142	5	19,854	7,725	972	1	8,698
Mar-21	257,088	29,437	272	286,797	70,462	7,489	10	77,961	21,043	2,852	2	23,897	17,641	2,142	5	19,788	7,677	973	1	8,651
Apr-21	256,515	29,655	278	286,448	70,910	7,543	10	78,462	21,133	2,814	2	23,949	17,680	2,112	5	19,796	7,648	962	1	8,610
May-21	256,352	29,659	278	286,289	70,688	7,532	10	78,230	21,078	2,816	2	23,895	17,599	2,091	5	19,695	7,610	962	1	8,573
Jun-21	256,106	29,740	274	286,120	70,465	7,539	10	78,014	20,914	2,809	2	23,725	17,450	2,083	5	19,538	7,597	953	1	8,552
Jul-21	257,432	29,768	277	287,477	70,520	7,487	10	78,017	20,887	2,824	2	23,713	17,376	2,083	5	19,464	7,511	960	1	8,471
Aug-21	257,398	29,747	278	287,423	70,252	7,482	10	77,744	20,876	2,812	2	23,690	17,280	2,080	5	19,365	7,480	962	1	8,443
Sep-21	258,258	29,751	275	288,284	70,141	7,480	10	77,631	20,750	2,813	2	23,565	17,307	2,086	5	19,398	7,478	959	10	8,447
Oct-21	259,025	29,834	278	289,137	70,536	7,487	10	78,033	21,048	2,821	2	23,870	17,537	2,099	5	19,641	7,584	964	7	8,555

Appendix 3.2 - Customer Forecast - Number by Region
Expected Case

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-21	260,219	29,777	278	290,274	71,182	7,550	10	78,743	21,254	2,855	2	24,111	17,698	2,126	5	19,829	7,644	960	5	8,609
Dec-21	261,093	29,863	279	291,235	71,553	7,588	10	79,151	21,355	2,861	2	24,218	17,877	2,146	5	20,028	7,694	991	1	8,686
Jan-22	263,093	30,074	271	293,438	72,489	7,590	10	80,090	21,812	2,843	2	24,657	18,004	2,141	5	20,150	7,855	979	1	8,835
Feb-22	263,103	30,085	276	293,464	72,349	7,614	11	79,974	21,843	2,842	2	24,686	18,039	2,176	5	20,220	7,836	977	1	8,815
Mar-22	262,976	30,088	274	293,338	72,217	7,573	10	79,800	21,813	2,901	2	24,716	17,972	2,176	5	20,153	7,788	979	1	8,767
Apr-22	262,390	30,311	280	292,980	72,676	7,627	10	80,313	21,906	2,862	2	24,771	18,012	2,145	5	20,162	7,758	967	1	8,726
May-22	262,223	30,314	280	292,818	72,449	7,617	10	80,075	21,849	2,864	2	24,715	17,929	2,124	5	20,058	7,720	967	1	8,688
Jun-22	261,972	30,397	276	292,645	72,220	7,624	10	79,854	21,679	2,857	2	24,538	17,778	2,116	5	19,899	7,707	958	1	8,666
Jul-22	263,328	30,426	279	294,033	72,276	7,571	10	79,857	21,651	2,872	2	24,526	17,702	2,116	5	19,823	7,619	965	1	8,585
Aug-22	263,293	30,405	280	293,978	72,001	7,566	10	79,577	21,640	2,860	2	24,502	17,605	2,113	5	19,722	7,588	967	1	8,556
Sep-22	264,173	30,409	277	294,858	71,888	7,564	10	79,461	21,509	2,861	2	24,372	17,632	2,119	5	19,756	7,586	964	10	8,560
Oct-22	264,958	30,493	280	295,731	72,293	7,571	10	79,874	21,818	2,869	2	24,689	17,866	2,133	5	20,004	7,694	969	7	8,670
Nov-22	266,179	30,435	280	296,894	72,955	7,635	10	80,600	22,032	2,903	2	24,937	18,031	2,160	5	20,195	7,754	965	5	8,724
Dec-22	267,073	30,523	281	297,877	73,335	7,673	10	81,018	22,137	2,910	2	25,049	18,213	2,180	5	20,397	7,805	996	1	8,802
Jan-23	269,084	30,723	274	300,082	74,251	7,674	10	81,935	22,582	2,891	2	25,474	18,336	2,175	5	20,516	7,967	984	1	8,952
Feb-23	269,095	30,735	279	300,109	74,107	7,699	11	81,817	22,614	2,889	2	25,505	18,372	2,210	5	20,587	7,948	982	1	8,931
Mar-23	268,965	30,738	276	299,979	73,972	7,657	10	81,639	22,583	2,949	2	25,535	18,304	2,210	5	20,519	7,899	984	1	8,883
Apr-23	268,365	30,965	283	299,613	74,442	7,711	10	82,163	22,680	2,910	2	25,592	18,344	2,178	5	20,527	7,868	972	1	8,841
May-23	268,195	30,969	283	299,448	74,209	7,701	10	81,920	22,621	2,911	2	25,534	18,260	2,157	5	20,422	7,830	972	1	8,803
Jun-23	267,938	31,054	279	299,270	73,975	7,708	10	81,693	22,445	2,905	2	25,352	18,106	2,149	5	20,260	7,817	963	1	8,781
Jul-23	269,325	31,083	282	300,690	74,032	7,655	10	81,697	22,416	2,921	2	25,338	18,028	2,149	5	20,183	7,728	970	1	8,698
Aug-23	269,289	31,062	283	300,634	73,751	7,650	10	81,411	22,404	2,908	2	25,314	17,929	2,146	5	20,080	7,697	972	1	8,669
Sep-23	270,189	31,066	280	301,534	73,634	7,648	10	81,292	22,269	2,909	2	25,179	17,957	2,152	5	20,114	7,694	968	10	8,673
Oct-23	270,992	31,152	283	302,426	74,050	7,655	10	81,714	22,589	2,917	2	25,507	18,196	2,166	5	20,366	7,804	974	7	8,784
Nov-23	272,240	31,092	283	303,616	74,728	7,720	10	82,457	22,810	2,952	2	25,764	18,363	2,194	5	20,562	7,865	970	5	8,839
Dec-23	273,155	31,182	284	304,621	75,117	7,758	10	82,885	22,919	2,958	2	25,879	18,548	2,214	5	20,767	7,917	1,001	1	8,918
Jan-24	275,076	31,374	275	306,725	76,012	7,753	10	83,775	23,352	2,950	2	26,304	18,668	2,208	5	20,881	8,079	989	1	9,069
Feb-24	275,087	31,386	280	306,752	75,865	7,778	11	83,654	23,385	2,949	2	26,336	18,705	2,244	5	20,953	8,059	988	1	9,048
Mar-24	274,954	31,389	277	306,620	75,727	7,735	10	83,472	23,354	3,010	2	26,365	18,635	2,244	5	20,884	8,009	989	1	8,999
Apr-24	274,340	31,621	284	306,245	76,208	7,791	10	84,009	23,453	2,970	2	26,425	18,676	2,212	5	20,893	7,979	977	1	8,957
May-24	274,167	31,625	284	306,076	75,970	7,780	10	83,760	23,392	2,971	2	26,365	18,591	2,190	5	20,786	7,940	977	1	8,918
Jun-24	273,904	31,711	280	305,895	75,730	7,787	10	83,527	23,210	2,965	2	26,177	18,433	2,182	5	20,621	7,926	968	1	8,896
Jul-24	275,321	31,741	283	307,345	75,789	7,733	10	83,532	23,180	2,981	2	26,163	18,355	2,182	5	20,542	7,836	975	1	8,812
Aug-24	275,285	31,719	284	307,288	75,500	7,728	10	83,239	23,168	2,967	2	26,137	18,254	2,178	5	20,437	7,805	977	1	8,782
Sep-24	276,205	31,723	281	308,209	75,381	7,726	10	83,117	23,028	2,969	2	25,999	18,283	2,185	5	20,472	7,802	973	10	8,786
Oct-24	277,026	31,811	284	309,121	75,806	7,733	10	83,549	23,359	2,977	2	26,337	18,525	2,199	5	20,729	7,913	979	7	8,899
Nov-24	278,302	31,750	284	310,337	76,501	7,799	10	84,309	23,588	3,012	2	26,603	18,695	2,227	5	20,928	7,975	975	5	8,955
Dec-24	279,237	31,842	285	311,365	76,899	7,838	10	84,747	23,700	3,019	2	26,721	18,884	2,248	5	21,137	8,028	1,006	1	9,035
Jan-25	281,067	32,049	278	313,394	77,774	7,832	10	85,616	24,012	2,998	2	27,012	19,000	2,241	5	21,246	8,191	994	1	9,185
Feb-25	281,078	32,061	283	313,422	77,623	7,857	11	85,491	24,046	2,996	2	27,044	19,037	2,278	5	21,320	8,171	993	1	9,165
Mar-25	280,943	32,064	280	313,287	77,482	7,814	10	85,306	24,014	3,058	2	27,074	18,967	2,278	5	21,249	8,120	994	1	9,115
Apr-25	280,316	32,301	287	312,905	77,974	7,870	10	85,854	24,116	3,018	2	27,136	19,008	2,245	5	21,258	8,089	982	1	9,072
May-25	280,139	32,305	287	312,731	77,730	7,859	10	85,599	24,053	3,019	2	27,075	18,921	2,223	5	21,149	8,050	982	1	9,032
Jun-25	279,870	32,394	283	312,546	77,485	7,866	10	85,361	23,866	3,012	2	26,881	18,761	2,215	5	20,981	8,036	973	1	9,010
Jul-25	281,318	32,424	286	314,028	77,545	7,812	10	85,367	23,836	3,029	2	26,866	18,681	2,215	5	20,901	7,945	979	1	8,925
Aug-25	281,281	32,402	287	313,970	77,250	7,807	10	85,067	23,823	3,015	2	26,840	18,578	2,211	5	20,795	7,913	982	1	8,895
Sep-25	282,221	32,406	284	314,911	77,128	7,805	10	84,943	23,679	3,016	2	26,697	18,608	2,218	5	20,831	7,910	978	10	8,899
Oct-25	283,059	32,496	287	315,843	77,563	7,812	10	85,385	24,019	3,025	2	27,046	18,854	2,232	5	21,092	8,023	984	7	9,013
Nov-25	284,364	32,434	287	317,085	78,273	7,878	10	86,162	24,255	3,061	2	27,318	19,028	2,261	5	21,294	8,086	979	5	9,070
Dec-25	285,319	32,528	288	318,135	78,681	7,917	10	86,608	24,370	3,068	2	27,440	19,220	2,282	5	21,507	8,139	1,011	1	9,151
Jan-26	287,059	32,724	280	320,063	79,425	7,911	10	87,346	24,672	3,045	2	27,719	19,332	2,275	5	21,611	8,303	999	1	9,302
Feb-26	287,070	32,737	285	320,092	79,271	7,936	11	87,218	24,707	3,044	2	27,753	19,370	2,312	5	21,686	8,283	998	1	9,281
Mar-26	286,931	32,740	282	319,953	79,127	7,893	10	87,030	24,674	3,107	2	27,783	19,298	2,312	5	21,614	8,231	999	1	9,231
Apr-26	286,291	32,982	289	319,563	79,629	7,949	10	87,589	24,779	3,066	2	27,847	19,340	2,279	5	21,623	8,200	987	1	9,187
May-26	286,110	32,986	289	319,386	79,381	7,938	10	87,329	24,715	3,067	2	27,784	19,252	2,256	5	21,513	8,160	987	1	9,147
Jun-26	285,836	33,076	285	319,196	79,130	7,946	10	87,086	24,522	3,060	2	27,585	19,089	2,248	5	21,342	8,146	978	1	9,125
Jul-26	287,315	33,107	288	320,710	79,191	7,890	10	87,092	24,491	3,077	2	27,570	19,007	2,248	5	21,261	8,053	984	1	9,039
Aug-26	287,277	33,085	289	320,651	78,890	7,886	10	86,786	24,478	3,063	2	27,543	18,903	2,244	5	21,152	8,021	987	1	9,008
Sep-26	288,237	33,089	286	321,612	78,766	7,883	10	86,659	24,330	3,064	2	27,396	18,933	2,251	5	21,189	8,018	983	10	9,011
Oct-26	289,093	33,180	289	322,563	79,210	7,890	10	87,110	24,680	3,073	2	27,754	19,184	2,265	5	21,454	8,132	989	7	9,128
Nov-26	290,426	33,117	289	323,832	79,935	7,957	10	87,903	24,922	3,109	2	28,033	19,360	2,294	5	21,660	8,196	984	5	9,186
Dec-26	291,401	33,213	290	324,905	80,352	7,997	10	88,359	25,040	3,116	2	28,159	19,556	2,315	5	21,876	8,250	1,016	1	9,267
Jan-27	292,951	33,399	283	326,633	81,076	7,990	10	89,076	25,332	3,093	2	28,427	19,664	2,308	5	21,977	8,414	1,004	1	9,419
Feb-27	292,962	33,412	288	326,662	80,920	8,015	11	88,946	25,368	3,091	2	28,462	19,702	2,345	5	22,053	8,394	1,003	1	9,398
Mar-27	292,821	33,415	285	326,521	80,772	7,971	10	88,754	25,334	3,155	2	28,491	19,629	2,345	5	21,980	8,342	1,004	1	9,347
Apr-27	292,167	33,662	292	326,122	81,285	8,028	10	89,323	25,442	3,114	2	28,558	19,672	2,312	5	21,989	8,310	992	1	9,303
May-27	291,982	33,667	292	325,942	81,031	8,017	10	89,058	25,376	3,115	2	28,493	19,582	2,289	5	21,876	8,270	992	1	9,262
Jun-27	291,702	33,759	288	325,749	80,775	8,025	10	88,810	25,178	3,108	2	28,288	19,417	2,281	5	21,703	8,256	983	1	9,240
Jul-27	293,212	33,790	291	327,294	80,838	7,969	10	88,817	25,146	3,125	2	28,273	19,334	2,281	5	21,620	8,162	989	1	9,152
Aug-27	293,173	33,767	292	327,233	80,531	7,964	10	88,505	25,133	3,111	2	28,246	19,227	2,277	5	21,510	8,129	992	1	9,121
Sep-27	294,153	33,772	289	328,213	80,403	7,962	10	88,375	24,981	3,112	2	28,095	19,258	2,284	5	21,547	8,126	988	10	9,124
Oct-27	295,027	33,865	292	329,184	80,857	7,969	10	88,836	25,340	3,121	2	28,462	19,513	2,299	5	21,817	8,242	994	7	9,243

Appendix 3.2 - Customer Forecast - Number by Region
Expected Case

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-27	296,387	33,800	292	330,479	81,597	8,037	10	89,644	25,589	3,158	2	28,749	19,693	2,328	5	22,026	8,306	989	5	9,301
Dec-27	297,382	33,898	293	331,574	82,022	8,077	10	90,109	25,710	3,165	2	28,877	19,892	2,349	5	22,246	8,361	1,021	1	9,383
Jan-28	298,842	34,075	285	333,202	82,728	8,068	10	90,806	25,992	3,140	2	29,135	19,996	2,341	5	22,342	8,526	1,009	1	9,536
Feb-28	298,854	34,088	290	333,232	82,568	8,094	11	90,673	26,029	3,139	2	29,170	20,035	2,379	5	22,419	8,506	1,008	1	9,514
Mar-28	298,710	34,091	287	333,088	82,417	8,050	10	90,477	25,994	3,204	2	29,200	19,961	2,379	5	22,345	8,453	1,009	1	9,463
Apr-28	298,043	34,343	294	332,681	82,941	8,108	10	91,058	26,105	3,161	2	29,269	20,004	2,345	5	22,354	8,421	997	1	9,418
May-28	297,855	34,347	294	332,496	82,681	8,097	10	90,788	26,037	3,163	2	29,202	19,913	2,322	5	22,240	8,380	997	1	9,377
Jun-28	297,569	34,441	290	332,300	82,420	8,104	10	90,534	25,835	3,156	2	28,992	19,744	2,314	5	22,063	8,365	988	1	9,354
Jul-28	299,109	34,474	293	333,876	82,485	8,048	10	90,542	25,801	3,173	2	28,976	19,660	2,314	5	21,979	8,270	994	1	9,266
Aug-28	299,069	34,450	294	333,814	82,171	8,043	10	90,224	25,788	3,159	2	28,948	19,552	2,310	5	21,867	8,237	997	1	9,234
Sep-28	300,069	34,454	291	334,814	82,041	8,040	10	90,091	25,632	3,160	2	28,794	19,583	2,317	5	21,905	8,234	993	10	9,237
Oct-28	300,960	34,550	294	335,805	82,504	8,048	10	90,561	26,000	3,168	2	29,171	19,843	2,332	5	22,179	8,351	999	7	9,357
Nov-28	302,347	34,484	294	337,126	83,259	8,116	10	91,385	26,255	3,207	2	29,464	20,025	2,362	5	22,392	8,417	994	5	9,416
Dec-28	303,363	34,583	295	338,242	83,693	8,156	10	91,859	26,380	3,214	2	29,596	20,227	2,383	5	22,616	8,472	1,026	1	9,500
Jan-29	304,634	34,725	288	339,647	84,379	8,147	10	92,536	26,652	3,200	2	29,854	20,328	2,375	5	22,707	8,638	1,014	1	9,653
Feb-29	304,646	34,739	293	339,677	84,216	8,173	11	92,400	26,690	3,198	2	29,891	20,368	2,413	5	22,786	8,617	1,013	1	9,631
Mar-29	304,499	34,742	290	339,531	84,062	8,129	10	92,201	26,654	3,264	2	29,921	20,292	2,413	5	22,710	8,564	1,014	1	9,579
Apr-29	303,820	34,999	297	339,116	84,596	8,187	10	92,793	26,768	3,221	2	29,992	20,336	2,379	5	22,720	8,531	1,002	1	9,534
May-29	303,628	35,003	297	338,928	84,332	8,176	10	92,517	26,698	3,223	2	29,923	20,243	2,355	5	22,604	8,489	1,002	1	9,492
Jun-29	303,336	35,099	293	338,727	84,066	8,183	10	92,259	26,491	3,216	2	29,708	20,072	2,347	5	22,424	8,475	993	1	9,469
Jul-29	304,906	35,132	296	340,334	84,131	8,126	10	92,267	26,457	3,233	2	29,691	19,987	2,347	5	22,339	8,379	999	1	9,379
Aug-29	304,866	35,108	297	340,271	83,811	8,121	10	91,942	26,443	3,218	2	29,663	19,877	2,343	5	22,225	8,345	1,002	1	9,347
Sep-29	305,884	35,112	294	341,290	83,679	8,119	10	91,808	26,283	3,220	2	29,505	19,908	2,350	5	22,263	8,342	998	10	9,350
Oct-29	306,793	35,209	297	342,300	84,151	8,126	10	92,287	26,660	3,228	2	29,891	20,172	2,365	5	22,542	8,461	1,004	7	9,472
Nov-29	308,207	35,142	297	343,647	84,921	8,195	10	93,127	26,922	3,267	2	30,191	20,358	2,395	5	22,758	8,527	999	5	9,532
Dec-29	309,243	35,244	299	344,785	85,364	8,236	10	93,610	27,050	3,274	2	30,327	20,563	2,417	5	22,985	8,583	1,032	1	9,616

Appendix 3.2 - Customer Forecast - Number by Region
Low Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-09	199,086	22,553	246	221,884	50,231	6,426	10	56,667	13,043	2,146	2	15,191	13,775	1,618	5	15,398	6,423	879	5	7,307
Dec-09	199,433	22,587	247	222,266	50,366	6,442	10	56,818	13,075	2,149	2	15,225	13,846	1,626	5	15,477	6,444	893	1	7,338
Jan-10	199,656	22,683	245	222,583	50,513	6,456	10	56,979	13,100	2,153	2	15,254	13,888	1,635	5	15,528	6,477	887	1	7,366
Feb-10	199,660	22,687	246	222,593	50,464	6,466	11	56,941	13,109	2,152	2	15,263	13,902	1,649	5	15,556	6,469	887	1	7,357
Mar-10	199,610	22,688	245	222,544	50,417	6,448	10	56,875	13,100	2,175	2	15,278	13,875	1,649	5	15,530	6,449	887	1	7,338
Apr-10	199,383	22,775	248	222,406	50,530	6,472	10	57,012	13,104	2,160	2	15,266	13,866	1,637	5	15,508	6,437	882	1	7,320
May-10	199,318	22,777	248	222,343	50,449	6,467	10	56,927	13,086	2,161	2	15,249	13,834	1,628	5	15,467	6,421	882	1	7,304
Jun-10	199,221	22,809	246	222,276	50,368	6,470	10	56,849	13,035	2,158	2	15,195	13,775	1,625	5	15,405	6,416	878	1	7,295
Jul-10	199,495	22,820	248	222,563	50,339	6,447	10	56,796	13,026	2,164	2	15,192	13,745	1,625	5	15,376	6,379	881	1	7,261
Aug-10	199,482	22,812	248	222,542	50,241	6,445	10	56,697	13,023	2,159	2	15,184	13,707	1,624	5	15,336	6,366	882	1	7,249
Sep-10	199,823	22,814	247	222,883	50,201	6,444	10	56,656	12,983	2,160	2	15,145	13,718	1,626	5	15,349	6,365	881	10	7,256
Oct-10	200,128	22,847	248	223,222	50,295	6,447	10	56,752	13,052	2,163	2	15,217	13,785	1,632	5	15,421	6,410	883	7	7,300
Nov-10	200,601	22,824	248	223,673	50,529	6,475	10	57,015	13,117	2,176	2	15,295	13,849	1,643	5	15,497	6,435	881	5	7,321
Dec-10	200,948	22,858	249	224,055	50,664	6,492	10	57,165	13,149	2,179	2	15,330	13,920	1,651	5	15,576	6,457	895	1	7,353
Jan-11	201,278	22,966	246	224,490	50,861	6,508	10	57,379	13,175	2,189	2	15,365	13,962	1,669	5	15,635	6,502	892	1	7,395
Feb-11	201,282	22,971	248	224,501	50,811	6,519	11	57,340	13,184	2,188	2	15,374	13,976	1,682	5	15,663	6,494	892	1	7,387
Mar-11	201,232	22,972	247	224,451	50,764	6,501	10	57,275	13,175	2,211	2	15,388	13,949	1,682	5	15,637	6,474	892	1	7,367
Apr-11	201,005	23,059	250	224,314	50,927	6,524	10	57,461	13,203	2,196	2	15,402	13,965	1,670	5	15,640	6,462	887	1	7,350
May-11	200,940	23,061	250	224,251	50,846	6,520	10	57,376	13,186	2,197	2	15,385	13,933	1,662	5	15,599	6,446	887	1	7,334
Jun-11	200,843	23,093	248	224,184	50,765	6,523	10	57,298	13,134	2,194	2	15,331	13,873	1,659	5	15,537	6,440	883	1	7,324
Jul-11	201,369	23,104	250	224,722	50,785	6,500	10	57,295	13,126	2,200	2	15,328	13,844	1,659	5	15,507	6,404	886	1	7,291
Aug-11	201,355	23,096	250	224,701	50,688	6,498	10	57,196	13,122	2,195	2	15,320	13,806	1,657	5	15,468	6,391	887	1	7,279
Sep-11	201,696	23,097	249	225,043	50,648	6,497	10	57,155	13,082	2,196	2	15,280	13,817	1,660	5	15,481	6,390	885	10	7,285
Oct-11	202,001	23,130	250	225,382	50,791	6,500	10	57,301	13,176	2,199	2	15,377	13,908	1,665	5	15,578	6,435	888	7	7,330
Nov-11	202,475	23,108	250	225,833	51,026	6,528	10	57,563	13,242	2,212	2	15,456	13,972	1,676	5	15,653	6,460	886	5	7,351
Dec-11	202,822	23,142	251	226,214	51,160	6,544	10	57,714	13,274	2,215	2	15,490	14,043	1,684	5	15,732	6,481	900	1	7,383
Jan-12	203,849	23,273	247	227,369	51,790	6,563	10	58,363	13,558	2,225	2	15,784	14,126	1,702	5	15,832	6,557	897	1	7,456
Feb-12	203,853	23,278	249	227,380	51,738	6,574	11	58,323	13,568	2,224	2	15,794	14,140	1,716	5	15,861	6,549	897	1	7,447
Mar-12	203,803	23,279	248	227,330	51,690	6,556	10	58,256	13,558	2,248	2	15,808	14,113	1,716	5	15,834	6,529	897	1	7,427
Apr-12	203,570	23,368	251	227,189	51,858	6,580	10	58,448	13,588	2,232	2	15,823	14,129	1,703	5	15,837	6,516	892	1	7,409
May-12	203,503	23,370	251	227,124	51,775	6,575	10	58,360	13,570	2,233	2	15,805	14,096	1,694	5	15,795	6,500	892	1	7,393
Jun-12	203,403	23,403	249	227,055	51,691	6,578	10	58,279	13,515	2,230	2	15,747	14,035	1,691	5	15,732	6,494	888	1	7,383
Jul-12	203,943	23,414	251	227,608	51,712	6,555	10	58,276	13,506	2,237	2	15,745	14,005	1,691	5	15,701	6,457	891	1	7,349
Aug-12	203,929	23,406	251	227,586	51,611	6,553	10	58,173	13,502	2,231	2	15,736	13,966	1,690	5	15,661	6,444	892	1	7,337
Sep-12	204,279	23,407	250	227,936	51,569	6,552	10	58,131	13,460	2,232	2	15,694	13,977	1,692	5	15,674	6,443	890	10	7,344
Oct-12	204,591	23,441	251	228,283	51,718	6,555	10	58,283	13,560	2,235	2	15,797	14,071	1,698	5	15,774	6,489	893	7	7,389
Nov-12	205,077	23,418	251	228,746	51,961	6,583	10	58,554	13,629	2,249	2	15,880	14,136	1,709	5	15,851	6,515	891	5	7,410
Dec-12	205,432	23,453	252	229,137	52,100	6,600	10	58,710	13,662	2,252	2	15,916	14,209	1,718	5	15,932	6,536	905	1	7,442
Jan-13	206,517	23,580	248	230,344	52,719	6,611	10	59,339	13,941	2,255	2	16,197	14,344	1,727	5	16,076	6,612	902	1	7,516
Feb-13	206,521	23,584	250	230,356	52,666	6,621	11	59,297	13,951	2,254	2	16,207	14,359	1,741	5	16,105	6,604	902	1	7,507
Mar-13	206,469	23,585	249	230,304	52,615	6,603	10	59,228	13,941	2,278	2	16,222	14,331	1,741	5	16,077	6,583	902	1	7,487
Apr-13	206,230	23,677	252	230,159	52,790	6,627	10	59,427	13,973	2,263	2	16,238	14,347	1,728	5	16,080	6,571	897	1	7,468
May-13	206,162	23,679	252	230,093	52,703	6,622	10	59,336	13,954	2,263	2	16,219	14,313	1,719	5	16,037	6,554	897	1	7,452
Jun-13	206,060	23,713	250	230,022	52,617	6,625	10	59,252	13,896	2,260	2	16,158	14,251	1,716	5	15,972	6,549	893	1	7,442
Jul-13	206,613	23,724	252	230,589	52,638	6,602	10	59,250	13,886	2,267	2	16,155	14,220	1,716	5	15,941	6,511	896	1	7,408
Aug-13	206,598	23,716	252	230,566	52,533	6,600	10	59,143	13,883	2,261	2	16,146	14,180	1,714	5	15,899	6,498	897	1	7,395
Sep-13	206,957	23,717	251	230,925	52,490	6,599	10	59,099	13,838	2,262	2	16,102	14,191	1,717	5	15,913	6,497	895	10	7,402
Oct-13	207,278	23,752	252	231,282	52,644	6,602	10	59,256	13,943	2,265	2	16,210	14,287	1,723	5	16,015	6,543	898	7	7,448
Nov-13	207,776	23,728	252	231,756	52,895	6,631	10	59,536	14,016	2,280	2	16,297	14,355	1,734	5	16,094	6,569	896	5	7,470
Dec-13	208,140	23,764	253	232,157	53,040	6,648	10	59,697	14,051	2,282	2	16,335	14,430	1,743	5	16,178	6,591	910	1	7,502
Jan-14	209,234	23,886	250	233,370	53,702	6,658	10	60,370	14,324	2,284	2	16,610	14,508	1,743	5	16,256	6,668	905	1	7,573
Feb-14	209,239	23,891	252	233,381	53,647	6,669	11	60,326	14,335	2,284	2	16,621	14,523	1,758	5	16,286	6,659	904	1	7,565
Mar-14	209,185	23,892	251	233,328	53,595	6,650	10	60,255	14,325	2,309	2	16,636	14,495	1,758	5	16,258	6,638	905	1	7,544
Apr-14	208,940	23,986	254	233,180	53,776	6,674	10	60,460	14,358	2,293	2	16,652	14,511	1,745	5	16,261	6,625	899	1	7,525
May-14	208,871	23,988	254	233,112	53,686	6,670	10	60,366	14,337	2,293	2	16,633	14,477	1,736	5	16,217	6,608	899	1	7,509
Jun-14	208,765	24,022	252	233,039	53,597	6,673	10	60,279	14,277	2,290	2	16,569	14,413	1,732	5	16,150	6,603	895	1	7,499
Jul-14	209,333	24,034	253	233,620	53,619	6,649	10	60,277	14,267	2,297	2	16,566	14,381	1,732	5	16,118	6,564	898	1	7,464
Aug-14	209,318	24,026	254	233,597	53,511	6,647	10	60,167	14,263	2,291	2	16,556	14,340	1,731	5	16,075	6,551	899	1	7,451
Sep-14	209,686	24,027	252	233,965	53,466	6,646	10	60,122	14,216	2,292	2	16,510	14,352	1,733	5	16,090	6,550	898	10	7,458
Oct-14	210,014	24,063	254	234,331	53,625	6,649	10	60,284	14,326	2,295	2	16,624	14,450	1,739	5	16,194	6,597	900	7	7,504
Nov-14	210,525	24,038	254	234,817	53,885	6,678	10	60,573	14,403	2,310	2	16,715	14,519	1,751	5	16,275	6,624	898	5	7,527
Dec-14	210,899	24,075	254	235,228	54,035	6,695	10	60,740	14,440	2,313	2	16,755	14,596	1,760	5	16,361	6,646	913	1	7,560
Jan-15	211,952	24,193	251	236,396	54,741	6,705	10	61,455	14,707	2,320	2	17,029	14,672	1,760	5	16,436	6,723	907	1	7,631
Feb-15	211,957	24,198	253	236,407	54,684	6,716	11	61,410	14,719	2,320	2	17,041	14,687	1,775	5	16,467	6,714	907	1	7,622
Mar-15	211,902	24,199	252	236,353	54,630	6,697	10	61,337	14,708	2,346	2	17,055	14,658	1,775	5	16,438	6,693	907	1	7,601
Apr-15	211,651	24,295	255	236,201	54,817	6,722	10	61,548	14,743	2,329	2	17,073	14,675	1,761	5	16,441	6,680	902	1	7,582
May-15	211,580	24,296	255	236,131	54,724	6,717	10	61,451	14,721	2,329	2	17,053	14,640	1,752	5	16,397	6,663	902	1	7,565
Jun-15	211,472	24,332	253	236,057	54,631	6,720	10	61,361	14,658	2,326	2	16,986	14,574	1,749	5	16,328	6,657	898	1	7,556
Jul-15	212,053	24,345	255	236,652	54,654	6,696	10	61,360	14,647	2,333	2	16,982	14,542	1,749	5	16,296	6,618	901	1	7,520
Aug-15	212,038	24,336	255	236,629	54,542	6,694	10	61,246	14,643	2,328	2	16,972	14,500	1,747	5	16,252	6,604	902	1	7,507
Sep-15	212,415	24,337	254	237,006	54,496	6,693	10	61,198	14,594	2,328	2	16,924	14,512	1,750	5	16,267	6,603	900	10	7,513
Oct-15	212,751	24,374	255	237,380	54,661	6,696	10	61,367	14,710	2,332	2	17,043	14,613	1,756	5	16,373	6,651	903	7	7,561

Appendix 3.2 - Customer Forecast - Number by Region
Low Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-15	213,275	24,348	255	237,878	54,930	6,725	10	61,666	14,790	2,347	2	17,139	14,683	1,768	5	16,456	6,678	901	5	7,584
Dec-15	213,658	24,386	256	238,300	55,085	6,743	10	61,838	14,829	2,349	2	17,181	14,761	1,777	5	16,543	6,701	915	1	7,617
Jan-16	214,670	24,499	252	239,421	55,779	6,749	10	62,538	15,090	2,350	2	17,442	14,836	1,776	5	16,617	6,778	910	1	7,689
Feb-16	214,674	24,504	255	239,433	55,720	6,761	11	62,491	15,103	2,350	2	17,454	14,851	1,792	5	16,648	6,769	909	1	7,680
Mar-16	214,618	24,505	254	239,377	55,664	6,741	10	62,416	15,091	2,376	2	17,469	14,822	1,792	5	16,619	6,747	910	1	7,658
Apr-16	214,361	24,604	257	239,221	55,858	6,766	10	62,634	15,128	2,359	2	17,488	14,839	1,778	5	16,622	6,734	904	1	7,639
May-16	214,288	24,605	257	239,150	55,762	6,762	10	62,533	15,105	2,359	2	17,466	14,803	1,768	5	16,576	6,717	904	1	7,622
Jun-16	214,177	24,642	255	239,074	55,665	6,765	10	62,440	15,038	2,356	2	17,397	14,736	1,765	5	16,506	6,711	900	1	7,612
Jul-16	214,773	24,655	256	239,683	55,689	6,740	10	62,439	15,028	2,363	2	17,393	14,703	1,765	5	16,473	6,671	903	1	7,576
Aug-16	214,757	24,645	257	239,660	55,573	6,738	10	62,321	15,023	2,358	2	17,383	14,660	1,763	5	16,429	6,658	904	1	7,563
Sep-16	215,143	24,647	255	240,046	55,525	6,737	10	62,272	14,972	2,358	2	17,332	14,672	1,766	5	16,444	6,657	903	10	7,569
Oct-16	215,488	24,684	257	240,429	55,696	6,740	10	62,446	15,093	2,362	2	17,457	14,775	1,772	5	16,552	6,705	905	7	7,617
Nov-16	216,024	24,659	257	240,939	55,975	6,770	10	62,756	15,177	2,377	2	17,556	14,847	1,785	5	16,637	6,732	903	5	7,641
Dec-16	216,416	24,698	257	241,371	56,136	6,788	10	62,934	15,218	2,380	2	17,600	14,927	1,794	5	16,726	6,756	918	1	7,674
Jan-17	217,385	24,805	253	242,443	56,763	6,791	10	63,564	15,474	2,380	2	17,856	14,999	1,793	5	16,797	6,833	912	1	7,746
Feb-17	217,390	24,810	256	242,456	56,702	6,803	11	63,515	15,486	2,379	2	17,868	15,015	1,809	5	16,829	6,824	912	1	7,737
Mar-17	217,332	24,812	255	242,399	56,644	6,783	10	63,437	15,474	2,407	2	17,883	14,985	1,809	5	16,799	6,802	912	1	7,715
Apr-17	217,069	24,912	258	242,239	56,844	6,809	10	63,662	15,512	2,389	2	17,903	15,003	1,794	5	16,802	6,789	907	1	7,696
May-17	216,994	24,914	258	242,166	56,745	6,804	10	63,559	15,489	2,389	2	17,880	14,966	1,785	5	16,756	6,771	907	1	7,679
Jun-17	216,881	24,951	256	242,088	56,645	6,807	10	63,462	15,419	2,387	2	17,808	14,898	1,781	5	16,684	6,765	902	1	7,669
Jul-17	217,490	24,964	257	242,712	56,670	6,782	10	63,462	15,408	2,394	2	17,803	14,864	1,781	5	16,650	6,725	906	1	7,632
Aug-17	217,475	24,955	258	242,687	56,550	6,780	10	63,340	15,403	2,388	2	17,793	14,820	1,780	5	16,605	6,711	907	1	7,618
Sep-17	217,870	24,957	256	243,083	56,501	6,779	10	63,289	15,350	2,388	2	17,740	14,833	1,783	5	16,620	6,710	905	10	7,625
Oct-17	218,223	24,995	258	243,475	56,677	6,782	10	63,469	15,476	2,392	2	17,870	14,938	1,789	5	16,732	6,759	908	7	7,674
Nov-17	218,771	24,968	258	243,997	56,965	6,812	10	63,788	15,564	2,408	2	17,974	15,011	1,801	5	16,818	6,787	906	5	7,698
Dec-17	219,173	25,008	258	244,439	57,131	6,830	10	63,971	15,607	2,411	2	18,019	15,093	1,810	5	16,908	6,810	920	1	7,732
Jan-18	220,150	25,122	255	245,527	57,692	6,833	10	64,535	15,857	2,404	2	18,263	15,163	1,809	5	16,978	6,888	915	1	7,804
Feb-18	220,155	25,127	257	245,539	57,629	6,845	11	64,484	15,870	2,403	2	18,275	15,180	1,826	5	17,010	6,880	914	1	7,795
Mar-18	220,096	25,128	256	245,481	57,570	6,825	10	64,405	15,857	2,431	2	18,290	15,149	1,826	5	16,979	6,857	915	1	7,773
Apr-18	219,827	25,231	259	245,317	57,775	6,851	10	64,636	15,897	2,413	2	18,312	15,167	1,811	5	16,983	6,843	909	1	7,753
May-18	219,750	25,233	259	245,243	57,673	6,846	10	64,529	15,873	2,414	2	18,288	15,129	1,801	5	16,935	6,825	909	1	7,736
Jun-18	219,635	25,271	257	245,163	57,571	6,849	10	64,430	15,800	2,411	2	18,213	15,060	1,798	5	16,863	6,819	905	1	7,725
Jul-18	220,258	25,285	259	245,801	57,596	6,824	10	64,430	15,788	2,418	2	18,208	15,025	1,798	5	16,828	6,779	908	1	7,688
Aug-18	220,242	25,275	259	245,776	57,473	6,822	10	64,305	15,783	2,412	2	18,197	14,981	1,796	5	16,782	6,764	909	1	7,674
Sep-18	220,646	25,277	258	246,181	57,422	6,821	10	64,253	15,727	2,412	2	18,142	14,993	1,799	5	16,797	6,763	907	10	7,681
Oct-18	221,007	25,316	259	246,582	57,604	6,824	10	64,437	15,859	2,416	2	18,277	15,100	1,805	5	16,911	6,813	910	7	7,730
Nov-18	221,569	25,289	259	247,117	57,900	6,855	10	64,765	15,951	2,432	2	18,385	15,175	1,818	5	16,998	6,841	908	5	7,754
Dec-18	221,980	25,329	260	247,569	58,071	6,873	10	64,953	15,996	2,435	2	18,433	15,259	1,827	5	17,091	6,865	923	1	7,789
Jan-19	222,916	25,438	257	248,611	58,566	6,872	10	65,448	16,240	2,428	2	18,670	15,327	1,826	5	17,158	6,944	917	1	7,862
Feb-19	222,920	25,444	259	248,623	58,501	6,884	11	65,396	16,254	2,427	2	18,683	15,344	1,842	5	17,191	6,935	917	1	7,852
Mar-19	222,861	25,445	258	248,564	58,441	6,864	10	65,315	16,241	2,455	2	18,698	15,312	1,842	5	17,160	6,912	917	1	7,830
Apr-19	222,585	25,550	261	248,396	58,652	6,890	10	65,552	16,282	2,437	2	18,721	15,331	1,828	5	17,163	6,898	912	1	7,810
May-19	222,507	25,552	261	248,320	58,547	6,885	10	65,442	16,257	2,438	2	18,696	15,292	1,818	5	17,115	6,880	912	1	7,792
Jun-19	222,388	25,591	259	248,239	58,442	6,888	10	65,341	16,181	2,435	2	18,617	15,222	1,814	5	17,041	6,874	907	1	7,782
Jul-19	223,026	25,605	261	248,892	58,468	6,863	10	65,341	16,169	2,442	2	18,612	15,186	1,814	5	17,005	6,832	910	1	7,744
Aug-19	223,010	25,595	261	248,866	58,341	6,861	10	65,212	16,163	2,436	2	18,601	15,141	1,812	5	16,958	6,818	912	1	7,730
Sep-19	223,423	25,597	260	249,280	58,289	6,860	10	65,159	16,105	2,436	2	18,544	15,154	1,815	5	16,974	6,816	910	10	7,736
Oct-19	223,792	25,637	261	249,690	58,476	6,863	10	65,349	16,243	2,440	2	18,685	15,263	1,822	5	17,090	6,867	913	7	7,787
Nov-19	224,367	25,609	261	250,237	58,780	6,894	10	65,684	16,338	2,457	2	18,797	15,340	1,835	5	17,179	6,896	910	5	7,811
Dec-19	224,787	25,651	262	250,700	58,955	6,912	10	65,877	16,385	2,460	2	18,846	15,424	1,844	5	17,274	6,920	926	1	7,847
Jan-20	225,781	25,767	257	251,805	59,440	6,917	10	66,367	16,623	2,452	2	19,077	15,491	1,842	5	17,339	6,999	920	1	7,919
Feb-20	225,786	25,772	260	251,818	59,374	6,929	11	66,313	16,637	2,451	2	19,091	15,508	1,859	5	17,372	6,990	919	1	7,910
Mar-20	225,725	25,774	259	251,757	59,312	6,909	10	66,230	16,624	2,480	2	19,105	15,476	1,859	5	17,340	6,966	920	1	7,887
Apr-20	225,443	25,881	262	251,586	59,528	6,935	10	66,473	16,667	2,461	2	19,130	15,495	1,844	5	17,344	6,952	914	1	7,867
May-20	225,363	25,883	262	251,508	59,421	6,930	10	66,361	16,640	2,462	2	19,104	15,456	1,834	5	17,295	6,934	914	1	7,849
Jun-20	225,242	25,923	260	251,425	59,313	6,933	10	66,256	16,562	2,459	2	19,022	15,383	1,831	5	17,219	6,928	910	1	7,838
Jul-20	225,894	25,937	261	252,093	59,340	6,907	10	66,257	16,549	2,466	2	19,017	15,347	1,831	5	17,183	6,886	913	1	7,800
Aug-20	225,877	25,927	262	252,066	59,210	6,905	10	66,125	16,544	2,460	2	19,005	15,301	1,829	5	17,135	6,871	914	1	7,786
Sep-20	226,301	25,929	260	252,490	59,156	6,904	10	66,070	16,483	2,460	2	18,946	15,314	1,832	5	17,151	6,870	912	10	7,792
Oct-20	226,678	25,970	262	252,910	59,348	6,907	10	66,265	16,626	2,464	2	19,092	15,426	1,838	5	17,269	6,921	915	7	7,843
Nov-20	227,266	25,942	262	253,469	59,660	6,939	10	66,609	16,725	2,481	2	19,208	15,504	1,851	5	17,360	6,950	913	5	7,868
Dec-20	227,696	25,984	262	253,943	59,840	6,957	10	66,807	16,773	2,484	2	19,260	15,590	1,861	5	17,456	6,975	928	1	7,904
Jan-21	228,697	26,096	259	255,053	60,315	6,959	10	67,284	17,006	2,476	2	19,484	15,655	1,859	5	17,519	7,054	922	1	7,977
Feb-21	228,702	26,102	261	255,066	60,247	6,971	11	67,228	17,021	2,475	2	19,498	15,672	1,876	5	17,553	7,045	922	1	7,967
Mar-21	228,640	26,103	260	255,003	60,183	6,950	10	67,143	17,007	2,504	2	19,513	15,640	1,876	5	17,521	7,021	922	1	7,944
Apr-21	228,351	26,214	263	254,828	60,405	6,977	10	67,392	17,052	2,485	2	19,539	15,659	1,861	5	17,524	7,007	916	1	7,924
May-21	228,269	26,216	263	254,748	60,295	6,972	10	67,277	17,024	2,486	2	19,512	15,619	1,851	5	17,474	6,988	916	1	7,906
Jun-21	228,146	26,257	261	254,663	60,184	6,975	10	67,170	16,943	2,483	2	19,427	15,545	1,847	5	17,397	6,982	912	1	7,895
Jul-21	228,813	26,271	263	255,347	60,211	6,949	10	67,171	16,929	2,490	2	19,421	15,509	1,847	5	17,360	6,939	915	1	7,856
Aug-21	228,796	26,260	263	255,320	60,078	6,947	10	67,035	16,924	2,484	2	19,410	15,461	1,845	5	17,311	6,924	916	1	7,842
Sep-21	229,229	26,262	262	255,753	60,023	6,946	10	66,979	16,861	2,485	2	19,348	15,475	1,848	5	17,328	6,923	915	10	7,848
Oct-21	229,615	26,304	263	256,183	60,220	6,949	10	67,179	17,009	2,488	2	19,500	15,588	1,855	5	17,448	6,976	917	7	7,900

Appendix 3.2 - Customer Forecast - Number by Region
Low Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-21	230,216	26,275	263	256,755	60,540	6,981	10	67,531	17,112	2,505	2	19,619	15,668	1,868	5	17,541	7,005	915	5	7,925
Dec-21	230,656	26,319	264	257,239	60,724	7,000	10	67,734	17,162	2,509	2	19,673	15,756	1,878	5	17,639	7,030	931	1	7,961
Jan-22	231,663	26,426	260	258,349	61,189	7,001	10	68,200	17,389	2,500	2	19,891	15,819	1,876	5	17,699	7,109	925	1	8,035
Feb-22	231,669	26,431	262	258,362	61,119	7,013	11	68,143	17,405	2,499	2	19,906	15,836	1,893	5	17,734	7,100	924	1	8,025
Mar-22	231,605	26,433	261	258,298	61,054	6,992	10	68,056	17,390	2,528	2	19,921	15,803	1,893	5	17,701	7,076	925	1	8,001
Apr-22	231,309	26,545	264	258,119	61,282	7,019	10	68,311	17,437	2,509	2	19,948	15,823	1,877	5	17,705	7,061	919	1	7,981
May-22	231,226	26,547	264	258,037	61,169	7,014	10	68,193	17,408	2,510	2	19,920	15,782	1,867	5	17,654	7,042	919	1	7,962
Jun-22	231,099	26,589	262	257,950	61,055	7,017	10	68,083	17,323	2,507	2	19,832	15,707	1,863	5	17,575	7,036	915	1	7,952
Jul-22	231,782	26,604	264	258,649	61,083	6,991	10	68,084	17,310	2,514	2	19,826	15,670	1,863	5	17,538	6,993	918	1	7,912
Aug-22	231,764	26,593	264	258,622	60,947	6,989	10	67,945	17,304	2,508	2	19,814	15,622	1,861	5	17,488	6,977	919	1	7,897
Sep-22	232,207	26,595	263	259,065	60,890	6,988	10	67,888	17,239	2,509	2	19,749	15,635	1,864	5	17,505	6,976	917	10	7,904
Oct-22	232,602	26,638	264	259,504	61,092	6,991	10	68,093	17,393	2,512	2	19,907	15,751	1,871	5	17,627	7,030	920	7	7,956
Nov-22	233,217	26,608	264	260,090	61,420	7,023	10	68,453	17,499	2,530	2	20,031	15,832	1,885	5	17,722	7,059	918	5	7,982
Dec-22	233,667	26,653	265	260,585	61,609	7,042	10	68,661	17,551	2,533	2	20,086	15,922	1,895	5	17,821	7,085	933	1	8,019
Jan-23	234,680	26,754	261	261,696	62,063	7,043	10	69,116	17,773	2,523	2	20,298	15,983	1,892	5	17,880	7,164	927	1	8,093
Feb-23	234,685	26,760	264	261,709	61,992	7,055	11	69,057	17,789	2,523	2	20,313	16,000	1,910	5	17,915	7,155	927	1	8,082
Mar-23	234,620	26,762	263	261,644	61,925	7,034	10	68,969	17,773	2,553	2	20,328	15,967	1,910	5	17,881	7,131	927	1	8,059
Apr-23	234,318	26,877	266	261,460	62,158	7,061	10	69,229	17,821	2,533	2	20,357	15,986	1,894	5	17,885	7,116	921	1	8,038
May-23	234,232	26,879	266	261,377	62,043	7,056	10	69,109	17,792	2,534	2	20,328	15,945	1,883	5	17,833	7,097	921	1	8,019
Jun-23	234,103	26,921	264	261,288	61,926	7,059	10	68,996	17,704	2,531	2	20,237	15,869	1,880	5	17,753	7,090	917	1	8,008
Jul-23	234,801	26,936	265	262,003	61,955	7,033	10	68,998	17,690	2,538	2	20,230	15,831	1,880	5	17,715	7,046	920	1	7,967
Aug-23	234,783	26,925	266	261,974	61,815	7,030	10	68,856	17,684	2,532	2	20,218	15,782	1,878	5	17,665	7,031	921	1	7,953
Sep-23	235,236	26,927	264	262,428	61,757	7,029	10	68,797	17,617	2,533	2	20,151	15,796	1,881	5	17,682	7,030	920	10	7,959
Oct-23	235,640	26,971	266	262,877	61,964	7,033	10	69,006	17,776	2,537	2	20,314	15,913	1,888	5	17,806	7,084	922	7	8,013
Nov-23	236,269	26,941	266	263,476	62,300	7,065	10	69,375	17,886	2,554	2	20,442	15,996	1,902	5	17,903	7,114	920	5	8,039
Dec-23	236,730	26,986	267	263,982	62,493	7,084	10	69,588	17,940	2,557	2	20,500	16,087	1,912	5	18,004	7,139	936	1	8,076
Jan-24	237,697	27,083	262	265,042	62,938	7,082	10	70,030	18,156	2,553	2	20,711	16,146	1,909	5	18,060	7,220	930	1	8,150
Feb-24	237,702	27,089	264	265,056	62,865	7,094	11	69,969	18,172	2,553	2	20,727	16,165	1,927	5	18,096	7,210	929	1	8,140
Mar-24	237,635	27,091	263	264,989	62,796	7,073	10	69,879	18,157	2,583	2	20,742	16,130	1,927	5	18,062	7,185	930	1	8,116
Apr-24	237,327	27,208	266	264,801	63,035	7,101	10	70,145	18,206	2,563	2	20,772	16,150	1,911	5	18,066	7,170	924	1	8,095
May-24	237,239	27,210	266	264,716	62,917	7,095	10	70,022	18,176	2,564	2	20,742	16,108	1,900	5	18,013	7,151	924	1	8,076
Jun-24	237,107	27,254	264	264,625	62,798	7,099	10	69,906	18,085	2,561	2	20,648	16,031	1,896	5	17,932	7,144	920	1	8,065
Jul-24	237,820	27,269	266	265,355	62,827	7,072	10	69,909	18,070	2,569	2	20,641	15,992	1,896	5	17,893	7,100	923	1	8,023
Aug-24	237,802	27,258	266	265,327	62,684	7,070	10	69,763	18,064	2,562	2	20,628	15,942	1,894	5	17,841	7,084	924	1	8,009
Sep-24	238,265	27,260	265	265,790	62,625	7,068	10	69,703	17,995	2,563	2	20,559	15,956	1,897	5	17,859	7,083	922	10	8,015
Oct-24	238,679	27,305	266	266,250	62,835	7,072	10	69,917	18,159	2,567	2	20,728	16,076	1,904	5	17,985	7,138	925	7	8,070
Nov-24	239,321	27,274	266	266,862	63,180	7,105	10	70,295	18,273	2,585	2	20,860	16,160	1,918	5	18,083	7,168	923	5	8,096
Dec-24	239,792	27,320	267	267,379	63,378	7,124	10	70,512	18,329	2,588	2	20,919	16,253	1,928	5	18,187	7,194	938	1	8,133
Jan-25	240,714	27,425	263	268,402	63,812	7,121	10	70,943	18,484	2,577	2	21,063	16,310	1,925	5	18,241	7,275	932	1	8,208
Feb-25	240,719	27,431	266	268,416	63,737	7,134	11	70,882	18,501	2,577	2	21,080	16,329	1,943	5	18,277	7,265	932	1	8,198
Mar-25	240,651	27,433	265	268,348	63,667	7,112	10	70,790	18,485	2,608	2	21,095	16,294	1,943	5	18,242	7,240	932	1	8,173
Apr-25	240,335	27,553	268	268,156	63,911	7,140	10	71,062	18,536	2,587	2	21,125	16,314	1,927	5	18,246	7,225	926	1	8,152
May-25	240,246	27,555	268	268,069	63,790	7,135	10	70,935	18,505	2,588	2	21,095	16,271	1,916	5	18,193	7,205	926	1	8,132
Jun-25	240,110	27,599	266	267,976	63,669	7,138	10	70,817	18,412	2,585	2	20,998	16,192	1,912	5	18,110	7,198	922	1	8,121
Jul-25	240,840	27,615	267	268,722	63,699	7,111	10	70,820	18,396	2,593	2	20,991	16,153	1,912	5	18,070	7,153	925	1	8,079
Aug-25	240,821	27,604	268	268,693	63,552	7,109	10	70,671	18,390	2,586	2	20,978	16,102	1,910	5	18,018	7,137	926	1	8,065
Sep-25	241,294	27,606	266	269,166	63,492	7,108	10	70,609	18,318	2,587	2	20,907	16,117	1,914	5	18,035	7,136	925	10	8,071
Oct-25	241,717	27,651	268	269,636	63,707	7,111	10	70,829	18,488	2,591	2	21,081	16,239	1,921	5	18,164	7,192	927	7	8,126
Nov-25	242,373	27,620	268	270,261	64,060	7,144	10	71,214	18,605	2,609	2	21,216	16,324	1,935	5	18,264	7,223	925	5	8,153
Dec-25	242,854	27,667	269	270,790	64,262	7,164	10	71,436	18,662	2,612	2	21,277	16,419	1,945	5	18,369	7,249	941	1	8,191
Jan-26	243,730	27,767	264	271,761	64,632	7,161	10	71,802	18,813	2,601	2	21,416	16,474	1,942	5	18,421	7,330	935	1	8,266
Feb-26	243,736	27,773	267	271,776	64,555	7,173	11	71,739	18,830	2,600	2	21,433	16,493	1,960	5	18,458	7,320	934	1	8,255
Mar-26	243,666	27,774	266	271,706	64,484	7,152	10	71,645	18,813	2,632	2	21,448	16,457	1,960	5	18,423	7,295	935	1	8,230
Apr-26	243,344	27,897	269	271,510	64,733	7,180	10	71,923	18,866	2,611	2	21,479	16,478	1,944	5	18,427	7,279	929	1	8,209
May-26	243,253	27,899	269	271,421	64,610	7,174	10	71,794	18,834	2,612	2	21,448	16,435	1,933	5	18,372	7,259	929	1	8,189
Jun-26	243,114	27,945	267	271,326	64,485	7,178	10	71,673	18,738	2,609	2	21,349	16,354	1,929	5	18,288	7,253	924	1	8,178
Jul-26	243,859	27,960	268	272,088	64,516	7,150	10	71,676	18,722	2,617	2	21,341	16,314	1,929	5	18,248	7,207	928	1	8,135
Aug-26	243,840	27,949	269	272,058	64,366	7,148	10	71,524	18,716	2,610	2	21,328	16,262	1,927	5	18,194	7,191	929	1	8,120
Sep-26	244,323	27,951	267	272,542	64,305	7,147	10	71,461	18,642	2,611	2	21,255	16,277	1,930	5	18,212	7,190	927	10	8,127
Oct-26	244,755	27,997	269	273,021	64,525	7,150	10	71,685	18,816	2,615	2	21,433	16,401	1,937	5	18,343	7,246	930	7	8,183
Nov-26	245,426	27,965	269	273,660	64,885	7,184	10	72,079	18,937	2,634	2	21,572	16,488	1,952	5	18,445	7,277	928	5	8,210
Dec-26	245,917	28,014	270	274,200	65,092	7,204	10	72,305	18,996	2,637	2	21,635	16,585	1,962	5	18,552	7,304	943	1	8,248
Jan-27	246,697	28,108	266	275,071	65,451	7,200	10	72,661	19,141	2,625	2	21,768	16,638	1,958	5	18,601	7,385	937	1	8,323
Feb-27	246,703	28,115	268	275,086	65,374	7,212	11	72,597	19,159	2,624	2	21,785	16,657	1,977	5	18,639	7,375	937	1	8,313
Mar-27	246,631	28,116	267	275,015	65,300	7,191	10	72,501	19,142	2,657	2	21,800	16,621	1,977	5	18,603	7,349	937	1	8,287
Apr-27	246,302	28,241	271	274,814	65,555	7,219	10	72,784	19,196	2,636	2	21,833	16,642	1,960	5	18,608	7,334	931	1	8,266
May-27	246,209	28,243	271	274,723	65,429	7,214	10	72,653	19,163	2,636	2	21,801	16,598	1,949	5	18,552	7,314	931	1	8,246
Jun-27	246,068	28,290	268	274,626	65,302	7,217	10	72,529	19,064	2,633	2	21,699	16,516	1,945	5	18,466	7,307	927	1	8,235
Jul-27	246,828	28,306	270	275,404	65,333	7,190	10	72,533	19,048	2,641	2	21,692	16,475	1,945	5	18,425	7,260	930	1	8,191
Aug-27	246,809	28,294	271	275,374	65,180	7,187	10	72,378	19,042	2,634	2	21,678	16,423	1,943	5	18,371	7,244	931	1	8,176
Sep-27	247,302	28,297	269	275,867	65,117	7,186	10	72,313	18,966	2,635	2	21,603	16,438	1,946	5	18,389	7,243	930	10	8,182
Oct-27	247,742	28,344	271	276,357	65,342	7,190	10	72,542	19,145	2,639	2	21,786	16,564	1,954	5	18,522	7,300	932	7	8,239

Appendix 3.2 - Customer Forecast - Number by Region
Low Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-27	248,427	28,311	271	277,009	65,710	7,223	10	72,943	19,269	2,658	2	21,928	16,652	1,968	5	18,626	7,332	930	5	8,267
Dec-27	248,928	28,361	271	277,560	65,921	7,243	10	73,174	19,329	2,661	2	21,992	16,751	1,979	5	18,735	7,359	946	1	8,306
Jan-28	249,663	28,450	267	278,380	66,271	7,239	10	73,520	19,469	2,649	2	22,120	16,802	1,975	5	18,782	7,440	940	1	8,381
Feb-28	249,669	28,457	269	278,395	66,192	7,252	11	73,454	19,488	2,648	2	22,138	16,821	1,994	5	18,820	7,430	939	1	8,370
Mar-28	249,597	28,458	268	278,323	66,117	7,230	10	73,357	19,470	2,681	2	22,153	16,785	1,994	5	18,783	7,404	940	1	8,345
Apr-28	249,261	28,586	272	278,118	66,377	7,259	10	73,645	19,526	2,660	2	22,187	16,806	1,977	5	18,788	7,388	934	1	8,323
May-28	249,166	28,588	272	278,026	66,248	7,253	10	73,511	19,492	2,660	2	22,154	16,761	1,966	5	18,732	7,368	934	1	8,302
Jun-28	249,022	28,635	269	277,927	66,119	7,257	10	73,385	19,391	2,657	2	22,050	16,678	1,961	5	18,644	7,361	929	1	8,291
Jul-28	249,798	28,652	271	278,720	66,150	7,229	10	73,389	19,374	2,665	2	22,042	16,636	1,961	5	18,603	7,314	932	1	8,247
Aug-28	249,778	28,640	272	278,689	65,995	7,226	10	73,231	19,368	2,658	2	22,028	16,583	1,959	5	18,547	7,297	934	1	8,232
Sep-28	250,281	28,642	270	279,193	65,930	7,225	10	73,165	19,290	2,659	2	21,951	16,598	1,963	5	18,566	7,296	932	10	8,238
Oct-28	250,730	28,690	272	279,692	66,160	7,229	10	73,399	19,473	2,663	2	22,138	16,726	1,970	5	18,702	7,354	935	7	8,296
Nov-28	251,428	28,657	272	280,357	66,535	7,263	10	73,808	19,600	2,682	2	22,285	16,816	1,985	5	18,807	7,386	932	5	8,324
Dec-28	251,939	28,707	272	280,919	66,750	7,283	10	74,043	19,662	2,686	2	22,350	16,916	1,996	5	18,917	7,414	948	1	8,363
Jan-29	252,580	28,779	268	281,627	67,091	7,278	10	74,379	19,798	2,679	2	22,479	16,966	1,992	5	18,962	7,496	942	1	8,439
Feb-29	252,586	28,786	271	281,642	67,010	7,291	11	74,312	19,817	2,678	2	22,497	16,985	2,011	5	19,001	7,485	942	1	8,428
Mar-29	252,511	28,787	270	281,568	66,934	7,269	10	74,213	19,799	2,711	2	22,512	16,948	2,011	5	18,964	7,459	942	1	8,402
Apr-29	252,170	28,917	273	281,360	67,199	7,298	10	74,507	19,855	2,690	2	22,547	16,970	1,994	5	18,969	7,443	936	1	8,380
May-29	252,073	28,920	273	281,265	67,067	7,293	10	74,370	19,821	2,690	2	22,513	16,924	1,982	5	18,911	7,422	936	1	8,359
Jun-29	251,926	28,968	271	281,165	66,935	7,296	10	74,241	19,717	2,687	2	22,406	16,840	1,978	5	18,822	7,415	932	1	8,348
Jul-29	252,717	28,985	273	281,974	66,968	7,268	10	74,246	19,700	2,695	2	22,398	16,797	1,978	5	18,780	7,367	935	1	8,303
Aug-29	252,696	28,973	273	281,942	66,809	7,265	10	74,084	19,693	2,688	2	22,384	16,743	1,976	5	18,724	7,351	936	1	8,288
Sep-29	253,209	28,975	271	282,455	66,743	7,264	10	74,017	19,614	2,689	2	22,305	16,759	1,979	5	18,743	7,349	934	10	8,294
Oct-29	253,667	29,024	273	282,964	66,977	7,268	10	74,255	19,802	2,693	2	22,497	16,889	1,987	5	18,881	7,408	937	7	8,352
Nov-29	254,379	28,990	273	283,642	67,360	7,302	10	74,672	19,932	2,713	2	22,647	16,981	2,002	5	18,987	7,441	935	5	8,381
Dec-29	254,900	29,041	274	284,215	67,580	7,323	10	74,912	19,996	2,716	2	22,714	17,082	2,013	5	19,100	7,468	951	1	8,420

Appendix 3.2 - Customer Forecast - Number by Region
High Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-09	200,475	22,820	250	223,545	49,866	6,405	10	56,280	12,978	2,158	2	15,138	13,598	1,608	5	15,211	6,339	866	5	7,210
Dec-09	201,516	22,923	252	224,691	50,270	6,454	10	56,733	13,074	2,166	2	15,241	13,811	1,632	5	15,448	6,403	909	1	7,312
Jan-10	202,185	23,210	247	225,642	50,712	6,496	10	57,218	13,150	2,178	2	15,329	13,937	1,660	5	15,602	6,502	892	1	7,395
Feb-10	202,197	23,223	250	225,671	50,563	6,527	10	57,100	13,178	2,176	2	15,356	13,979	1,702	5	15,686	6,478	891	1	7,370
Mar-10	202,049	23,227	247	225,523	50,423	6,473	10	56,906	13,151	2,246	2	15,399	13,900	1,702	5	15,607	6,418	892	1	7,311
Apr-10	201,367	23,488	256	225,110	50,761	6,544	10	57,315	13,162	2,200	2	15,364	13,872	1,665	5	15,542	6,381	876	1	7,258
May-10	201,173	23,492	256	224,922	50,520	6,530	10	57,060	13,109	2,202	2	15,313	13,776	1,639	5	15,420	6,333	876	1	7,210
Jun-10	200,880	23,589	250	224,720	50,277	6,539	10	56,826	12,954	2,194	2	15,150	13,598	1,630	5	15,233	6,317	864	1	7,182
Jul-10	201,704	23,623	255	225,581	50,188	6,470	10	56,668	12,929	2,212	2	15,143	13,509	1,630	5	15,145	6,207	873	1	7,082
Aug-10	201,663	23,598	256	225,517	49,896	6,464	10	56,370	12,918	2,197	2	15,118	13,395	1,626	5	15,026	6,169	876	1	7,046
Sep-10	202,687	23,603	252	226,541	49,775	6,461	10	56,246	12,799	2,199	2	15,000	13,428	1,633	5	15,066	6,166	872	10	7,048
Oct-10	203,601	23,702	256	227,559	50,057	6,470	10	56,537	13,006	2,208	2	15,216	13,628	1,650	5	15,282	6,301	879	7	7,187
Nov-10	205,022	23,633	256	228,912	50,759	6,554	10	57,324	13,202	2,249	2	15,452	13,820	1,683	5	15,508	6,376	873	5	7,254
Dec-10	206,063	23,737	258	230,057	51,163	6,603	10	57,777	13,297	2,256	2	15,556	14,033	1,706	5	15,745	6,440	916	1	7,357
Jan-11	207,051	24,061	250	231,362	51,754	6,653	10	58,418	13,374	2,286	2	15,662	14,159	1,760	5	15,924	6,576	907	1	7,484
Feb-11	207,063	24,075	256	231,394	51,605	6,685	10	58,300	13,402	2,285	2	15,689	14,201	1,801	5	16,007	6,552	906	1	7,459
Mar-11	206,915	24,078	253	231,246	51,465	6,631	10	58,106	13,375	2,354	2	15,731	14,122	1,801	5	15,929	6,492	907	1	7,400
Apr-11	206,232	24,339	262	230,833	51,952	6,701	10	58,664	13,460	2,309	2	15,771	14,168	1,764	5	15,937	6,455	891	1	7,347
May-11	206,039	24,344	262	230,645	51,711	6,688	10	58,409	13,408	2,310	2	15,720	14,072	1,739	5	15,816	6,407	891	1	7,299
Jun-11	205,746	24,441	256	230,443	51,468	6,697	10	58,175	13,253	2,303	2	15,558	13,894	1,730	5	15,629	6,391	879	1	7,271
Jul-11	207,324	24,474	261	232,059	51,528	6,628	10	58,166	13,227	2,321	2	15,550	13,805	1,730	5	15,540	6,281	888	1	7,170
Aug-11	207,283	24,450	262	231,996	51,236	6,622	10	57,868	13,217	2,306	2	15,525	13,691	1,725	5	15,422	6,243	891	1	7,135
Sep-11	208,307	24,454	258	233,020	51,115	6,619	10	57,744	13,097	2,307	2	15,407	13,724	1,733	5	15,462	6,240	886	10	7,136
Oct-11	209,221	24,553	262	234,037	51,546	6,628	10	58,184	13,379	2,316	2	15,698	13,998	1,749	5	15,752	6,375	894	7	7,276
Nov-11	210,643	24,485	262	235,390	52,249	6,711	10	58,970	13,575	2,357	2	15,934	14,190	1,782	5	15,977	6,450	888	5	7,343
Dec-11	211,683	24,588	264	236,535	52,652	6,761	10	59,423	13,671	2,365	2	16,037	14,404	1,806	5	16,214	6,514	931	1	7,446
Jan-12	214,766	24,981	253	240,000	54,541	6,818	11	61,370	14,523	2,394	2	16,919	14,651	1,859	5	16,515	6,742	922	1	7,665
Feb-12	214,778	24,995	259	240,032	54,387	6,850	11	61,248	14,553	2,392	2	16,947	14,693	1,902	5	16,601	6,718	921	1	7,639
Mar-12	214,626	24,998	256	239,881	54,242	6,795	11	61,048	14,525	2,464	2	16,991	14,613	1,902	5	16,520	6,656	922	1	7,579
Apr-12	213,927	25,266	265	239,458	54,746	6,867	11	61,624	14,615	2,417	2	17,034	14,660	1,864	5	16,529	6,618	906	1	7,525
May-12	213,728	25,271	265	239,264	54,496	6,853	11	61,360	14,559	2,419	2	16,980	14,561	1,837	5	16,404	6,570	906	1	7,477
Jun-12	213,428	25,370	259	239,057	54,245	6,862	10	61,118	14,395	2,411	2	16,808	14,379	1,828	5	16,213	6,553	894	1	7,448
Jul-12	215,046	25,405	264	240,715	54,307	6,792	10	61,109	14,368	2,430	2	16,800	14,289	1,828	5	16,122	6,442	903	1	7,346
Aug-12	215,004	25,380	265	240,649	54,004	6,786	10	60,801	14,357	2,414	2	16,773	14,172	1,823	5	16,000	6,403	906	1	7,310
Sep-12	216,054	25,384	261	241,699	53,879	6,783	10	60,673	14,231	2,416	2	16,649	14,205	1,831	5	16,041	6,400	901	10	7,311
Oct-12	216,991	25,486	265	242,742	54,325	6,792	10	61,128	14,529	2,425	2	16,956	14,486	1,848	5	16,339	6,537	909	7	7,452
Nov-12	218,448	25,415	265	244,129	55,054	6,877	11	61,942	14,736	2,467	2	17,205	14,683	1,882	5	16,570	6,614	903	5	7,521
Dec-12	219,515	25,521	267	245,304	55,472	6,928	11	62,410	14,837	2,475	2	17,314	14,901	1,907	5	16,813	6,678	946	1	7,625
Jan-13	222,769	25,901	256	248,925	57,328	6,960	11	64,299	15,673	2,484	2	18,158	15,306	1,934	5	17,245	6,907	937	1	7,845
Feb-13	222,781	25,915	262	248,959	57,169	6,992	11	64,172	15,704	2,482	2	18,188	15,350	1,978	5	17,333	6,883	935	1	7,819
Mar-13	222,626	25,918	259	248,803	57,018	6,936	11	63,966	15,674	2,555	2	18,232	15,267	1,978	5	17,250	6,820	937	1	7,758
Apr-13	221,908	26,193	268	248,369	57,541	7,009	11	64,561	15,769	2,508	2	18,279	15,316	1,938	5	17,259	6,782	920	1	7,703
May-13	221,705	26,198	268	248,171	57,282	6,995	11	64,288	15,711	2,509	2	18,222	15,214	1,911	5	17,130	6,733	920	1	7,654
Jun-13	221,397	26,300	262	247,959	57,022	7,004	11	64,037	15,538	2,501	2	18,041	15,027	1,902	5	16,933	6,716	908	1	7,625
Jul-13	223,056	26,335	267	249,658	57,085	6,933	11	64,030	15,509	2,520	2	18,032	14,933	1,902	5	16,840	6,603	917	1	7,521
Aug-13	223,013	26,309	268	249,591	56,772	6,927	11	63,710	15,498	2,504	2	18,004	14,813	1,897	5	16,715	6,563	920	1	7,484
Sep-13	224,090	26,314	264	250,668	56,643	6,924	11	63,578	15,365	2,506	2	17,872	14,847	1,905	5	16,757	6,560	916	10	7,486
Oct-13	225,051	26,418	268	251,737	57,105	6,933	11	64,049	15,679	2,515	2	18,197	15,136	1,922	5	17,063	6,699	923	7	7,629
Nov-13	226,545	26,346	268	253,160	57,858	7,020	11	64,889	15,897	2,559	2	18,458	15,339	1,957	5	17,301	6,777	917	5	7,699
Dec-13	227,639	26,455	270	254,364	58,291	7,071	11	65,373	16,004	2,567	2	18,572	15,564	1,983	5	17,552	6,843	961	1	7,805
Jan-14	230,921	26,820	261	258,001	60,279	7,101	11	67,392	16,822	2,573	2	19,397	15,798	1,983	5	17,786	7,073	944	1	8,018
Feb-14	230,934	26,835	267	258,036	60,114	7,134	11	67,259	16,855	2,572	2	19,429	15,842	2,029	5	17,876	7,048	943	1	7,992
Mar-14	230,774	26,838	264	257,876	59,958	7,078	11	67,047	16,824	2,647	2	19,473	15,758	2,029	5	17,791	6,984	944	1	7,930
Apr-14	230,038	27,120	273	257,431	60,499	7,151	11	67,662	16,924	2,598	2	19,523	15,807	1,988	5	17,800	6,945	928	1	7,874
May-14	229,830	27,125	273	257,228	60,231	7,137	11	67,379	16,862	2,599	2	19,464	15,704	1,961	5	17,669	6,895	928	1	7,824
Jun-14	229,514	27,229	267	257,010	59,962	7,146	11	67,119	16,680	2,591	2	19,273	15,512	1,951	5	17,468	6,878	916	1	7,795
Jul-14	231,216	27,265	271	258,752	60,028	7,074	11	67,113	16,650	2,611	2	19,263	15,416	1,951	5	17,372	6,763	925	1	7,689
Aug-14	231,172	27,239	273	258,684	59,704	7,068	11	66,783	16,638	2,594	2	19,235	15,293	1,946	5	17,244	6,723	928	1	7,652
Sep-14	232,276	27,244	268	259,788	59,570	7,065	11	66,646	16,498	2,596	2	19,096	15,329	1,954	5	17,288	6,720	923	10	7,653
Oct-14	233,261	27,350	273	260,884	60,048	7,074	11	67,133	16,829	2,606	2	19,437	15,624	1,972	5	17,601	6,861	931	7	7,799
Nov-14	234,793	27,277	273	262,343	60,828	7,162	11	68,002	17,058	2,650	2	19,711	15,831	2,008	5	17,844	6,941	925	5	7,870
Dec-14	235,915	27,388	275	263,577	61,277	7,214	12	68,502	17,170	2,658	2	19,831	16,061	2,033	5	18,100	7,007	969	1	7,977
Jan-15	239,074	27,740	265	267,079	63,394	7,242	12	70,648	17,972	2,681	2	20,654	16,289	2,033	5	18,327	7,238	952	1	8,191
Feb-15	239,088	27,755	271	267,114	63,223	7,276	12	70,510	18,006	2,679	2	20,688	16,335	2,079	5	18,419	7,213	950	1	8,164
Mar-15	238,924	27,758	268	266,951	63,061	7,219	12	70,292	17,973	2,757	2	20,732	16,249	2,079	5	18,333	7,148	952	1	8,101
Apr-15	238,170	28,046	278	266,494	63,622	7,293	12	70,927	18,078	2,706	2	20,786	16,299	2,038	5	18,342	7,109	935	1	8,045
May-15	237,957	28,051	278	266,286	63,344	7,279	12	70,635	18,014	2,708	2	20,724	16,193	2,010	5	18,208	7,058	935	1	7,994
Jun-15	237,633	28,159	271	266,063	63,065	7,288	12	70,365	17,823	2,699	2	20,524	15,997	2,000	5	18,002	7,041	923	1	7,965
Jul-15	239,376	28,196	276	267,848	63,133	7,216	11	70,360	17,791	2,720	2	20,513	15,900	2,000	5	17,905	6,924	932	1	7,857
Aug-15	239,331	28,169	278	267,778	62,797	7,209	11	70,018	17,779	2,703	2	20,483	15,774	1,995	5	17,774	6,883	935	1	7,819
Sep-15	240,463	28,174	273	268,909	62,659	7,206	11	69,876	17,632	2,704	2	20,338	15,810	2,003	5	17,818	6,880	930	10	7,820
Oct-15	241,472	28,283	278	270,032	63,154	7,216	12	70,381	17,979	2,715	2	20,695	16,112	2,021	5	18,138	7,023	938	7	7,969

Appendix 3.2 - Customer Forecast - Number by Region
High Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-15	243,042	28,207	278	271,527	63,963	7,304	12	71,279	18,220	2,760	2	20,982	16,324	2,058	5	18,386	7,104	932	5	8,041
Dec-15	244,192	28,321	279	272,792	64,428	7,357	12	71,796	18,337	2,768	2	21,108	16,558	2,084	5	18,647	7,172	976	1	8,149
Jan-16	247,227	28,659	269	276,155	66,509	7,376	12	73,897	19,121	2,770	2	21,893	16,781	2,083	5	18,868	7,404	959	1	8,364
Feb-16	247,240	28,675	276	276,191	66,331	7,410	12	73,753	19,158	2,769	2	21,928	16,827	2,130	5	18,962	7,378	958	1	8,337
Mar-16	247,073	28,678	273	276,024	66,165	7,352	12	73,529	19,123	2,848	2	21,973	16,739	2,130	5	18,874	7,312	959	1	8,273
Apr-16	246,300	28,973	282	275,556	66,745	7,427	12	74,184	19,233	2,796	2	22,031	16,791	2,088	5	18,884	7,272	942	1	8,216
May-16	246,082	28,978	282	275,342	66,457	7,413	12	73,882	19,165	2,798	2	21,965	16,683	2,059	5	18,747	7,221	942	1	8,164
Jun-16	245,750	29,088	276	275,114	66,168	7,423	12	73,603	18,965	2,789	2	21,757	16,483	2,049	5	18,537	7,203	930	1	8,134
Jul-16	247,536	29,126	281	276,942	66,239	7,349	12	73,600	18,933	2,810	2	21,745	16,383	2,049	5	18,437	7,084	939	1	8,025
Aug-16	247,490	29,098	282	276,871	65,891	7,342	12	73,245	18,919	2,793	2	21,714	16,255	2,044	5	18,304	7,043	942	1	7,986
Sep-16	248,648	29,104	277	278,029	65,748	7,339	12	73,098	18,765	2,795	2	21,562	16,291	2,052	5	18,349	7,040	938	10	7,987
Oct-16	249,682	29,215	282	279,179	66,260	7,349	12	73,621	19,129	2,805	2	21,936	16,599	2,071	5	18,675	7,186	946	7	8,138
Nov-16	251,290	29,138	282	280,710	67,098	7,439	12	74,549	19,381	2,852	2	22,234	16,816	2,108	5	18,929	7,267	939	5	8,212
Dec-16	252,467	29,255	284	282,006	67,579	7,492	12	75,083	19,504	2,860	2	22,366	17,056	2,135	5	19,195	7,337	984	1	8,321
Jan-17	255,373	29,577	272	285,222	69,460	7,502	12	76,974	20,271	2,860	2	23,133	17,272	2,132	5	19,410	7,570	967	1	8,537
Feb-17	255,387	29,593	279	285,259	69,277	7,536	12	76,825	20,309	2,858	2	23,169	17,320	2,180	5	19,505	7,543	965	1	8,510
Mar-17	255,215	29,597	276	285,088	69,104	7,477	12	76,594	20,273	2,940	2	23,214	17,230	2,180	5	19,415	7,477	967	1	8,444
Apr-17	254,425	29,899	285	284,609	69,703	7,554	12	77,270	20,387	2,887	2	23,276	17,283	2,137	5	19,425	7,436	950	1	8,387
May-17	254,201	29,904	285	284,390	69,407	7,539	12	76,958	20,317	2,888	2	23,207	17,172	2,108	5	19,286	7,384	950	1	8,334
Jun-17	253,862	30,016	279	284,157	69,108	7,549	12	76,669	20,108	2,880	2	22,989	16,968	2,098	5	19,071	7,366	937	1	8,304
Jul-17	255,689	30,055	284	286,028	69,181	7,474	12	76,668	20,074	2,901	2	22,976	16,866	2,098	5	18,969	7,245	947	1	8,193
Aug-17	255,642	30,027	285	285,954	68,822	7,468	12	76,302	20,060	2,883	2	22,945	16,735	2,093	5	18,833	7,203	950	1	8,153
Sep-17	256,828	30,032	281	287,140	68,674	7,464	12	76,150	19,899	2,885	2	22,786	16,773	2,102	5	18,879	7,199	945	10	8,155
Oct-17	257,886	30,146	285	288,317	69,203	7,474	12	76,690	20,279	2,895	2	23,176	17,087	2,120	5	19,213	7,348	953	7	8,308
Nov-17	259,531	30,067	285	289,884	70,068	7,565	12	77,645	20,542	2,943	2	23,487	17,308	2,158	5	19,471	7,431	947	5	8,383
Dec-17	260,736	30,186	287	291,210	70,564	7,619	13	78,196	20,670	2,952	2	23,624	17,553	2,185	5	19,743	7,501	991	1	8,494
Jan-18	263,668	30,527	277	294,472	72,247	7,627	13	79,887	21,420	2,932	2	24,354	17,764	2,182	5	19,951	7,735	974	1	8,710
Feb-18	263,682	30,543	283	294,509	72,058	7,662	13	79,733	21,460	2,930	2	24,392	17,813	2,231	5	20,048	7,709	973	1	8,682
Mar-18	263,507	30,547	280	294,334	71,881	7,603	13	79,497	21,422	3,013	2	24,437	17,721	2,231	5	19,956	7,641	974	1	8,616
Apr-18	262,698	30,856	290	293,844	72,498	7,680	13	80,190	21,542	2,959	2	24,502	17,774	2,187	5	19,967	7,599	957	1	8,558
May-18	262,469	30,861	290	293,620	72,192	7,665	13	79,870	21,468	2,961	2	24,431	17,662	2,158	5	19,824	7,546	957	1	8,505
Jun-18	262,122	30,976	283	293,381	71,885	7,675	13	79,572	21,250	2,952	2	24,204	17,454	2,147	5	19,606	7,528	945	1	8,474
Jul-18	263,992	31,016	288	295,296	71,960	7,600	13	79,572	21,215	2,973	2	24,190	17,350	2,147	5	19,502	7,406	954	1	8,361
Aug-18	263,944	30,987	290	295,220	71,591	7,593	12	79,196	21,200	2,955	2	24,157	17,216	2,142	5	19,363	7,363	957	1	8,321
Sep-18	265,157	30,992	285	296,434	71,438	7,590	12	79,040	21,032	2,957	2	23,991	17,254	2,151	5	19,410	7,359	952	10	8,322
Oct-18	266,240	31,109	290	297,639	71,983	7,600	13	79,595	21,428	2,968	2	24,398	17,575	2,170	5	19,750	7,510	960	7	8,477
Nov-18	267,924	31,028	290	299,242	72,873	7,692	13	80,577	21,703	3,016	2	24,721	17,800	2,208	5	20,013	7,594	954	5	8,553
Dec-18	269,157	31,150	292	300,599	73,384	7,746	13	81,143	21,837	3,025	2	24,864	18,050	2,236	5	20,291	7,666	999	1	8,666
Jan-19	271,965	31,477	283	303,724	74,870	7,745	13	82,628	22,570	3,004	2	25,575	18,256	2,232	5	20,492	7,901	982	1	8,883
Feb-19	271,979	31,493	289	303,762	74,676	7,780	13	82,470	22,611	3,002	2	25,615	18,305	2,281	5	20,591	7,874	980	1	8,855
Mar-19	271,800	31,497	286	303,583	74,494	7,720	13	82,228	22,572	3,086	2	25,660	18,211	2,281	5	20,497	7,805	982	1	8,788
Apr-19	270,972	31,813	296	303,081	75,127	7,798	13	82,939	22,696	3,031	2	25,729	18,266	2,237	5	20,508	7,763	965	1	8,728
May-19	270,738	31,818	296	302,853	74,814	7,783	13	82,610	22,620	3,033	2	25,655	18,151	2,207	5	20,363	7,709	965	1	8,675
Jun-19	270,383	31,936	289	302,608	74,498	7,793	13	82,304	22,393	3,024	2	25,418	17,939	2,196	5	20,140	7,691	952	1	8,644
Jul-19	272,296	31,976	294	304,567	74,576	7,717	13	82,305	22,356	3,046	2	25,403	17,833	2,196	5	20,034	7,566	961	1	8,529
Aug-19	272,247	31,947	296	304,490	74,196	7,710	13	81,919	22,340	3,027	2	25,370	17,697	2,191	5	19,893	7,523	965	1	8,488
Sep-19	273,488	31,953	291	305,731	74,039	7,707	13	81,759	22,166	3,029	2	25,197	17,736	2,200	5	19,941	7,519	960	10	8,489
Oct-19	274,595	32,072	296	306,963	74,599	7,717	13	82,329	22,578	3,040	2	25,620	18,063	2,219	5	20,287	7,672	968	7	8,647
Nov-19	276,318	31,989	296	308,603	75,513	7,810	13	83,336	22,864	3,090	2	25,956	18,293	2,258	5	20,556	7,758	961	5	8,724
Dec-19	277,579	32,114	298	309,991	76,038	7,865	13	83,916	23,004	3,099	2	26,104	18,547	2,286	5	20,839	7,830	1,007	1	8,838
Jan-20	280,561	32,463	284	313,308	77,493	7,879	14	85,385	23,719	3,075	2	26,796	18,747	2,281	5	21,034	8,066	989	1	9,056
Feb-20	280,576	32,479	291	313,347	77,294	7,914	14	85,222	23,762	3,073	2	26,838	18,798	2,332	5	21,134	8,039	988	1	9,028
Mar-20	280,393	32,483	288	313,164	77,107	7,854	13	84,975	23,721	3,159	2	26,882	18,702	2,332	5	21,039	7,969	989	1	8,959
Apr-20	279,546	32,806	298	312,650	77,757	7,933	14	85,703	23,851	3,103	2	26,956	18,758	2,287	5	21,050	7,926	972	1	8,899
May-20	279,306	32,812	298	312,416	77,435	7,918	13	85,366	23,771	3,105	2	26,878	18,641	2,256	5	20,902	7,872	972	1	8,845
Jun-20	278,943	32,932	291	312,166	77,111	7,928	13	85,052	23,535	3,096	2	26,633	18,424	2,246	5	20,675	7,853	959	1	8,813
Jul-20	280,900	32,974	296	314,170	77,191	7,850	13	85,054	23,497	3,118	2	26,617	18,316	2,246	5	20,567	7,727	969	1	8,697
Aug-20	280,850	32,944	298	314,091	76,801	7,844	13	84,658	23,481	3,099	2	26,582	18,177	2,240	5	20,423	7,683	972	1	8,655
Sep-20	282,120	32,949	293	315,362	76,640	7,840	13	84,494	23,299	3,101	2	26,403	18,217	2,249	5	20,471	7,679	967	10	8,656
Oct-20	283,253	33,071	298	316,622	77,215	7,850	13	85,078	23,728	3,113	2	26,843	18,551	2,269	5	20,824	7,834	975	7	8,816
Nov-20	285,016	32,987	298	318,300	78,153	7,944	14	86,111	24,025	3,163	2	27,190	18,785	2,308	5	21,098	7,921	969	5	8,895
Dec-20	286,306	33,115	299	319,720	78,691	8,000	14	86,705	24,170	3,172	2	27,345	19,045	2,337	5	21,387	7,995	1,014	1	9,010
Jan-21	289,310	33,451	289	323,050	80,116	8,005	14	88,134	24,869	3,147	2	28,018	19,239	2,331	5	21,575	8,232	997	1	9,229
Feb-21	289,325	33,469	296	323,090	79,912	8,040	14	87,966	24,913	3,145	2	28,060	19,290	2,382	5	21,677	8,204	995	1	9,200
Mar-21	289,138	33,472	292	322,902	79,721	7,979	14	87,714	24,871	3,232	2	28,105	19,193	2,382	5	21,580	8,133	997	1	9,131
Apr-21	288,272	33,803	302	322,377	80,387	8,059	14	88,460	25,005	3,175	2	28,182	19,250	2,337	5	21,591	8,090	979	1	9,070
May-21	288,026	33,809	302	322,137	80,057	8,044	14	88,114	24,923	3,177	2	28,102	19,130	2,306	5	21,441	8,035	979	1	9,015
Jun-21	287,655	33,932	296	321,882	79,725	8,054	14	87,792	24,678	3,168	2	27,848	18,910	2,295	5	21,209	8,016	967	1	8,983
Jul-21	289,657	33,974	301	323,932	79,806	7,976	14	87,795	24,638	3,191	2	27,830	18,800	2,295	5	21,099	7,888	976	1	8,865
Aug-21	289,605	33,943	302	323,851	79,407	7,969	13	87,389	24,621	3,172	2	27,795	18,658	2,289	5	20,952	7,843	979	1	8,823
Sep-21	290,904	33,949	297	325,151	79,242	7,965	13	87,221	24,433	3,174	2	27,609	18,698	2,298	5	21,002	7,839	975	10	8,824
Oct-21	292,064	34,074	302	326,440	79,831	7,976	14	87,820	24,878	3,185	2	28,065	19,038	2,318	5	21,362	7,997	982	7	8,986

Appendix 3.2 - Customer Forecast - Number by Region
High Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-21	293,867	33,988	302	328,157	80,793	8,071	14	88,877	25,186	3,236	2	28,424	19,277	2,358	5	21,641	8,085	976	5	9,066
Dec-21	295,187	34,118	304	329,609	81,345	8,127	14	89,486	25,337	3,246	2	28,585	19,542	2,388	5	21,934	8,159	1,022	1	9,182
Jan-22	298,208	34,439	292	332,939	82,739	8,130	14	90,884	26,018	3,219	2	29,239	19,730	2,381	5	22,116	8,397	1,004	1	9,402
Feb-22	298,224	34,456	299	332,979	82,530	8,166	14	90,711	26,064	3,217	2	29,283	19,783	2,433	5	22,220	8,369	1,002	1	9,373
Mar-22	298,032	34,460	295	332,787	82,334	8,104	14	90,453	26,020	3,305	2	29,328	19,683	2,433	5	22,121	8,297	1,004	1	9,302
Apr-22	297,146	34,798	305	332,249	83,017	8,185	14	91,216	26,160	3,248	2	29,409	19,742	2,386	5	22,133	8,254	987	1	9,241
May-22	296,895	34,804	305	332,004	82,678	8,170	14	90,862	26,074	3,250	2	29,326	19,620	2,355	5	21,980	8,197	987	1	9,185
Jun-22	296,515	34,930	299	331,743	82,338	8,180	14	90,532	25,820	3,240	2	29,062	19,395	2,344	5	21,744	8,178	974	1	9,153
Jul-22	298,563	34,973	304	333,840	82,422	8,101	14	90,536	25,779	3,263	2	29,044	19,283	2,344	5	21,632	8,048	983	1	9,033
Aug-22	298,510	34,942	305	333,757	82,012	8,094	14	90,120	25,762	3,244	2	29,008	19,139	2,338	5	21,482	8,002	987	1	8,990
Sep-22	299,839	34,947	300	335,087	81,843	8,091	14	89,948	25,567	3,246	2	28,814	19,180	2,347	5	21,532	7,999	982	10	8,991
Oct-22	301,025	35,075	305	336,405	82,447	8,101	14	90,562	26,028	3,257	2	29,287	19,526	2,368	5	21,899	8,159	990	7	9,155
Nov-22	302,869	34,987	305	338,161	83,432	8,197	14	91,644	26,347	3,309	2	29,659	19,770	2,409	5	22,183	8,248	983	5	9,237
Dec-22	304,220	35,120	307	339,647	83,998	8,254	14	92,267	26,504	3,319	2	29,825	20,039	2,438	5	22,482	8,324	1,029	1	9,354
Jan-23	307,258	35,424	296	342,979	85,362	8,256	15	93,633	27,168	3,290	2	30,460	20,222	2,430	5	22,657	8,563	1,011	1	9,576
Feb-23	307,274	35,443	303	343,020	85,148	8,292	15	93,455	27,216	3,288	2	30,506	20,275	2,483	5	22,763	8,535	1,010	1	9,545
Mar-23	307,078	35,447	300	342,824	84,947	8,230	15	93,191	27,170	3,379	2	30,551	20,174	2,483	5	22,662	8,462	1,011	1	9,474
Apr-23	306,172	35,792	310	342,273	85,647	8,312	15	93,973	27,314	3,320	2	30,636	20,233	2,436	5	22,674	8,417	994	1	9,412
May-23	305,915	35,798	310	342,023	85,300	8,296	15	93,610	27,226	3,322	2	30,549	20,109	2,404	5	22,518	8,360	994	1	9,355
Jun-23	305,526	35,926	303	341,755	84,951	8,306	14	93,272	26,963	3,312	2	30,277	19,881	2,393	5	22,278	8,340	981	1	9,323
Jul-23	307,621	35,970	308	343,900	85,037	8,226	14	93,278	26,920	3,335	2	30,257	19,766	2,393	5	22,164	8,209	991	1	9,200
Aug-23	307,567	35,938	310	343,815	84,618	8,219	14	92,851	26,902	3,316	2	30,220	19,619	2,387	5	22,012	8,162	994	1	9,157
Sep-23	308,926	35,944	305	345,175	84,444	8,216	14	92,674	26,700	3,318	2	30,020	19,661	2,397	5	22,063	8,159	989	10	9,158
Oct-23	310,139	36,075	310	346,524	85,063	8,226	14	93,303	27,178	3,330	2	30,509	20,014	2,417	5	22,436	8,321	997	7	9,325
Nov-23	312,026	35,984	310	348,320	86,072	8,324	15	94,411	27,509	3,383	2	30,893	20,262	2,459	5	22,726	8,412	991	5	9,407
Dec-23	313,407	36,121	312	349,839	86,652	8,381	15	95,048	27,670	3,392	2	31,065	20,536	2,489	5	23,030	8,488	1,037	1	9,526
Jan-24	316,309	36,412	298	353,018	87,985	8,374	15	96,374	28,317	3,380	2	31,699	20,713	2,480	5	23,199	8,729	1,019	1	9,749
Feb-24	316,325	36,430	305	353,060	87,766	8,411	15	96,192	28,367	3,378	2	31,747	20,768	2,534	5	23,306	8,700	1,017	1	9,718
Mar-24	316,124	36,434	301	352,860	87,560	8,348	15	95,923	28,320	3,470	2	31,792	20,665	2,534	5	23,203	8,626	1,019	1	9,646
Apr-24	315,198	36,787	311	352,296	88,276	8,430	15	96,721	28,469	3,410	2	31,881	20,725	2,486	5	23,216	8,581	1,001	1	9,583
May-24	314,935	36,793	311	352,040	87,922	8,414	15	96,351	28,377	3,412	2	31,791	20,599	2,453	5	23,057	8,523	1,001	1	9,525
Jun-24	314,538	36,924	305	351,767	87,565	8,425	15	96,004	28,105	3,402	2	31,509	20,366	2,442	5	22,813	8,503	989	1	9,492
Jul-24	316,679	36,969	310	353,958	87,652	8,344	15	96,011	28,061	3,426	2	31,489	20,250	2,442	5	22,696	8,369	998	1	9,368
Aug-24	316,624	36,936	311	353,872	87,223	8,337	14	95,574	28,043	3,406	2	31,451	20,100	2,436	5	22,541	8,322	1,001	1	9,325
Sep-24	318,014	36,943	306	355,262	87,046	8,333	15	95,394	27,834	3,408	2	31,244	20,143	2,446	5	22,594	8,319	997	10	9,325
Oct-24	319,254	37,076	311	356,641	87,678	8,344	15	96,037	28,327	3,420	2	31,750	20,502	2,467	5	22,974	8,483	1,005	7	9,495
Nov-24	321,182	36,984	311	358,477	88,712	8,442	15	97,170	28,670	3,474	2	32,146	20,754	2,509	5	23,268	8,575	998	5	9,578
Dec-24	322,594	37,123	313	360,030	89,306	8,500	15	97,821	28,837	3,484	2	32,323	21,034	2,539	5	23,578	8,653	1,045	1	9,698
Jan-25	325,359	37,437	302	363,098	90,608	8,492	15	99,115	29,302	3,452	2	32,756	21,205	2,530	5	23,740	8,894	1,026	1	9,922
Feb-25	325,375	37,456	309	363,140	90,384	8,529	15	98,928	29,353	3,450	2	32,805	21,260	2,584	5	23,849	8,865	1,025	1	9,891
Mar-25	325,170	37,460	306	362,936	90,173	8,465	15	98,654	29,305	3,543	2	32,850	21,156	2,584	5	23,745	8,790	1,026	1	9,817
Apr-25	324,224	37,820	316	362,360	90,906	8,548	15	99,470	29,458	3,482	2	32,942	21,217	2,536	5	23,757	8,744	1,009	1	9,754
May-25	323,956	37,826	316	362,098	90,543	8,532	15	99,091	29,364	3,484	2	32,850	21,088	2,503	5	23,596	8,686	1,009	1	9,695
Jun-25	323,549	37,960	309	361,819	90,178	8,543	15	98,736	29,085	3,474	2	32,561	20,851	2,491	5	23,347	8,665	996	1	9,662
Jul-25	325,738	38,006	314	364,058	90,268	8,462	15	98,744	29,039	3,499	2	32,540	20,733	2,491	5	23,229	8,530	1,005	1	9,536
Aug-25	325,681	37,973	316	363,970	89,828	8,454	15	98,298	29,020	3,478	2	32,500	20,581	2,485	5	23,071	8,482	1,009	1	9,492
Sep-25	327,101	37,979	311	365,391	89,647	8,451	15	98,113	28,805	3,480	2	32,288	20,624	2,495	5	23,124	8,479	1,004	10	9,493
Oct-25	328,368	38,115	316	366,799	90,294	8,462	15	98,771	29,313	3,492	2	32,808	20,990	2,516	5	23,511	8,645	1,012	7	9,664
Nov-25	330,338	38,021	316	368,675	91,352	8,561	15	99,928	29,665	3,547	2	33,214	21,246	2,559	5	23,810	8,739	1,005	5	9,749
Dec-25	331,781	38,163	318	370,262	91,959	8,619	16	100,594	29,837	3,557	2	33,396	21,531	2,590	5	24,126	8,817	1,052	1	9,870
Jan-26	334,409	38,462	305	373,176	93,067	8,610	16	101,692	30,288	3,524	2	33,813	21,697	2,579	5	24,281	9,060	1,034	1	10,095
Feb-26	334,426	38,481	312	373,219	92,838	8,647	16	101,501	30,340	3,521	2	33,864	21,753	2,635	5	24,392	9,030	1,032	1	10,063
Mar-26	334,216	38,485	309	373,010	92,623	8,583	16	101,222	30,290	3,616	2	33,909	21,646	2,635	5	24,286	8,954	1,034	1	9,989
Apr-26	333,250	38,853	319	372,422	93,372	8,667	16	102,054	30,448	3,554	2	34,004	21,709	2,585	5	24,299	8,908	1,016	1	9,925
May-26	332,976	38,859	319	372,154	93,001	8,651	16	101,667	30,351	3,557	2	33,910	21,578	2,552	5	24,135	8,848	1,016	1	9,865
Jun-26	332,561	38,996	312	371,869	92,628	8,661	15	101,305	30,064	3,546	2	33,612	21,337	2,540	5	23,882	8,828	1,003	1	9,832
Jul-26	334,796	39,043	317	374,156	92,719	8,579	15	101,314	30,017	3,571	2	33,590	21,216	2,540	5	23,761	8,691	1,013	1	9,704
Aug-26	334,738	39,009	319	374,066	92,271	8,572	15	100,858	29,998	3,550	2	33,550	21,061	2,534	5	23,601	8,642	1,016	1	9,659
Sep-26	336,188	39,015	314	375,517	92,086	8,568	15	100,669	29,777	3,552	2	33,331	21,106	2,544	5	23,655	8,639	1,011	10	9,660
Oct-26	337,482	39,154	319	376,956	92,747	8,579	15	101,341	30,299	3,565	2	33,865	21,477	2,566	5	24,048	8,807	1,019	7	9,834
Nov-26	339,495	39,058	319	378,872	93,827	8,679	16	102,522	30,660	3,621	2	34,283	21,739	2,609	5	24,353	8,902	1,013	5	9,920
Dec-26	340,968	39,203	321	380,493	94,447	8,739	16	103,202	30,837	3,631	2	34,470	22,028	2,640	5	24,674	8,982	1,060	1	10,043
Jan-27	343,308	39,487	310	383,105	95,526	8,727	16	104,270	31,273	3,595	2	34,870	22,188	2,629	5	24,822	9,225	1,041	1	10,268
Feb-27	343,326	39,506	317	383,149	95,293	8,765	16	104,074	31,327	3,593	2	34,922	22,245	2,685	5	24,935	9,195	1,040	1	10,236
Mar-27	343,112	39,511	313	382,936	95,073	8,700	16	103,789	31,276	3,690	2	34,967	22,137	2,685	5	24,827	9,118	1,041	1	10,160
Apr-27	342,125	39,886	324	382,335	95,837	8,785	16	104,638	31,437	3,627	2	35,066	22,200	2,635	5	24,841	9,071	1,023	1	10,096
May-27	341,846	39,892	324	382,062	95,459	8,769	16	104,244	31,338	3,629	2	34,969	22,068	2,601	5	24,674	9,011	1,023	1	10,035
Jun-27	341,423	40,032	317	381,771	95,078	8,780	16	103,873	31,043	3,618	2	34,664	21,822	2,589	5	24,416	8,990	1,010	1	10,002
Jul-27	343,703	40,080	322	384,105	95,171	8,697	16	103,884	30,995	3,643	2	34,641	21,699	2,589	5	24,294	8,851	1,020	1	9,872
Aug-27	343,645	40,045	324	384,013	94,713	8,689	16	103,418	30,975	3,622	2	34,600	21,542	2,583	5	24,130	8,802	1,023	1	9,827
Sep-27	345,124	40,052	318	385,494	94,524	8,686	16	103,226	30,749	3,625	2	34,375	21,587	2,593	5	24,185	8,799	1,019	10	9,827
Oct-27	346,445	40,193	324	386,962	95,199	8,697	16	103,912	31,284	3,637	2	34,923	21,965	2,615	5	24,585	8,970	1,027	7	10,003

Appendix 3.2 - Customer Forecast - Number by Region
High Growth

	WA/ID				Medford				Roseburg				Klamath Falls				La Grande			
	WA/ID Res	WA/ID Com	WA/ID Firm Ind	WA/ID Total	MFR Res	MFR Com	MFR Firm Ind	MFR Total	ROS Res	ROS Com	ROS Firm Ind	ROS Total	KLA Res	KLA Com	KLA Firm Ind	KLA Total	LGD Res	LGD Com	LGD Firm Ind	LGD Total
Nov-27	348,499	40,095	324	388,918	96,302	8,798	16	105,116	31,656	3,694	2	35,351	22,231	2,659	5	24,895	9,066	1,020	5	10,091
Dec-27	350,002	40,244	326	390,572	96,935	8,858	16	105,809	31,837	3,704	2	35,543	22,526	2,691	5	25,222	9,146	1,067	1	10,215
Jan-28	352,208	40,512	313	393,032	97,985	8,845	16	106,847	32,258	3,667	2	35,927	22,680	2,679	5	25,364	9,391	1,049	1	10,441
Feb-28	352,226	40,532	320	393,077	97,747	8,884	16	106,647	32,313	3,665	2	35,980	22,738	2,736	5	25,478	9,360	1,047	1	10,409
Mar-28	352,008	40,536	316	392,860	97,523	8,818	16	106,357	32,261	3,763	2	36,026	22,628	2,736	5	25,368	9,282	1,049	1	10,332
Apr-28	351,001	40,919	327	392,247	98,303	8,904	16	107,223	32,427	3,699	2	36,128	22,692	2,685	5	25,382	9,235	1,031	1	10,266
May-28	350,716	40,926	327	391,969	97,916	8,887	16	106,820	32,325	3,701	2	36,028	22,557	2,651	5	25,213	9,174	1,031	1	10,205
Jun-28	350,284	41,068	320	391,672	97,528	8,898	16	106,442	32,023	3,690	2	35,715	22,308	2,638	5	24,951	9,153	1,018	1	10,171
Jul-28	352,611	41,117	325	394,053	97,623	8,814	16	106,453	31,973	3,716	2	35,691	22,183	2,638	5	24,826	9,012	1,027	1	10,040
Aug-28	352,551	41,081	327	393,959	97,156	8,807	16	105,979	31,953	3,695	2	35,649	22,023	2,632	5	24,660	8,962	1,031	1	9,994
Sep-28	354,060	41,088	321	395,470	96,963	8,803	16	105,782	31,720	3,697	2	35,419	22,068	2,642	5	24,716	8,958	1,026	10	9,994
Oct-28	355,407	41,233	327	396,967	97,652	8,814	16	106,482	32,270	3,710	2	35,981	22,453	2,665	5	25,123	9,132	1,034	7	10,173
Nov-28	357,502	41,133	327	398,962	98,777	8,917	16	107,710	32,651	3,767	2	36,420	22,723	2,709	5	25,438	9,229	1,027	5	10,261
Dec-28	359,036	41,284	329	400,649	99,423	8,977	17	108,416	32,837	3,778	2	36,617	23,023	2,742	5	25,769	9,311	1,075	1	10,387
Jan-29	360,957	41,499	317	402,773	100,445	8,963	17	109,424	33,243	3,757	2	37,002	23,171	2,729	5	25,905	9,557	1,056	1	10,614
Feb-29	360,975	41,519	324	402,818	100,201	9,002	17	109,220	33,300	3,754	2	37,057	23,230	2,786	5	26,021	9,526	1,055	1	10,581
Mar-29	360,752	41,524	321	402,597	99,973	8,935	17	108,925	33,246	3,854	2	37,103	23,118	2,786	5	25,909	9,447	1,056	1	10,504
Apr-29	359,727	41,914	331	401,972	100,768	9,022	17	109,807	33,416	3,789	2	37,208	23,184	2,735	5	25,924	9,398	1,038	1	10,437
May-29	359,436	41,921	331	401,688	100,374	9,006	17	109,396	33,312	3,791	2	37,105	23,047	2,700	5	25,751	9,336	1,038	1	10,376
Jun-29	358,996	42,066	324	401,386	99,978	9,017	16	109,011	33,002	3,780	2	36,784	22,793	2,687	5	25,485	9,315	1,025	1	10,341
Jul-29	361,368	42,116	330	403,813	100,075	8,932	16	109,023	32,951	3,806	2	36,760	22,666	2,687	5	25,359	9,172	1,035	1	10,208
Aug-29	361,306	42,080	331	403,717	99,599	8,924	16	108,539	32,930	3,785	2	36,717	22,503	2,681	5	25,190	9,122	1,038	1	10,161
Sep-29	362,845	42,086	326	405,257	99,402	8,921	16	108,339	32,692	3,787	2	36,481	22,550	2,692	5	25,246	9,118	1,033	10	10,162
Oct-29	364,218	42,234	331	406,783	100,104	8,932	17	109,053	33,255	3,800	2	37,057	22,941	2,714	5	25,660	9,294	1,041	7	10,342
Nov-29	366,354	42,132	331	408,817	101,252	9,035	17	110,304	33,646	3,859	2	37,507	23,216	2,759	5	25,980	9,392	1,035	5	10,432
Dec-29	367,918	42,286	333	410,537	101,911	9,096	17	111,024	33,837	3,869	2	37,708	23,520	2,792	5	26,317	9,475	1,082	1	10,559

APPENDIX 3.3

DEMAND COEFFICIENTS

Appendix 3.3 - Demand Coefficients

HEAT COEFFICIENTS

	January	February	March	April	May	June	July	August	September	October	November	December
WA/ID Res	0.010161	0.009844	0.009304	0.007734	0.005345	0.004028	0.000608	0.000922	0.002525	0.006699	0.009053	0.010008
WA/ID Com	0.053275	0.051052	0.045140	0.036351	0.022150	0.018202	0.000792	0.009813	0.024243	0.037242	0.044417	0.049912
WA/ID Ind	0.029537	0.022645	0.014240	0.006666	0.000440	0.000647	0.000103	0.000655	0.005619	0.024302	0.017250	0.030898
Rose Res	0.011740	0.012002	0.010662	0.008797	0.006684	0.006365	0.002005	0.000131	0.002339	0.006930	0.009309	0.010696
Rose Com	0.051194	0.046536	0.042102	0.034251	0.026890	0.012130	0.006173	0.005015	0.022451	0.042320	0.041711	0.044943
Rose Ind	0.143683	0.382986	0.454116	6.433516	0.073323	0.733043	0.001168	0.620961	0.871054	0.581124	0.430739	0.171302
Medford Res	0.0117059	0.0112635	0.0103266	0.0089624	0.0065806	0.0049395	0.0000000	0.0015629	0.0035456	0.0067777	0.0094898	0.0109030
Medford Com	0.0463831	0.0444072	0.0407981	0.0333211	0.0215413	0.0187994	0.0000000	0.0128279	0.0246833	0.0412677	0.0407016	0.0434298
Medford Ind	0.0077249	0.0218908	0.0155278	0.0089999	0.0020867	0.0000000	0.0000000	0.0000000	0.0000156	0.0050760	0.3650654	0.0194449
LaGrande Res	0.0100328	0.0094154	0.0087315	0.0076290	0.0052489	0.0048472	0.0022910	0.0118836	0.0011452	0.0038170	0.0087451	0.0094379
LaGrande Com	0.0440837	0.0420294	0.0369415	0.0305153	0.0198406	0.0170519	0.0106129	0.0799977	0.0106923	0.0192863	0.0356774	0.0398303
LaGrande Ind	0.0000000	0.0000000	0.0000000	0.0000000	0.0026585	0.0338869	0.4529151	2.2414711	5.5710995	4.7131820	0.0000000	0.0000000
Klamath Res	0.007863	0.007266	0.007048	0.006408	0.004342	0.003034	0.000667	0.000485	0.002265	0.004698	0.007090	0.007764
Klamath Com	0.033613	0.030405	0.027491	0.022579	0.012706	0.006995	0.002275	0.007427	0.016473	0.029815	0.029336	0.032226
Klamath Ind	0.0000000	0.0000000	0.0000000	0.0000000	0.000056	0.0000000	0.0000000	0.0000000	0.0009360	0.0012714	0.0000000	0.0000000

BASE COEFFICIENTS

WA/ID Res	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042	0.056042
WA/ID Com	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928	0.369928
WA/ID Ind	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256	3.898256
Rose Res	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292	0.054292
Rose Com	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630	0.370630
Rose Ind	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757	13.780757
Medford Res	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520	0.048520
Medford Com	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742	0.343742
Medford Ind	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195	1.613195
LaGrande Res	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597	0.057597
LaGrande Com	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762	0.247762
LaGrande Ind	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906	9.582906
Klamath Res	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256	0.043256
Klamath Com	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197	0.336197
Klamath Ind	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359	3.515359

Appendix 3.3 - WA/ID Base Coeffcient Calculation

Average Actual Demand by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Demand	11,098	10,607	10,852
	Average of Com Demand	7,729	8,406	8,067
	Average of Ind Demand	991	1,001	996
2006	Average of Res Demand	9,988	10,513	10,250
	Average of Com Demand	6,956	8,331	7,643
	Average of Ind Demand	892	992	942
2007	Average of Res Demand	10,032	10,433	10,232
	Average of Com Demand	6,987	8,267	7,627
	Average of Ind Demand	896	984	940
2008	Average of Res Demand	10,684	10,495	10,590
	Average of Com Demand	7,441	8,317	7,879
	Average of Ind Demand	954	990	972
Total Average of Res Demand		10,450	10,512	10,481
Total Average of Com Demand		7,278	8,330	7,804
Total Average of Ind Demand		933	992	962

Average Actual Customer Count by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Cust	179,140	179,447	179,294
	Average of Com Cust	20,450	20,427	20,439
	Average of Ind Cust	263	260	262
2006	Average of Res Cust	185,182	185,455	185,319
	Average of Com Cust	20,748	20,856	20,802
	Average of Ind Cust	246	242	244
2007	Average of Res Cust	189,577	190,087	189,832
	Average of Com Cust	21,291	21,336	21,314
	Average of Ind Cust	244	241	243
2008	Average of Res Cust	193,667	193,643	193,655
	Average of Com Cust	21,847	21,815	21,831
	Average of Ind Cust	239	240	240
Total Average of Res Cust		186,892	187,158	187,025
Total Average of Com Cust		21,084	21,109	21,096
Total Average of Ind Cust		248	246	247

Base Coefficients

(Actual Average Demand/Customer Count)

0.056042	Res Base Usage
0.369928	Com Base Usage
3.898256	Ind Base Usage

Appendix 3.3 - WA/ID Regression Stats

WA/ID Residential

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.998398723	0.995750934	0.994490863	0.983623734	0.969333647	0.939778657	0.335222502	0.752299466	0.941398214	0.986521604	0.995938325	0.997695538
R Square	0.99680001	0.991519923	0.989012077	0.967515651	0.93960772	0.883183924	0.112374126	0.565954486	0.886230597	0.973224875	0.991893148	0.995396386
Adjusted R S	0.985930445	0.979615161	0.978142511	0.956279696	0.928738154	0.871947969	0.101504561	0.555084921	0.874994642	0.962355309	0.980657192	0.98452682
Standard Erro	0.022033904	0.030732888	0.026342574	0.030074362	0.016078288	0.010418248	0.00185167	0.002476787	0.007801887	0.021630349	0.024635913	0.027253246
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.010161371	0.009844216	0.009304356	0.007733501	0.005344796	0.004028185	0.000608084	0.000921821	0.002524987	0.006699091	0.00905327	0.010007757

WA/ID Commercial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.998205563	0.995422216	0.993514039	0.978724692	0.946895526	0.915462071	0.259337381	0.742496607	0.948760581	0.983665598	0.994646858	0.997342233
R Square	0.996414345	0.990865388	0.987070146	0.957902023	0.896611138	0.838070803	0.067255877	0.551301212	0.900146641	0.967598008	0.989322371	0.99469153
Adjusted R S	0.98554478	0.978960626	0.976200581	0.946666068	0.885741572	0.826834848	0.056386312	0.540431646	0.888910686	0.956728443	0.978086416	0.983821964
Standard Erro	0.122309206	0.165472366	0.138772667	0.161734208	0.089249524	0.056897097	0.003194496	0.027159875	0.069633124	0.132664609	0.138894328	0.146007905
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.053275318	0.051052228	0.045140487	0.036351273	0.022150311	0.01820155	0.000791714	0.009812502	0.024243202	0.037241593	0.044416725	0.049912097

WA/ID Industrial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.983068858	0.98946309	0.970782442	0.864451536	0.542191066	0.654513296	0.474285435	0.900826006	0.958139923	0.979266163	0.973451995	0.987504551
R Square	0.96642438	0.979037207	0.942418549	0.747276459	0.293971152	0.428387654	0.224946674	0.811487493	0.918032112	0.958962219	0.947608786	0.975165238
Adjusted R S	0.955554815	0.967132446	0.931548984	0.736040504	0.283101587	0.417151699	0.214077108	0.800617928	0.906796157	0.948092653	0.936372831	0.964295673
Standard Erro	7.01262933	4.887622022	6.445493864	10.66927823	9.970168364	5.376631886	0.953858066	1.332094749	2.469011204	3.943486882	6.889674699	6.310446154
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.029537303	0.022644728	0.014240273	0.006666253	0.000440254	0.000647201	0.000103312	0.000654992	0.005618723	0.02430201	0.017250182	0.030898324

Appendix 3.3 - Medford Base Coeffcient Calculation

Average Actual Demand by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Demand	2,422	2,367	2,395
	Average of Com Demand	2,136	2,219	2,178
	Average of Ind Demand	8	7	8
2006	Average of Res Demand	2,245	2,306	2,276
	Average of Com Demand	1,979	2,163	2,071
	Average of Ind Demand	8	7	7
2007	Average of Res Demand	2,319	2,285	2,302
	Average of Com Demand	2,044	2,142	2,093
	Average of Ind Demand	8	7	7
2008	Average of Res Demand	2,300	2,688	2,494
	Average of Com Demand	2,027	2,520	2,274
	Average of Ind Demand	8	8	8
Total Average of Res Demand		2,321	2,412	2,366
Total Average of Com Demand		2,047	2,261	2,154
Total Average of Ind Demand		8	7	8

Average Actual Customer Count by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Customer	47,286	47,191	47,239
	Average of Com Customer	6,085	6,094	6,090
	Average of Ind Customer	-	-	-
2006	Average of Res Customer	48,666	48,531	48,599
	Average of Com Customer	6,225	6,229	6,227
	Average of Ind Customer	-	-	-
2007	Average of Res Customer	49,448	49,391	49,420
	Average of Com Customer	6,356	6,352	6,354
	Average of Ind Customer	9	9	9
2008	Average of Res Customer	49,930	49,734	49,832
	Average of Com Customer	6,395	6,391	6,393
	Average of Ind Customer	10	10	10
Total Average of Res Customer		48,833	48,712	48,772
Total Average of Com Customer		6,265	6,267	6,266
Total Average of Ind Customer		5	5	5

Base Coefficients

(Actual Average Demand/Customer Count)

0.04852	Res Base Usage
0.343742	Com Base Usage
1.613195	Ind Base Usage

Appendix 3.3 - Medford Regression Stats

Medford Residential

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.997134455	0.9956274	0.991885136	0.992020827	0.971083997	0.951603992	1	0.932017098	0.93846896	0.979085299	0.994286808	0.997032867
R Square	0.994277122	0.991273919	0.983836123	0.98410532	0.943004129	0.905550157	1	0.86865587	0.880723988	0.958608022	0.988606256	0.994074538
Adjusted R S	0.983407557	0.979369158	0.972966558	0.972869365	0.932134564	0.894314202	0.978494624	0.857786305	0.869488033	0.947738457	0.977370301	0.983204972
Standard Erro	0.024793168	0.024268254	0.02636742	0.016960252	0.011758493	0.005471504	0	0.000510824	0.005468033	0.016468298	0.021179782	0.023241593
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.011705871	0.011263499	0.010326571	0.008962427	0.006580555	0.004939512	0	0.001562886	0.003545602	0.006777695	0.009489786	0.010903024

Medford Commercial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.996784908	0.994461134	0.987386868	0.987224704	0.947022126	0.949396645	1	0.917991079	0.937475383	0.977343321	0.991152773	0.996731693
R Square	0.993580153	0.988952947	0.974932828	0.974612616	0.896850908	0.901353989	1	0.842707622	0.878860094	0.955199968	0.982383819	0.993474067
Adjusted R S	0.982710588	0.977048185	0.964063262	0.963376661	0.885981343	0.890118034	0.978494624	0.831838057	0.867624139	0.944330403	0.971147864	0.982604502
Standard Erro	0.104086797	0.107780652	0.130318333	0.080078125	0.05309695	0.0213312	0	0.004658366	0.038403579	0.104503728	0.11331058	0.097184676
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.046383127	0.044407158	0.040798114	0.033321104	0.021541343	0.018799439	0	0.012827896	0.024683314	0.041267734	0.040701618	0.043429764

Medford Industrial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.789420263	0.793717904	0.704505615	0.732204638	0.517931489	0	1	0	0.430000967	0.631909117	0.463225574	0.937903107
R Square	0.623184352	0.629988111	0.496328161	0.536123632	0.268253027	0	1	0	0.184900832	0.399309132	0.214577932	0.879662239
Adjusted R S	0.612314787	0.61808335	0.485458596	0.524887677	0.257383462	-0.011111111	0.978494624	-0.010752688	0.173664877	0.388439567	0.203341977	0.868792674
Standard Erro	17.13717432	13.96883719	14.1375431	10.1415113	6.21734101	3.410767265	0	0.836017184	3.783464912	9.062638562	18.42447239	9.577855007
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.00772489	0.021890782	0.015527802	0.008999948	0.002086688	0	0	0	1.56271E-05	0.005075985	0.365065388	0.01944488

Appendix 3.3 - Roseburg Base Coeffcient Calculation

Average Actual Demand by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Demand	859	849	854
	Average of Com Demand	910	1,040	975
	Average of Ind Demand	32	46	39
2006	Average of Res Demand	702	611	657
	Average of Com Demand	744	748	746
	Average of Ind Demand	26	33	29
2007	Average of Res Demand	634	619	627
	Average of Com Demand	672	757	715
	Average of Ind Demand	24	33	28
2008	Average of Res Demand	632	585	609
	Average of Com Demand	670	716	693
	Average of Ind Demand	23	31	27
Total Average of Res Demand		707	666	686
Total Average of Com Demand		749	815	782
Total Average of Ind Demand		26	36	31

Average Actual Customer Count by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Customer	12,311	12,257	12,284
	Average of Com Customer	2,093	2,093	2,093
	Average of Ind Customer	2	2	2
2006	Average of Res Customer	12,570	12,511	12,541
	Average of Com Customer	2,128	2,112	2,120
	Average of Ind Customer	3	4	4
2007	Average of Res Customer	12,900	12,777	12,839
	Average of Com Customer	2,126	2,105	2,116
	Average of Ind Customer	2	1	2
2008	Average of Res Customer	12,942	12,885	12,914
	Average of Com Customer	2,116	2,106	2,111
	Average of Ind Customer	2	2	2
Total Average of Res Customer		12,681	12,608	12,644
Total Average of Com Customer		2,116	2,104	2,110
Total Average of Ind Customer		2	2	2

Base Coefficients

(Actual Average Demand/Customer Count)

0.054292	Res Base Usage
0.37063	Com Base Usage
13.78076	Ind Base Usage

Appendix 3.3 - Roseburg Regression Stats

Roseburg Residential

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.991367883	0.990994199	0.988973116	0.982896977	0.964808013	0.913479404	0.901282988	0.442373441	0.903573229	0.97329924	0.991649071	0.99351331
R Square	0.98281028	0.982069503	0.978067824	0.966086467	0.930854503	0.834444621	0.812311025	0.195694261	0.81644458	0.94731141	0.98336788	0.987068697
Adjusted R S	0.971940714	0.970164741	0.967198258	0.954850512	0.919984938	0.823208666	0.80144146	0.184824696	0.805208625	0.936441844	0.972131925	0.976199132
Standard Erro	0.040415547	0.034729716	0.029928677	0.024955649	0.015657803	0.013462314	0.00093196	0.000307506	0.004773063	0.019669774	0.023163079	0.02976046
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.011739765	0.012002059	0.01066242	0.008796645	0.006684316	0.006364556	0.002005321	0.000131182	0.00233934	0.006930492	0.009308506	0.01069573

Roseburg Commercial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.992265812	0.991074226	0.986097496	0.976906522	0.949873574	0.853735613	0.813329036	0.726798867	0.929317717	0.971654909	0.988621839	0.992886275
R Square	0.984591442	0.982228121	0.972388271	0.954346353	0.902259807	0.728864497	0.661504121	0.528236593	0.863631418	0.944113263	0.977373141	0.985823155
Adjusted R S	0.973721876	0.970323359	0.961518706	0.943110398	0.891390241	0.717628542	0.650634556	0.517367028	0.852395463	0.933243697	0.966137186	0.97495359
Standard Erro	0.166708416	0.134049982	0.132985425	0.113430363	0.076067558	0.035131124	0.004269241	0.005480161	0.03838982	0.123910636	0.121433297	0.131017601
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.051193529	0.046535659	0.042101905	0.034250846	0.026890317	0.012129519	0.006172839	0.005015183	0.022451199	0.042319727	0.041711454	0.044942538

Roseburg Industrial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.918530171	0.963015396	0.954353828	0.735987825	0.711794929	0.411154682	0.431331093	0.174892794	0.464784791	0.902308321	0.968157638	0.923289039
R Square	0.843697675	0.927398653	0.910791228	0.541678078	0.506652021	0.169048172	0.186046512	0.030587489	0.216024902	0.814160306	0.937329213	0.852462649
Adjusted R S	0.83282811	0.915493891	0.899921663	0.530442123	0.495782455	0.157812217	0.175176946	0.019717924	0.204788947	0.803290741	0.926093258	0.841593084
Standard Erro	10.29134657	5.770224964	5.59859604	10.25082009	6.036836982	4.328790887	0.872278376	1.138447354	3.810085613	5.187912461	4.789973446	9.337545902
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.14368321	0.382986079	0.454116065	6.43351624	0.073323445	0.733042531	0.001168185	0.62096138	0.871053897	0.581124251	0.430738696	0.171301851

Appendix 3.3 - Klamath Falls Base Coeffcient Calculation

Average Actual Demand by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Demand	752	674	713
	Average of Com Demand	632	682	657
	Average of Ind Demand	9	12	11
2006	Average of Res Demand	541	533	537
	Average of Com Demand	455	539	497
	Average of Ind Demand	7	10	8
2007	Average of Res Demand	576	540	558
	Average of Com Demand	484	547	515
	Average of Ind Demand	7	10	8
2008	Average of Res Demand	494	508	501
	Average of Com Demand	416	514	465
	Average of Ind Demand	6	9	8
Total Average of Res Demand		591	564	577
Total Average of Com Demand		497	570	534
Total Average of Ind Demand		7	10	9

Average Actual Customer Count by Class

		Month		
Year	Data	7	8	Grand Total
2005	Average of Res Customer	12,977	12,855	12,916
	Average of Com Customer	1,576	1,566	1,571
	Average of Ind Customer	-	-	-
2006	Average of Res Customer	13,240	13,135	13,188
	Average of Com Customer	1,582	1,576	1,579
	Average of Ind Customer	-	-	-
2007	Average of Res Customer	13,675	13,610	13,643
	Average of Com Customer	1,605	1,598	1,602
	Average of Ind Customer	5	5	5
2008	Average of Res Customer	13,703	13,576	13,640
	Average of Com Customer	1,603	1,590	1,597
	Average of Ind Customer	5	5	5
Total Average of Res Customer		13,399	13,294	13,346
Total Average of Com Customer		1,592	1,583	1,587
Total Average of Ind Customer		3	3	3

Base Coefficients

(Actual Average Demand/Customer Count)

0.043256	Res Base Usage
0.336197	Com Base Usage
3.515359	Ind Base Usage

Appendix 3.3 - Klamath Falls Regression Stats

Klamath Falls Residential

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.993062364	0.994783204	0.992335858	0.984431794	0.90204138	0.943498977	0.579473888	0.590914942	0.905460706	0.981467019	0.993478035	0.99483772
R Square	0.986172859	0.989593624	0.984730455	0.969105957	0.813678651	0.89019032	0.335789987	0.349180469	0.81985909	0.963277509	0.986998606	0.98970209
Adjusted R S	0.975303294	0.977688862	0.97386089	0.957870002	0.802809086	0.878954365	0.324920421	0.338310903	0.808623135	0.952407944	0.975762651	0.978832524
Standard Erro	0.035652592	0.02567037	0.02588898	0.027423238	0.030798103	0.00980396	0.001655684	0.002471344	0.011285938	0.018299672	0.022703065	0.030326521
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.007863049	0.007265615	0.007048129	0.006407522	0.004341971	0.003034126	0.000666518	0.000484551	0.002265305	0.004697918	0.007089624	0.007764077

Klamath Falls Commercial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.99126788	0.993538491	0.987434685	0.964267296	0.760031127	0.750273218	0.45023922	0.728985915	0.89961323	0.976689555	0.989089275	0.994348689
R Square	0.982612009	0.987118733	0.975027257	0.929811419	0.577647314	0.562909902	0.202715355	0.531420464	0.809303963	0.953922487	0.978297594	0.988729316
Adjusted R S	0.971742444	0.975213971	0.964157692	0.918575464	0.566777749	0.551673947	0.19184579	0.520550899	0.798068008	0.943052922	0.967061639	0.977859751
Standard Erro	0.171220984	0.119668112	0.129777997	0.148701981	0.161043709	0.05671166	0.0079703	0.026053637	0.084987919	0.130726554	0.121910441	0.131749433
Observations	93	85	93	90	93	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.033613433	0.030405028	0.027490939	0.022578968	0.012705896	0.006995477	0.002275434	0.007426894	0.016472813	0.029814558	0.029335794	0.032225664

Klamath Falls Industrial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0	0	0	0	0.190476487	0	0	0	0.390765841	0.358970161	0	0
R Square	0	0	0	0	0.036281292	0	0	0	0.152697943	0.128859576	0	0
Adjusted R S	-0.010752688	-0.011764706	-0.010752688	-0.011111111	0.025292281	-0.011111111	-0.010752688	-0.010752688	0.141461988	0.117990011	-0.011111111	-0.010752688
Standard Erro	38.0857832	34.25063331	29.33858702	23.83694611	14.5873647	9.148770409	1.756707575	1.756707575	9.783484642	18.62050906	27.74587056	38.0857832
Observations	93	85	93	90	92	90	93	93	90	93	90	93
Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0	0	0	0	5.5682E-05	0	0	0	0.000935955	0.00127142	0	0

Appendix 3.3 - LaGrande Base Coeffcient Calculation

Average Actual Demand by Class

		Month	
Year	Data	7	Grand Total
2005	Average of Res Demand	368	368
	Average of Com Demand	224	224
	Average of Ind Demand	17	17
2006	Average of Res Demand	360	360
	Average of Com Demand	219	219
	Average of Ind Demand	17	17
2007	Average of Res Demand	360	360
	Average of Com Demand	219	219
	Average of Ind Demand	17	17
2008	Average of Res Demand	365	365
	Average of Com Demand	222	222
	Average of Ind Demand	17	17
Total Average of Res Demand		364	364
Total Average of Com Demand		221	221
Total Average of Ind Demand		17	17

Average Actual Customer Count by Class

		Month	
Year	Data	7	Grand Total
2005	Average of Res Customers	6,475	6,475
	Average of Com Customers	949	949
	Average of Ind Customers	3	3
2006	Average of Res Customers	6,163	6,163
	Average of Com Customers	873	873
	Average of Ind Customers	2	2
2007	Average of Res Customers	6,259	6,259
	Average of Com Customers	868	868
	Average of Ind Customers	1	1
2008	Average of Res Customers	6,351	6,351
	Average of Com Customers	880	880
	Average of Ind Customers	1	1
Total Average of Res Customers		6,312	6,312
Total Average of Com Customers		893	893
Total Average of Ind Customers		2	2

Base Coefficients

(Actual Average Demand/Customer Count)

0.057597	Res Base Usage
0.247762	Com Base Usage
9.582906	Ind Base Usage

Appendix 3.3 - LaGrande Regression Stats

LaGrande Residential

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.994589872	0.994689217	0.983701811	0.976803952	0.909994946	0.914751317	0.818086637	0.708928486	0.583127441	0.957903564	0.985673476	0.996323896
R Square	0.989209014	0.989406639	0.967669253	0.954145961	0.828090802	0.836769971	0.669265746	0.502579598	0.340037612	0.917579238	0.971552202	0.992661306
Adjusted R S	0.978339449	0.977501877	0.956799688	0.942910006	0.817221237	0.825534016	0.658396181	0.491710033	0.328801657	0.906709672	0.960316247	0.98179174
Standard Erro	0.036928346	0.028857126	0.039769899	0.034178424	0.028547421	0.014599672	0.00143458	0.037345249	0.01428263	0.020632378	0.038187972	0.028290967
Observations	93	85	93	90	93	90	93	93	90	93	90	93

Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.010032753	0.00941539	0.008731541	0.007629031	0.005248865	0.004847228	0.002290957	0.011883615	0.001145173	0.003817002	0.008745128	0.009437935

LaGrande Commercial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0.9942758	0.994924902	0.983584571	0.97556244	0.8950851	0.889506261	0.850734185	0.735492775	0.705875052	0.965396013	0.985553463	0.99585588
R Square	0.988584366	0.98987556	0.967438609	0.951722075	0.801177337	0.791221388	0.723748654	0.540949622	0.498259589	0.931989462	0.971315628	0.991728934
Adjusted R S	0.9777148	0.977970798	0.956569043	0.94048612	0.790307772	0.779985433	0.712879089	0.530080057	0.487023634	0.921119897	0.960079673	0.980859369
Standard Erro	0.16694532	0.125902205	0.168878038	0.140455244	0.117981709	0.059733575	0.005840607	0.232786043	0.096056046	0.093964113	0.156460606	0.126811832
Observations	93	85	93	90	93	90	93	93	90	93	90	93

Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0.044083686	0.04202937	0.036941473	0.030515287	0.019840618	0.017051862	0.010612854	0.079997745	0.010692319	0.019286303	0.035677411	0.039830301

LaGrande Industrial

	January	February	March	April	May	June	July	August	September	October	November	December
Regression Statistics												
Multiple R	0	0	0	0	0.20961698	0.638087506	0.636751222	0.592660516	0.909857698	0.983767201	0	0
R Square	0	0	0	0	0.043939278	0.407155665	0.405452118	0.351246488	0.827841031	0.967797907	0	0
Adjusted R S	-0.010869565	-0.011764706	-0.010752688	-0.011111111	0.033069713	0.39591971	0.394582553	0.340376922	0.816605076	0.956928341	-0.011111111	-0.010752688
Standard Erro	35.04096981	29.44526328	24.78401323	20.32240143	11.67168629	5.250770625	0.686848469	2.544293966	3.714547661	3.236476622	25.37715508	34.67483361
Observations	92	85	93	90	93	90	93	93	90	93	90	93

Coefficients												
Intercept	0	0	0	0	0	0	0	0	0	0	0	0
X Variable 1	0	0	0	0	0.002658518	0.033886923	0.452915064	2.241471101	5.571099508	4.713182014	0	0

APPENDIX 3.4

HEATING DEGREE DAY (HDD) DATA

Appendix 3.4 - Heating Degree Day Data Monthly Totals

Temp Pattern	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
Klam Falls	2009	1042	935	772	593	393	169	36	48	188	487	825	1212	6700
Klam Falls	2010	1042	935	772	593	393	169	36	48	188	487	825	1212	6700
Klam Falls	2011	1042	935	772	593	393	169	36	48	188	487	825	1212	6700
Klam Falls	2012	1032	930	772	593	393	169	36	48	188	487	820	1202	6670
Klam Falls	2013	1015	923	762	586	393	169	36	48	188	486	809	1187	6602
Klam Falls	2014	1011	915	746	580	389	169	36	48	188	479	803	1187	6551
Klam Falls	2015	1011	912	745	578	386	169	36	48	187	475	799	1187	6533
Klam Falls	2016	1011	912	743	572	383	164	36	48	186	472	798	1186	6511
Klam Falls	2017	1006	909	742	571	378	161	36	48	186	470	794	1181	6482
Klam Falls	2018	1001	907	741	571	377	160	36	47	186	467	792	1177	6462
Klam Falls	2019	992	903	738	568	372	160	36	47	182	466	788	1169	6421
Klam Falls	2020	992	903	738	568	372	160	36	47	182	466	788	1169	6421
Klam Falls	2021	990	902	737	567	372	160	36	47	182	466	788	1169	6416
Klam Falls	2022	990	902	737	567	372	160	36	47	182	466	788	1169	6416
Klam Falls	2023	990	902	737	567	372	160	36	47	182	466	788	1169	6416
Klam Falls	2024	990	902	737	567	372	160	36	47	182	466	788	1169	6416
Klam Falls	2025	989	902	737	566	372	160	36	47	182	466	785	1167	6409
Klam Falls	2026	989	902	737	566	372	160	36	47	182	466	784	1167	6408
Klam Falls	2027	989	902	737	566	372	160	36	47	182	466	784	1167	6408
Klam Falls	2028	987	901	737	564	371	159	36	46	180	464	781	1166	6392
Klam Falls	2029	987	901	737	564	371	159	36	46	180	464			

Temp Pattern	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
LaGrande	2009	1019	969	712	511	343	145	29	37	122	484	775	1146	6292
LaGrande	2010	996	958	706	510	343	145	29	37	122	484	766	1127	6223
LaGrande	2011	985	946	682	492	335	144	29	37	120	464	745	1119	6098
LaGrande	2012	964	935	675	487	324	139	28	37	117	460	736	1101	6003
LaGrande	2013	948	924	663	474	320	136	27	36	115	447	722	1084	5896
LaGrande	2014	931	912	652	468	311	134	27	34	113	445	706	1070	5803
LaGrande	2015	914	902	635	454	307	129	26	33	111	431	693	1058	5693
LaGrande	2016	894	890	625	451	302	127	26	33	109	423	682	1039	5601
LaGrande	2017	877	880	616	438	295	124	25	31	107	420	666	1026	5505
LaGrande	2018	860	868	598	430	288	121	24	31	104	409	655	1010	5398
LaGrande	2019	841	854	587	419	284	119	24	30	100	399	640	995	5292
LaGrande	2020	838	853	586	419	283	119	24	30	100	399	637	993	5281
LaGrande	2021	836	852	580	418	281	119	24	30	99	395	633	991	5258
LaGrande	2022	832	852	579	418	281	119	24	30	99	395	632	985	5246
LaGrande	2023	830	852	578	418	281	119	24	30	99	395	630	984	5240
LaGrande	2024	828	846	576	415	279	118	23	30	97	392	627	982	5213
LaGrande	2025	823	845	576	415	277	116	23	30	96	391	626	981	5199
LaGrande	2026	820	842	571	411	275	116	23	30	96	389	622	978	5173
LaGrande	2027	816	840	571	411	275	116	23	30	96	389	621	974	5162
LaGrande	2028	812	840	571	411	275	116	23	30	96	389	621	971	5155
LaGrande	2029	806	833	566	406	274	116	23	30	95	385			

Temp Pattern	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
Medford	2009	823	667	560	394	220	58	7	7	68	316	622	966	4708
Medford	2010	792	646	536	379	218	58	7	7	68	308	622	966	4607
Medford	2011	768	633	533	377	218	58	7	7	68	308	611	944	4532
Medford	2012	761	627	514	367	216	58	7	7	68	303	596	940	4464
Medford	2013	758	623	507	361	212	58	7	7	68	293	591	938	4423
Medford	2014	745	619	505	358	207	56	7	7	67	287	587	925	4370
Medford	2015	736	610	502	355	204	56	7	7	66	287	581	917	4328
Medford	2016	726	607	490	351	199	56	7	7	65	282	570	912	4272
Medford	2017	716	605	486	344	197	53	7	7	65	280	561	900	4221
Medford	2018	711	595	482	339	195	53	7	7	62	278	556	893	4178
Medford	2019	696	588	474	333	195	53	7	7	62	270	551	888	4124
Medford	2020	694	586	471	333	195	53	7	7	62	270	545	882	4105
Medford	2021	694	586	471	333	195	53	7	7	62	270	545	882	4105
Medford	2022	688	585	465	328	191	50	7	6	59	268	544	878	4069
Medford	2023	686	584	465	328	191	50	7	6	59	268	543	874	4061
Medford	2024	686	583	461	327	189	50	7	6	59	267	538	872	4045
Medford	2025	685	580	461	327	187	50	7	6	59	266	537	871	4036
Medford	2026	683	576	459	322	187	50	7	6	59	265	533	868	4015
Medford	2027	683	576	459	322	187	50	7	6	59	265	533	868	4015
Medford	2028	677	575	458	322	187	50	7	6	59	265	530	867	4003
Medford	2029	673	574	454	319	185	49	7	6	58	262			

Appendix 3.4 - Heating Degree Day Data Monthly Totals

Temp Pattern	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
Roseburg	2009	677	623	491	354	219	79	13	6	66	275	501	831	4135
Roseburg	2010	677	623	491	354	219	79	13	6	66	275	501	830	4134
Roseburg	2011	660	611	483	353	219	79	13	6	66	274	497	817	4078
Roseburg	2012	650	604	471	344	214	79	13	6	66	264	476	808	3995
Roseburg	2013	646	601	464	337	210	79	13	6	66	263	472	802	3959
Roseburg	2014	634	593	460	332	206	78	13	6	64	262	470	795	3913
Roseburg	2015	630	588	452	327	203	77	13	6	64	255	467	788	3870
Roseburg	2016	617	586	450	322	201	76	13	6	62	253	460	779	3825
Roseburg	2017	609	580	443	322	201	76	13	6	62	249	454	772	3787
Roseburg	2018	604	571	437	315	194	72	12	6	58	242	443	765	3719
Roseburg	2019	596	569	430	309	193	72	12	6	58	240	439	762	3686
Roseburg	2020	586	565	428	305	189	69	11	6	57	239	435	756	3646
Roseburg	2021	583	563	425	303	189	69	11	6	57	238	434	750	3628
Roseburg	2022	579	557	421	303	188	69	11	6	57	237	429	747	3604
Roseburg	2023	577	556	420	303	188	69	11	6	57	236	427	743	3593
Roseburg	2024	575	552	417	300	186	69	11	6	56	236	426	740	3574
Roseburg	2025	569	551	411	300	186	69	11	6	56	232	422	736	3549
Roseburg	2026	566	551	411	300	186	69	11	6	56	232	422	733	3543
Roseburg	2027	560	546	406	295	179	62	10	5	54	228	416	729	3490
Roseburg	2028	556	543	404	293	179	62	10	5	54	228	412	728	3474
Roseburg	2029	553	538	401	290	176	62	10	5	54	227			

Temp Pattern	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
WA/ID	2009	1128	1155	761	548	317	145	35	34	187	541	886	1184	6921
WA/ID	2010	1128	1155	761	548	317	145	35	34	187	541	886	1184	6921
WA/ID	2011	1111	1143	760	548	317	145	35	34	187	541	875	1167	6863
WA/ID	2012	1097	1134	734	536	317	145	35	34	187	531	856	1158	6764
WA/ID	2013	1092	1126	730	527	313	145	35	34	185	525	856	1156	6724
WA/ID	2014	1081	1123	730	525	303	144	35	34	180	518	855	1150	6678
WA/ID	2015	1078	1118	729	522	301	142	35	34	178	516	845	1141	6639
WA/ID	2016	1071	1106	719	518	296	141	34	34	175	507	835	1131	6567
WA/ID	2017	1051	1102	712	515	296	137	34	34	173	506	829	1126	6515
WA/ID	2018	1044	1098	703	506	295	134	32	34	173	501	820	1120	6460
WA/ID	2019	1040	1092	700	500	295	134	32	34	173	499	815	1113	6427
WA/ID	2020	1035	1088	700	500	295	134	32	34	173	499	815	1109	6414
WA/ID	2021	1035	1085	697	499	293	130	32	32	171	494	812	1106	6386
WA/ID	2022	1028	1084	695	496	292	130	32	32	171	492	810	1101	6363
WA/ID	2023	1025	1082	692	495	292	130	32	32	171	490	808	1101	6350
WA/ID	2024	1023	1078	688	495	291	130	32	32	170	489	804	1098	6330
WA/ID	2025	1017	1074	685	495	291	130	32	32	170	489	798	1097	6310
WA/ID	2026	1016	1074	685	495	291	130	32	32	170	489	797	1094	6305
WA/ID	2027	1014	1072	682	492	286	129	31	31	168	484	793	1093	6275
WA/ID	2028	1006	1069	681	492	286	129	31	31	168	484	792	1091	6260
WA/ID	2029	1005	1067	680	491	281	129	31	31	166	482			

Appendix 3.4 - Heating Degree Days by Day (Includes Peak Weather Event and Additional Winter Storm)

Temperature Pattern	Day	January	February	March	April	May	June	July	August	September	October	November	December
Klamath Falls	1	29	32	26	30	11	0	9	0	3	7	30	29
Klamath Falls	2	33	39	22	31	8	0	2	0	5	8	21	29
Klamath Falls	3	33	44	19	27	4	0	0	0	6	7	20	31
Klamath Falls	4	33	43	13	25	4	0	0	0	7	6	19	31
Klamath Falls	5	23	36	18	23	6	0	0	0	7	7	15	29
Klamath Falls	6	22	41	27	20	12	0	1	0	10	9	10	35
Klamath Falls	7	28	34	22	23	14	1	2	0	10	14	10	39
Klamath Falls	8	31	30	22	29	15	4	0	0	8	27	23	38
Klamath Falls	9	32	35	24	33	23	15	0	0	1	25	31	42
Klamath Falls	10	25	40	23	29	20	17	0	0	1	23	29	43
Klamath Falls	11	28	28	29	27	21	17	0	0	4	21	33	50
Klamath Falls	12	30	33	25	32	16	17	0	0	3	21	37	42
Klamath Falls	13	24	42	26	28	16	15	0	0	1	25	28	41
Klamath Falls	14	35	51	29	21	12	16	0	0	3	23	31	37
Klamath Falls	15	41	54	32	17	18	15	0	0	12	13	25	34
Klamath Falls	16	34	53	29	18	15	10	0	0	16	6	22	37
Klamath Falls	17	30	47	24	12	10	5	0	0	19	10	26	0
Klamath Falls	18	37	26	33	10	4	0	0	0	11	12	28	54
Klamath Falls	19	42	25	34	7	0	0	0	0	4	13	19	66
Klamath Falls	20	39	23	33	7	1	0	2	0	7	14	14	72
Klamath Falls	21	42	26	28	8	2	0	6	0	11	13	23	68
Klamath Falls	22	44	23	28	18	14	0	9	0	11	9	24	58
Klamath Falls	23	42	19	28	15	27	0	5	0	4	10	33	36
Klamath Falls	24	38	21	27	17	26	0	0	0	0	19	31	36
Klamath Falls	25	36	23	22	25	24	0	0	10	0	17	34	28
Klamath Falls	26	40	20	22	18	21	0	0	13	5	16	33	42
Klamath Falls	27	34	23	25	18	14	0	0	9	7	29	39	28
Klamath Falls	28	32	24	26	12	11	7	0	4	7	22	44	33
Klamath Falls	29	34		24	9	11	17	0	5	1	23	51	35
Klamath Falls	30	33		18	4	13	13	0	4	4	20	42	35
Klamath Falls	31	38		14		0		0	3		18		34

Temperature Pattern	Day	January	February	March	April	May	June	July	August	September	October	November	December
LaGrande	1	28	30	28	26	8	2	0	0	0	0	26	37
LaGrande	2	27	28	26	26	10	0	1	0	0	1	20	27
LaGrande	3	29	28	28	25	14	7	0	0	0	7	18	27
LaGrande	4	32	23	25	22	20	4	0	0	8	9	18	27
LaGrande	5	32	31	25	18	21	5	0	0	4	16	26	23
LaGrande	6	27	33	27	26	12	5	0	0	3	8	25	23
LaGrande	7	17	32	23	28	8	9	0	0	0	13	19	31
LaGrande	8	23	31	26	28	18	11	0	0	0	22	20	32
LaGrande	9	28	32	31	26	18	5	4	0	0	23	27	28
LaGrande	10	30	31	27	24	17	4	5	0	0	26	25	31
LaGrande	11	27	24	30	22	13	8	0	0	0	24	21	36
LaGrande	12	22	20	30	24	10	13	0	0	0	22	21	34
LaGrande	13	31	61	30	27	14	10	0	0	0	22	23	28
LaGrande	14	34	68	25	18	7	10	0	0	4	16	24	30
LaGrande	15	33	74	23	10	6	6	0	0	2	23	20	29
LaGrande	16	36	61	24	12	9	0	0	0	13	15	22	38
LaGrande	17	36	60	16	15	6	0	0	0	17	12	22	40
LaGrande	18	35	31	16	9	16	0	0	0	8	8	27	51
LaGrande	19	30	24	15	4	11	0	0	0	7	16	28	58
LaGrande	20	32	26	10	12	11	0	10	0	3	14	33	64
LaGrande	21	32	28	17	17	7	0	8	0	3	25	28	58
LaGrande	22	38	28	18	11	1	1	1	0	3	25	34	51
LaGrande	23	34	28	16	7	9	5	0	1	0	15	35	26
LaGrande	24	29	27	28	7	7	2	0	9	0	21	27	28
LaGrande	25	23	27	29	17	1	0	0	5	0	15	31	35
LaGrande	26	33	26	21	16	3	0	0	7	1	25	25	40
LaGrande	27	43	24	17	18	16	0	0	7	16	15	30	46
LaGrande	28	49	22	20	9	16	13	0	4	14	17	32	42
LaGrande	29	51		21	5	13	16	0	0	10	16	28	41
LaGrande	30	39		19	1	11	9	0	0	6	1	31	37
LaGrande	31	36		15		10		0	4		12		29

Temperature Pattern	Day	January	February	March	April	May	June	July	August	September	October	November	December
Medford	1	29	15	13	14	10	0	2	4	0	0	10	30
Medford	2	30	12	15	14	8	0	1	0	0	1	13	27
Medford	3	31	15	17	20	2	0	0	0	3	9	11	21
Medford	4	28	14	18	18	6	0	0	0	4	7	16	25
Medford	5	32	21	20	9	19	0	0	0	2	3	16	24
Medford	6	29	25	20	0	19	4	0	0	0	0	21	19
Medford	7	27	13	18	18	10	6	0	0	0	0	21	23
Medford	8	31	17	21	19	6	1	0	0	0	3	21	23
Medford	9	30	22	23	15	5	0	1	0	0	11	19	22
Medford	10	32	19	15	17	7	0	0	0	0	13	18	19
Medford	11	30	14	12	12	9	0	0	0	0	14	17	27
Medford	12	31	23	15	22	12	0	0	0	0	15	19	26
Medford	13	36	32	14	25	11	6	0	0	5	6	27	25
Medford	14	31	36	10	18	8	4	0	0	8	9	23	28
Medford	15	26	38	14	13	8	3	0	0	5	13	21	28
Medford	16	20	32	13	13	3	10	0	0	2	10	22	21
Medford	17	22	28	13	18	7	9	0	0	7	10	25	27
Medford	18	20	25	10	20	0	6	0	0	1	9	21	50
Medford	19	23	26	13	17	4	4	0	0	4	7	19	59
Medford	20	24	26	19	14	7	2	0	0	5	13	14	61
Medford	21	27	23	19	8	9	1	0	0	3	20	16	56
Medford	22	23	21	21	5	11	1	0	0	4	19	24	55
Medford	23	23	24	17	10	9	0	0	1	3	12	32	28
Medford	24	20	25	19	9	12	0	0	0	0	14	28	30
Medford	25	15	22	21	5	3	0	0	0	0	7	19	29
Medford	26	16	26	24	4	0	0	0	0	0	10	18	36
Medford	27	20	27	19	4	1	0	0	0	1	13	24	35
Medford	28	17	25	20	7	0	0	0	0	1	13	29	29
Medford	29	22		20	6	4	1	0	0	0	15	34	29
Medford	30	24		23	5	5	0	0	2	10	14	24	25
Medford	31	23		20		3		3	0		18		29

Appendix 3.4 - Heating Degree Days by Day (Includes Peak Weather Event and Additional Winter Storm)

Temperature Pattern	Day	January	February	March	April	May	June	July	August	September	October	November	December
Roseburg	1	26	25	16	19	15	3	0	0	0	0	14	10
Roseburg	2	30	27	18	12	8	2	0	0	1	2	14	19
Roseburg	3	29	23	16	13	9	9	5	0	0	8	14	19
Roseburg	4	32	18	16	15	6	2	3	0	0	7	20	21
Roseburg	5	30	11	22	19	4	0	1	0	0	7	21	19
Roseburg	6	25	23	22	15	9	4	0	0	0	2	17	23
Roseburg	7	27	25	21	10	14	1	0	0	0	0	15	23
Roseburg	8	29	23	11	13	14	3	0	0	0	0	15	17
Roseburg	9	28	26	8	14	13	1	4	0	0	0	19	16
Roseburg	10	28	27	16	13	5	4	0	0	0	0	15	18
Roseburg	11	29	25	14	12	11	5	0	0	5	5	18	27
Roseburg	12	24	20	14	8	12	5	0	0	10	4	18	28
Roseburg	13	27	32	10	7	3	5	0	2	6	5	13	31
Roseburg	14	28	37	11	14	0	3	0	0	5	1	16	19
Roseburg	15	22	42	14	21	0	0	0	0	5	5	11	24
Roseburg	16	15	34	12	20	0	0	0	0	0	9	13	35
Roseburg	17	12	28	11	20	0	0	0	0	0	14	16	41
Roseburg	18	6	16	12	13	0	0	0	1	3	17	17	40
Roseburg	19	12	14	17	9	0	0	0	0	9	22	20	53
Roseburg	20	11	12	15	7	7	0	0	0	6	15	20	55
Roseburg	21	17	15	21	14	12	0	0	0	0	15	25	46
Roseburg	22	18	14	23	13	14	0	0	0	0	15	25	48
Roseburg	23	16	26	26	8	15	4	0	0	2	16	23	8
Roseburg	24	21	21	26	9	4	3	0	0	2	16	20	11
Roseburg	25	20	17	21	5	6	0	0	0	0	13	7	12
Roseburg	26	15	11	19	10	5	5	0	0	2	16	16	17
Roseburg	27	19	10	13	5	3	6	0	0	5	19	13	27
Roseburg	28	20	21	13	0	10	8	0	0	4	18	16	29
Roseburg	29	20		10	6	7	3	0	0	0	8	15	28
Roseburg	30	22		8	10	3	3	0	0	1	8	15	32
Roseburg	31	19		15		10		0	3		8		34

Temperature Pattern	Day	January	February	March	April	May	June	July	August	September	October	November	December
WA/ID	1	38	31	21	25	4	8	0	0	1	9	22	25
WA/ID	2	40	35	25	29	13	0	0	0	0	10	27	29
WA/ID	3	43	43	23	28	14	0	0	0	0	6	30	32
WA/ID	4	43	53	25	25	10	4	4	0	0	15	32	29
WA/ID	5	51	49	30	19	13	8	7	0	0	22	29	30
WA/ID	6	44	47	27	11	11	1	3	5	0	25	27	33
WA/ID	7	40	48	25	7	5	0	0	4	0	15	30	38
WA/ID	8	40	47	26	11	1	0	0	0	0	17	36	34
WA/ID	9	43	55	16	20	2	6	0	0	8	15	35	36
WA/ID	10	43	47	22	23	5	8	0	0	9	13	26	43
WA/ID	11	43	39	26	23	15	6	0	0	8	12	25	38
WA/ID	12	44	30	30	21	11	4	0	0	2	10	33	36
WA/ID	13	51	62	22	19	4	0	0	0	0	9	28	47
WA/ID	14	57	72	21	18	14	1	0	0	0	11	29	41
WA/ID	15	61	82	27	21	10	0	0	0	0	20	32	36
WA/ID	16	49	67	28	20	0	3	0	0	0	22	26	41
WA/ID	17	36	57	29	20	14	12	0	0	9	22	26	40
WA/ID	18	26	27	30	22	17	15	7	0	16	18	26	51
WA/ID	19	21	16	28	22	10	12	9	0	18	18	26	56
WA/ID	20	23	14	27	22	14	2	5	0	14	17	23	61
WA/ID	21	24	26	24	21	10	3	0	0	11	14	33	58
WA/ID	22	26	31	22	17	4	8	0	2	4	14	37	53
WA/ID	23	25	33	17	15	10	10	0	3	11	7	27	51
WA/ID	24	26	34	22	10	13	7	0	6	13	15	21	33
WA/ID	25	29	30	20	17	14	7	0	4	15	20	28	32
WA/ID	26	26	29	19	19	7	1	0	6	15	22	34	29
WA/ID	27	25	28	21	9	5	6	0	3	14	28	38	31
WA/ID	28	26	23	21	8	18	6	0	1	6	27	35	31
WA/ID	29	28		28	12	15	7	0	0	4	28	35	31
WA/ID	30	29		33	14	18	0	0	0	9	30	30	32
WA/ID	31	28		26		16		0	0		30		27

APPENDIX 3.5

GLOBAL WARMING SUMMARY AND GRAPHS

Global Warming

- Peak and trough weather appears more volatile
- Reduce annual consumption over time
- Decrease **non peak** HDDs over time to reflect warming trend

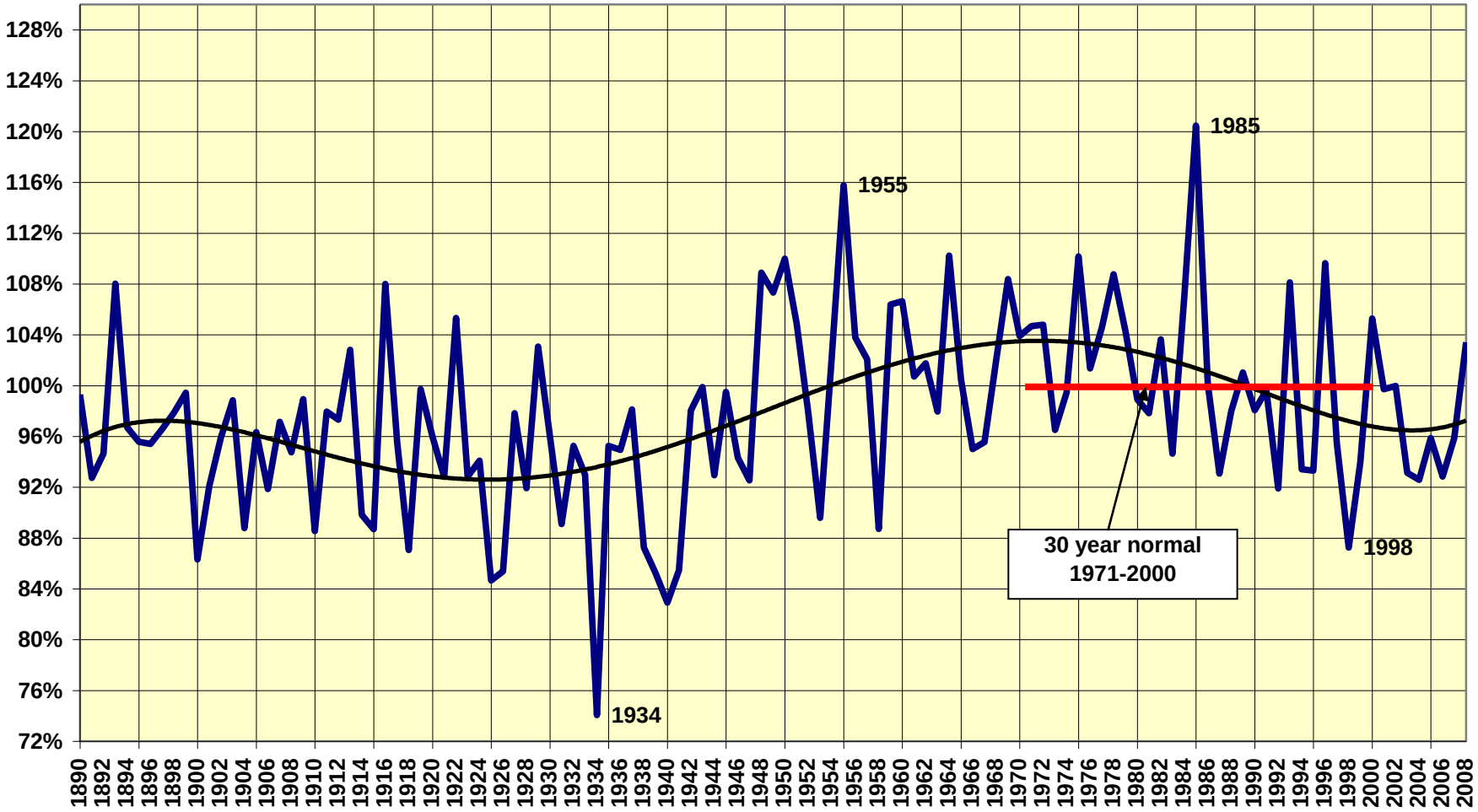
GLOBAL WARMING ADJUSTMENT

- Heating degree day data is obtained from the National Weather Service (NWS). Avista uses the most recent 30-year period, which goes from 1979-2008. For Oregon, Avista uses four weather stations as the weather basis, corresponding to the areas within which natural gas services are provided, all of which are official National Weather Service stations. Heating degree day weather patterns between these areas are uncorrelated.

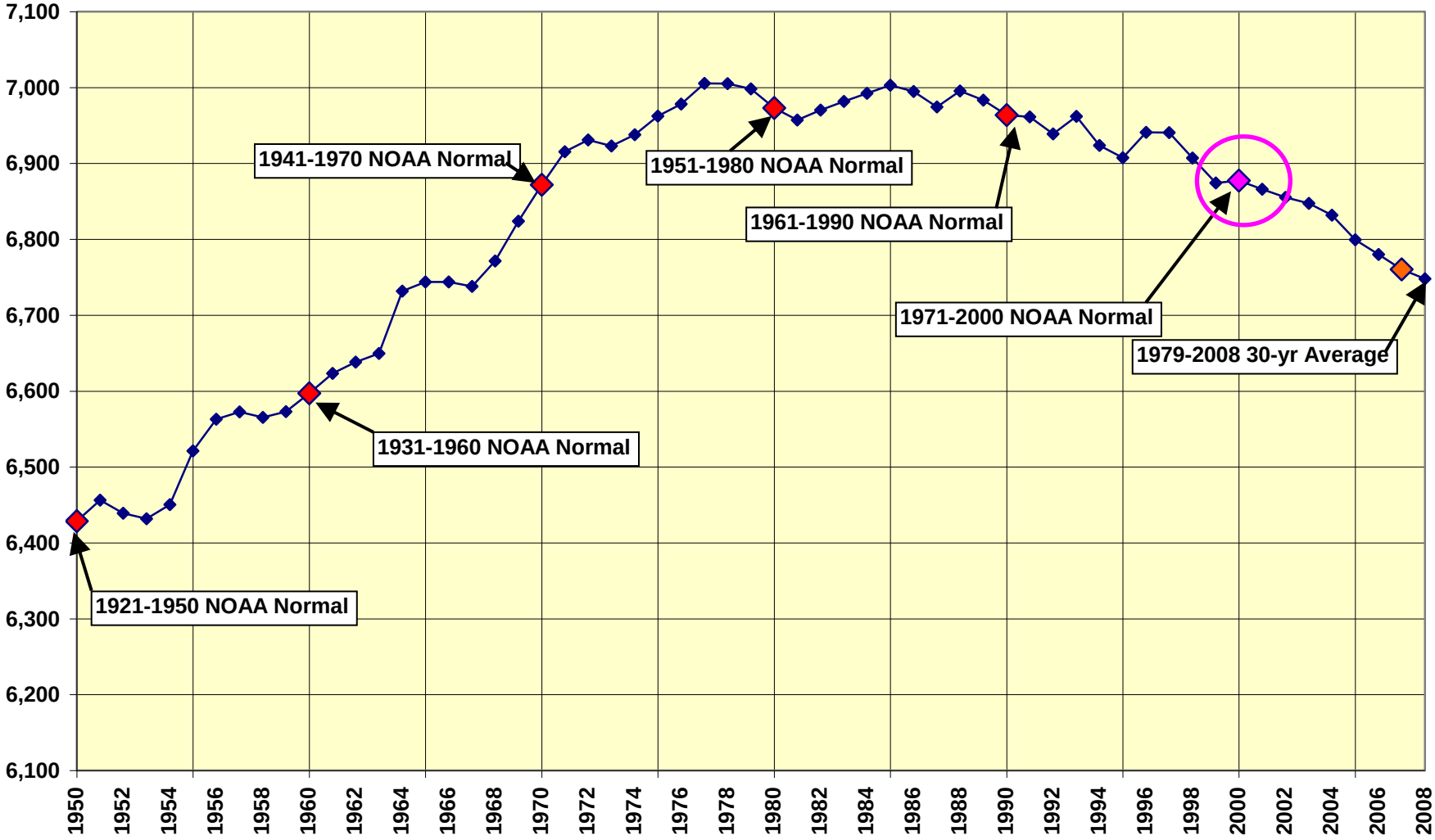
- At the April 2009 Technical Advisory Committee meeting, Avista presented some data and information regarding trends in heating degree days for its service area. Avista has adopted a “Global Warming” baseline for forecasting which captures the modest warming trend (i.e. gradually declining heating degree days) expected through the 20 year forecast period.

- By 2030, as compared to the “official” NWS normal figures based on the 1971-2000 period, the number of annual heating degree days as a percentage of the official period are:
    - Spokane 93.9%
    - Medford 88.4%
    - Roseburg 86.8%
    - Klamath Falls 94.9%
    - La Grande 81.6%

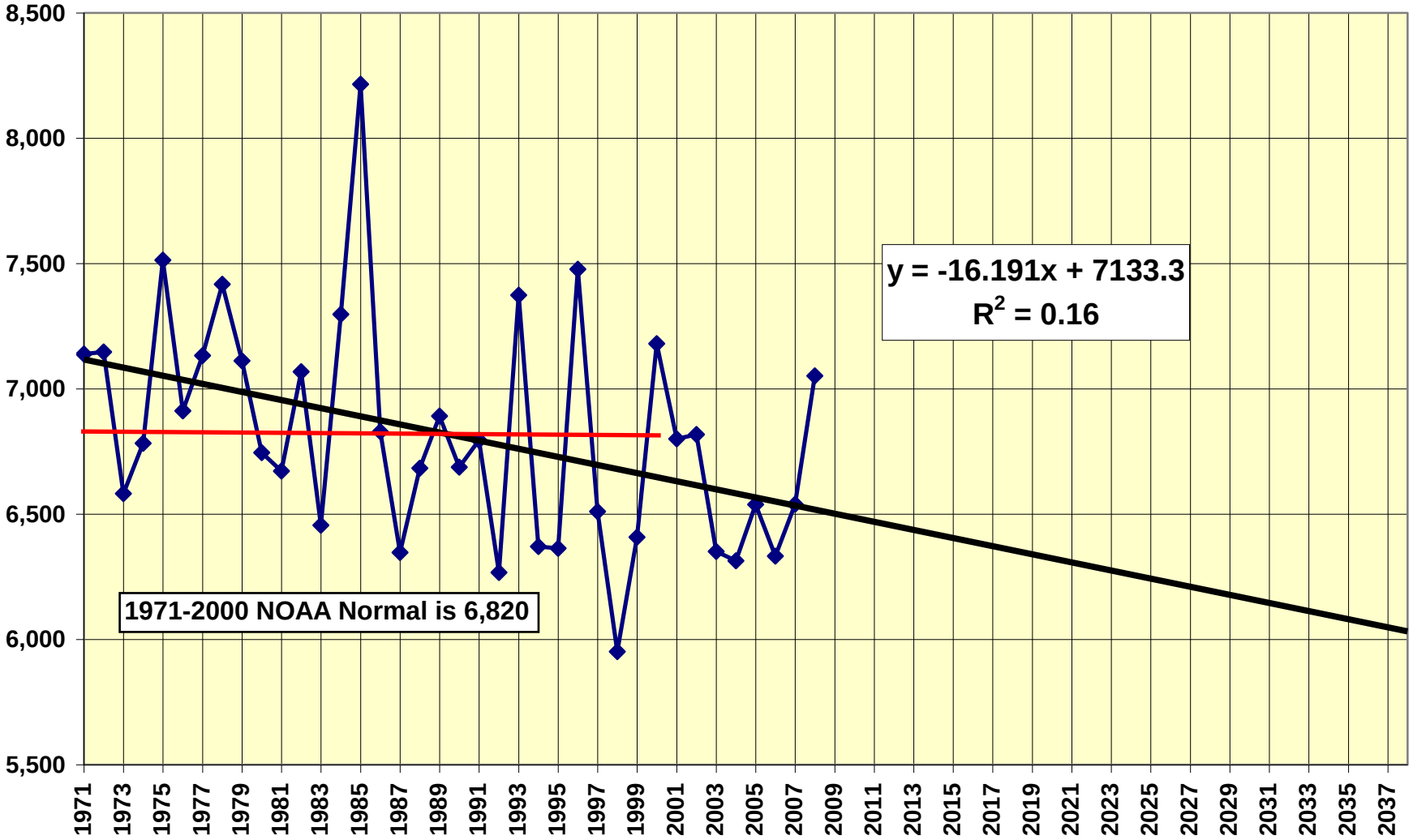
Annual Heating Degree Days, Percent of Normal
Spokane, Washington



30-year Rolling Average Spokane HDD

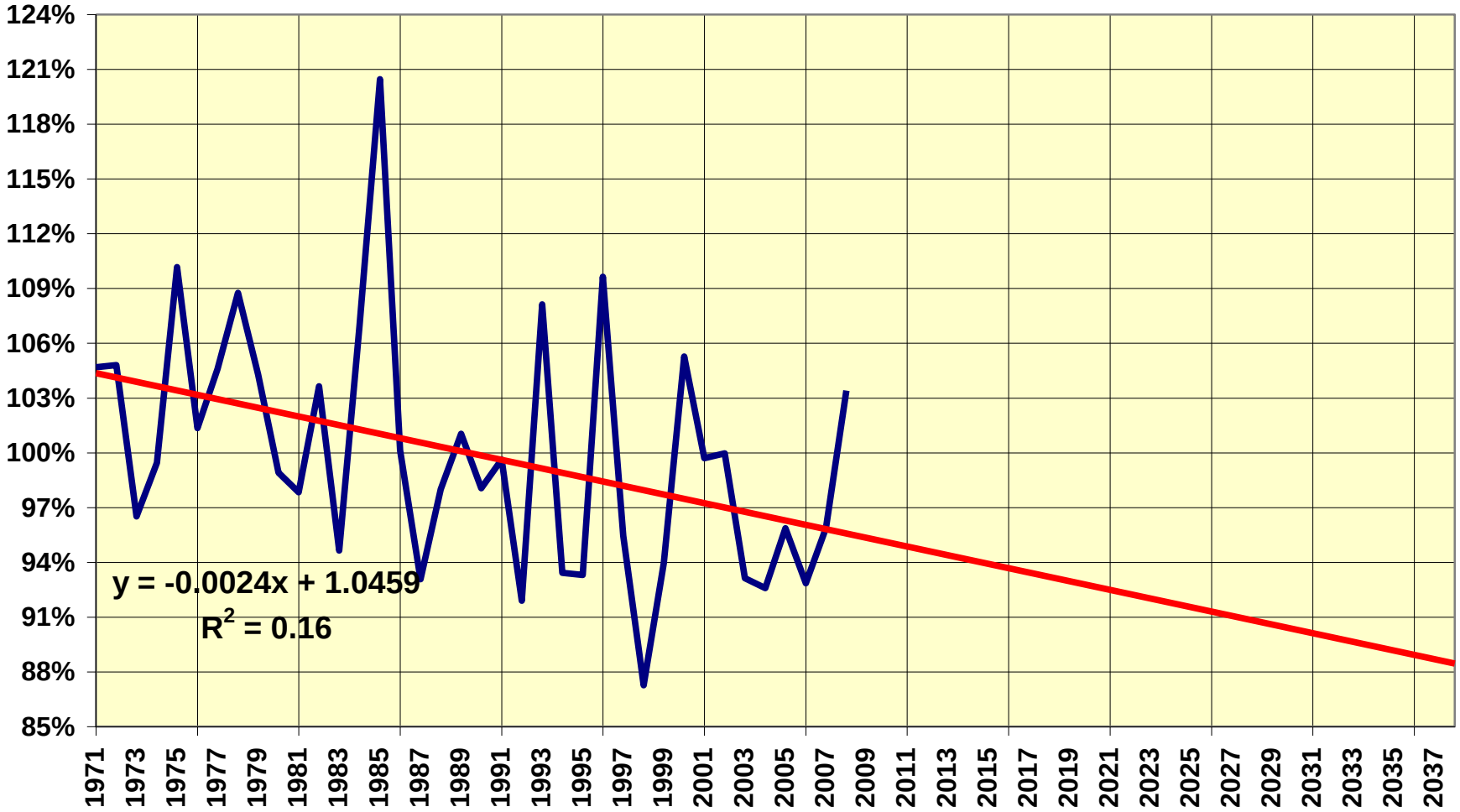


1971-2007 Spokane HDD Trend

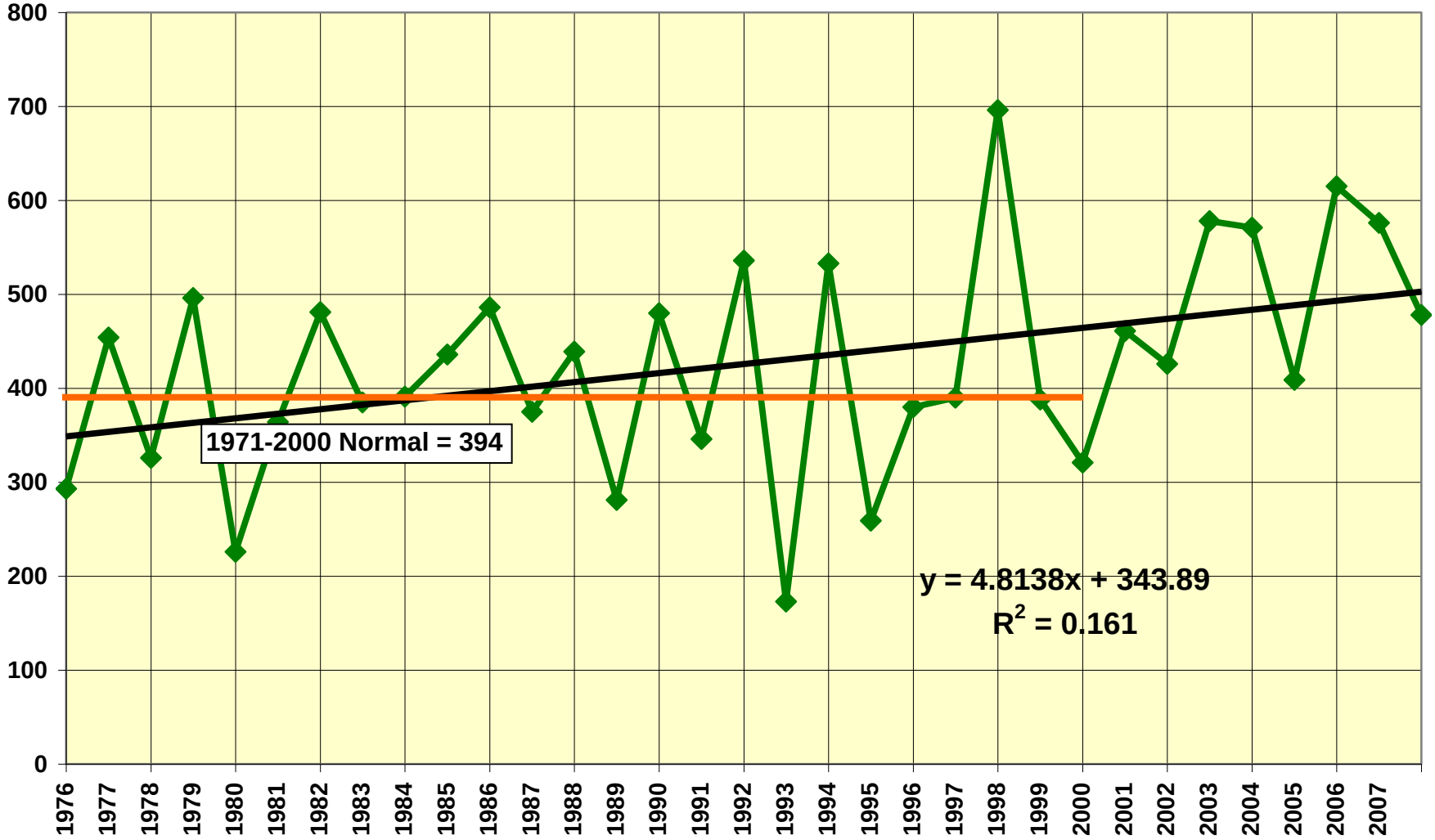


HDD Trends 1971-2007 and Projected 30 Years

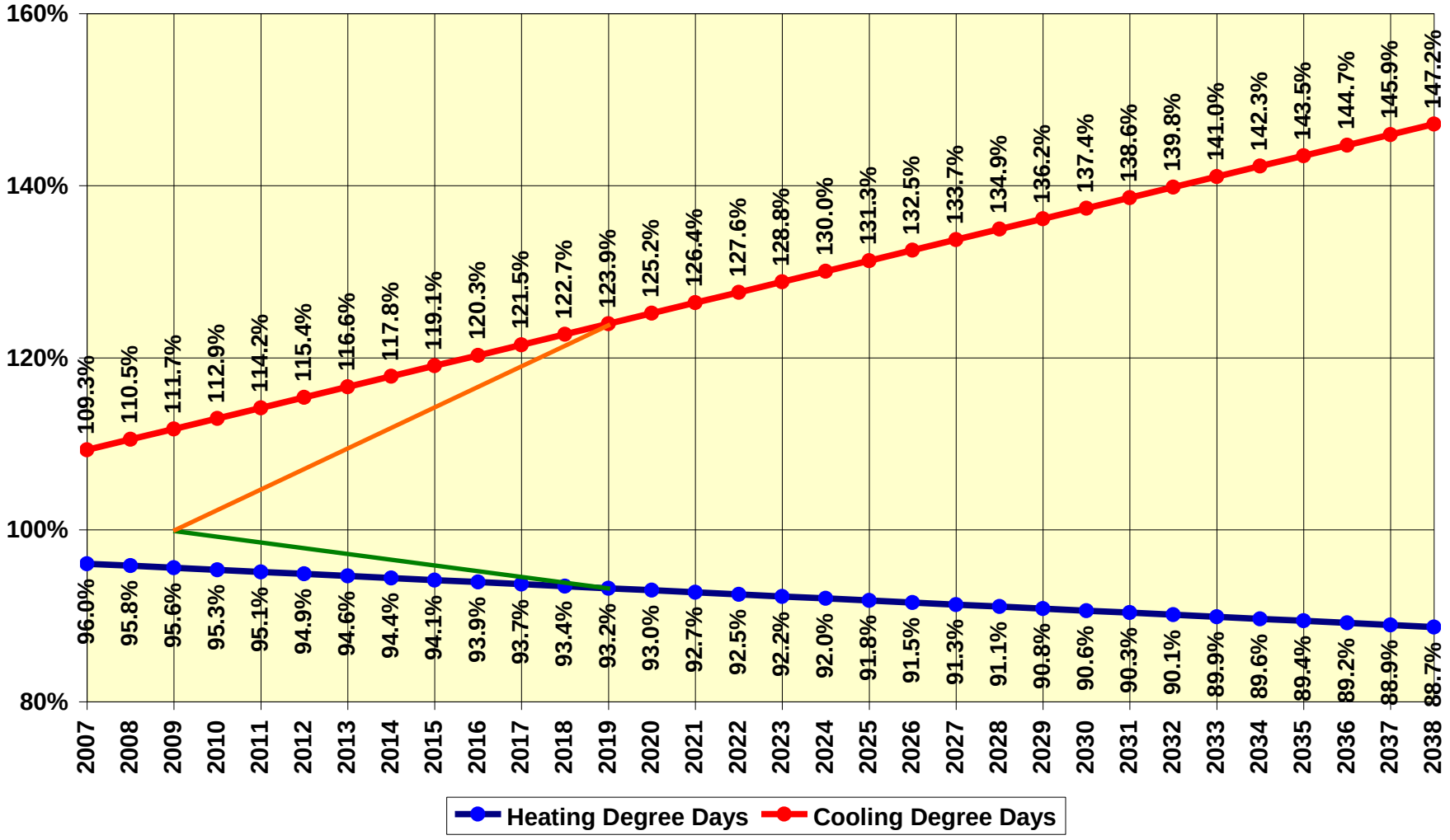
Spokane, Washington



1976-2007 Cooling Degree Day Trends

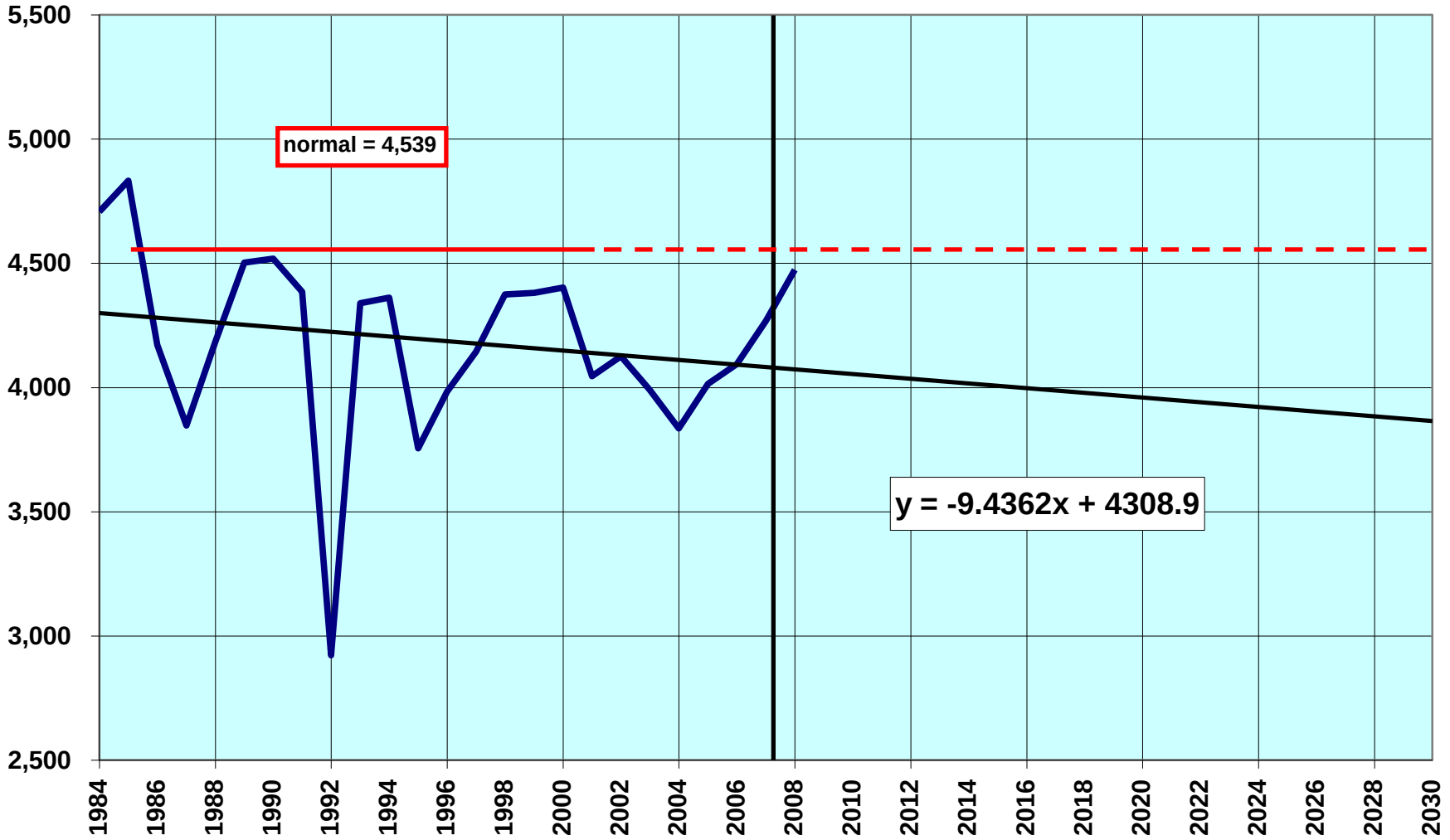


Spokane NWS Global Warming Degree Day Trends 2007-2038



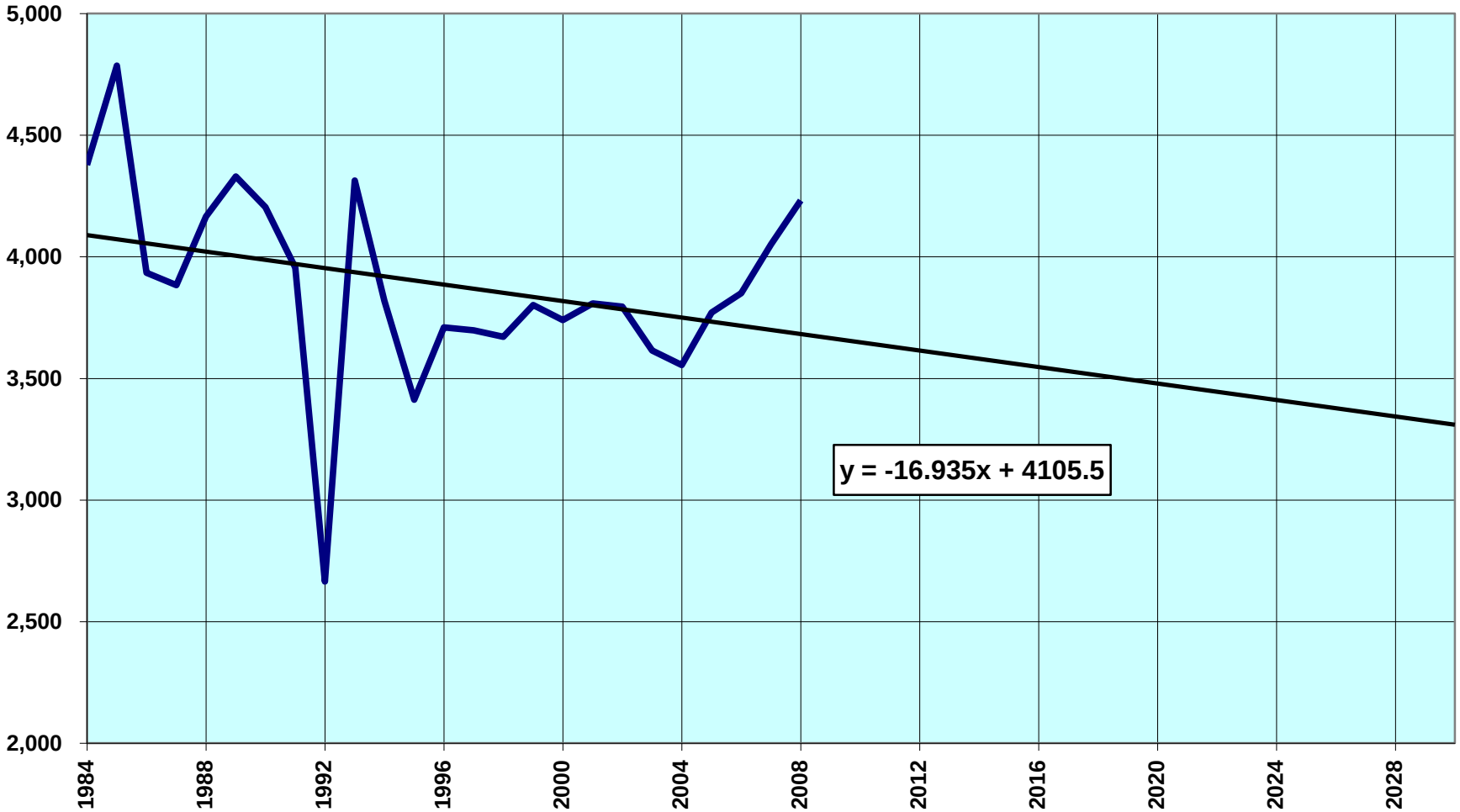
Medford Heating Degree Day Trends

excluding Summer



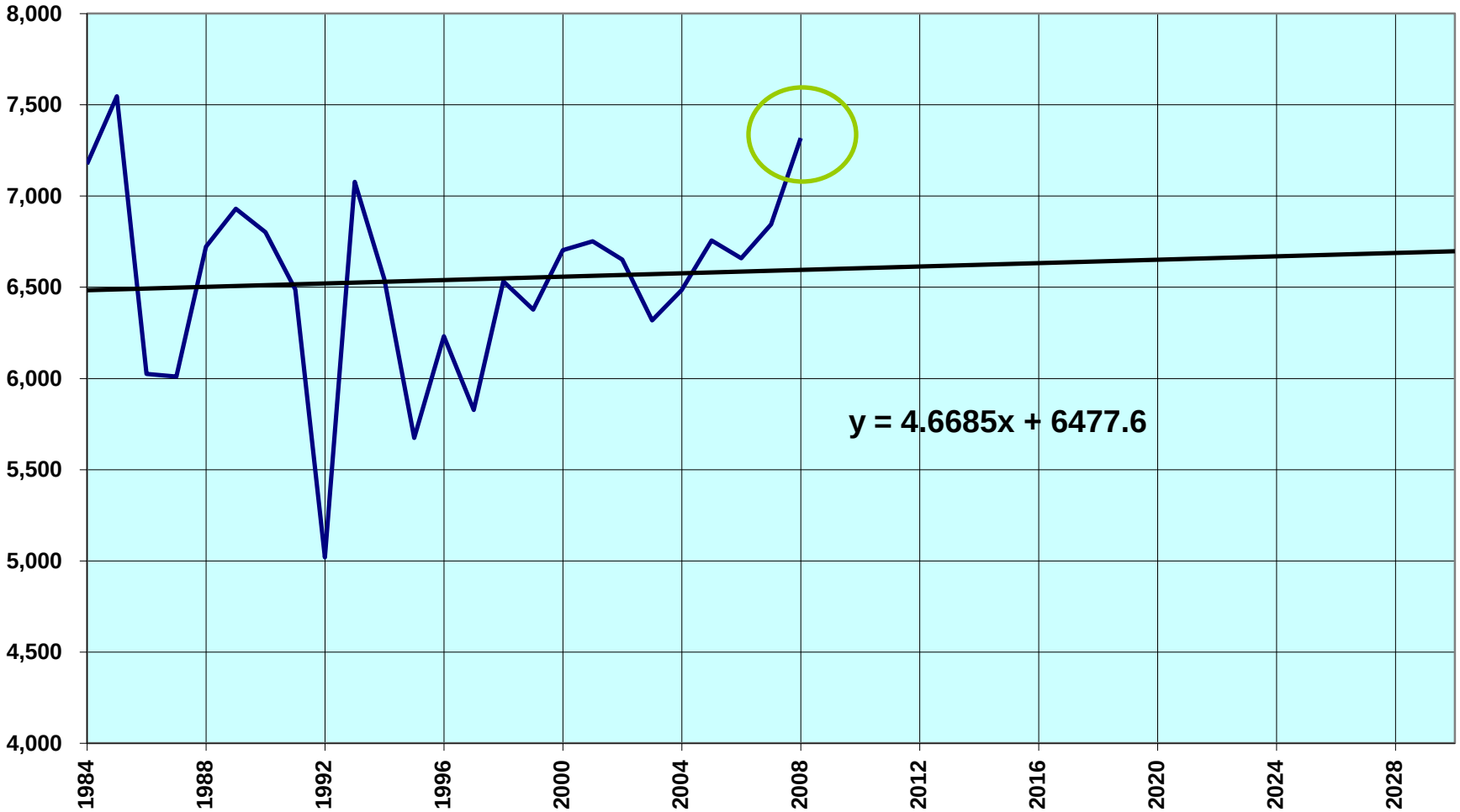
Roseburg HDD Trends

excluding Summer



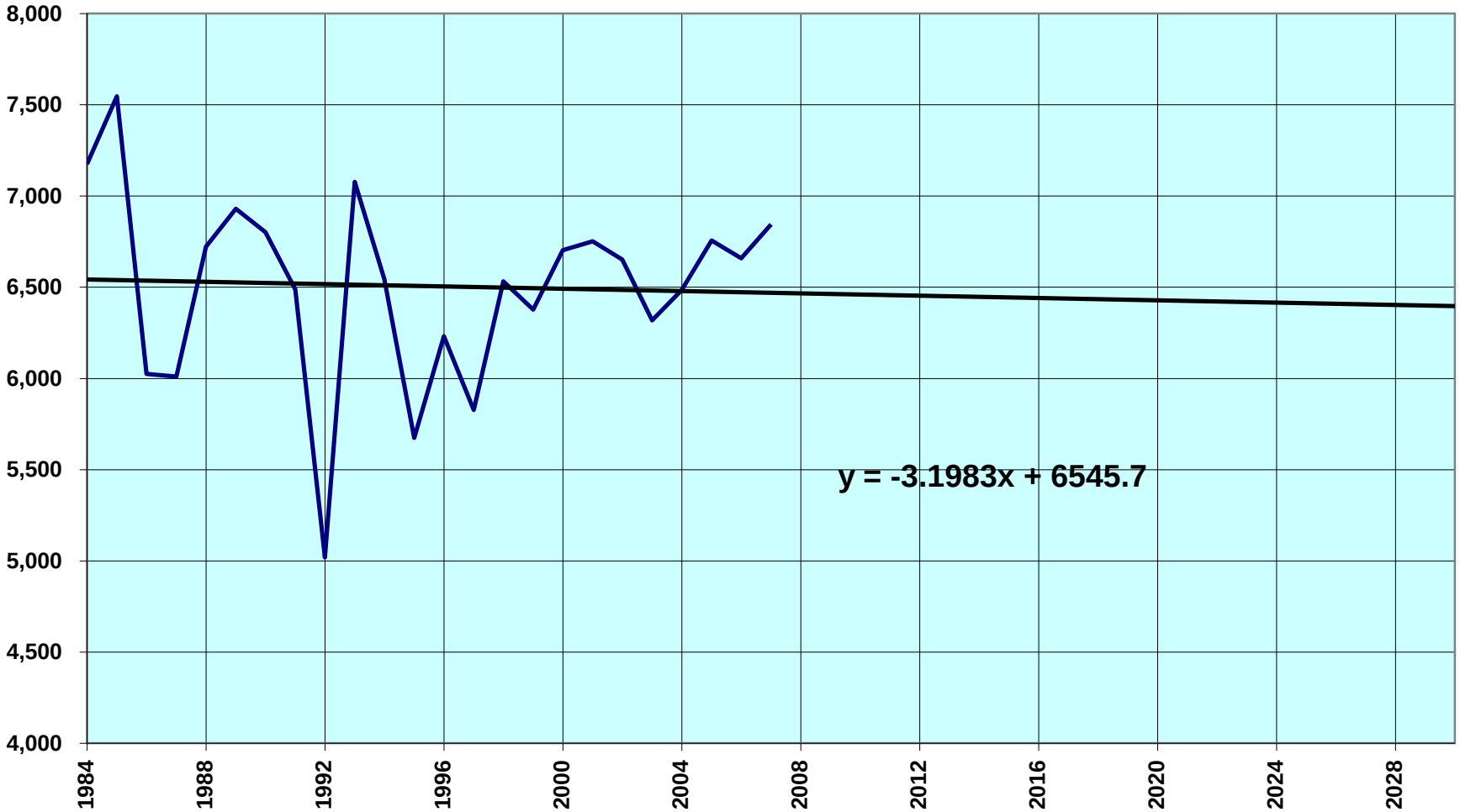
Klamath Falls HDD Trends

excluding Summer



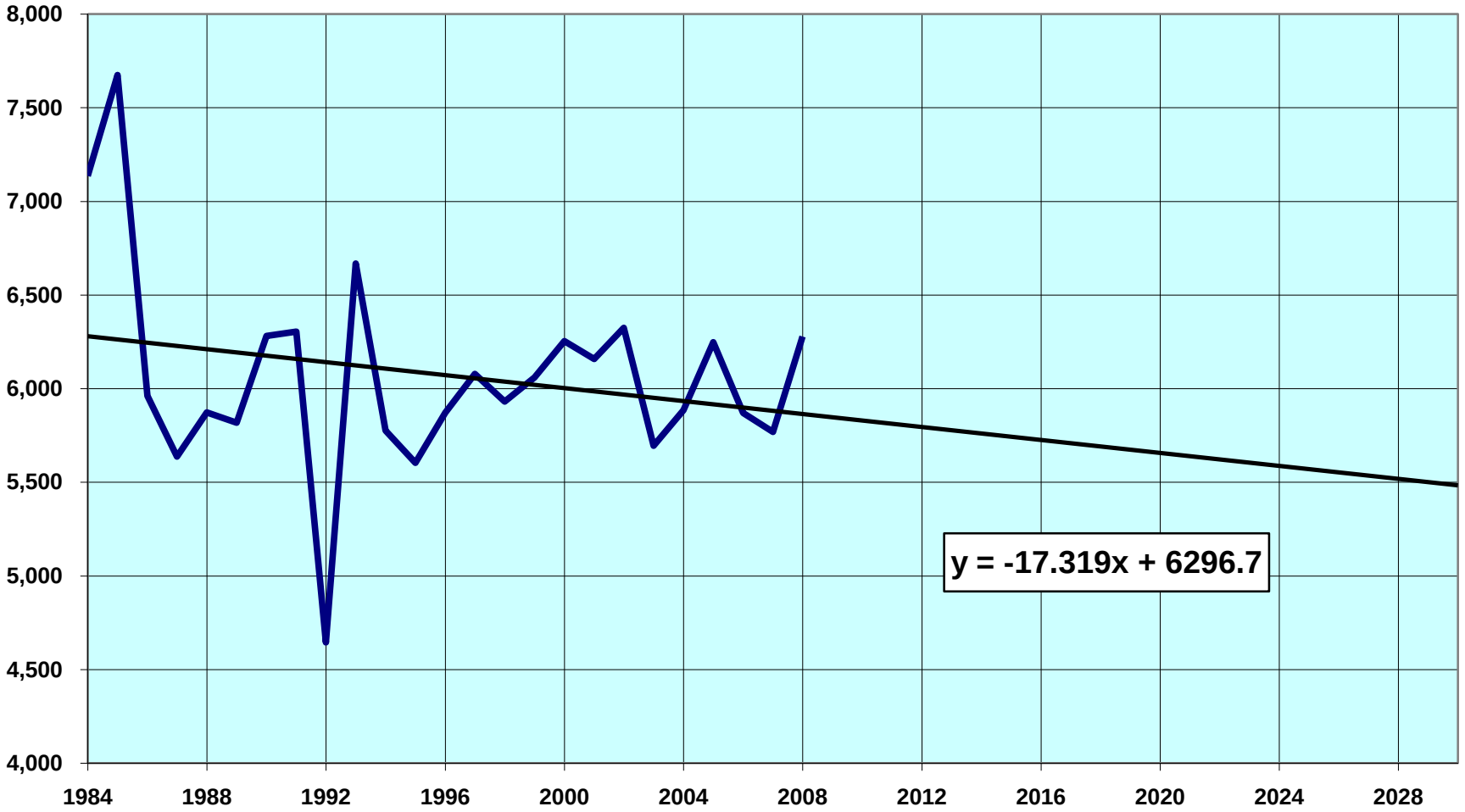
Klamath Falls HDD Trends

excluding Summer

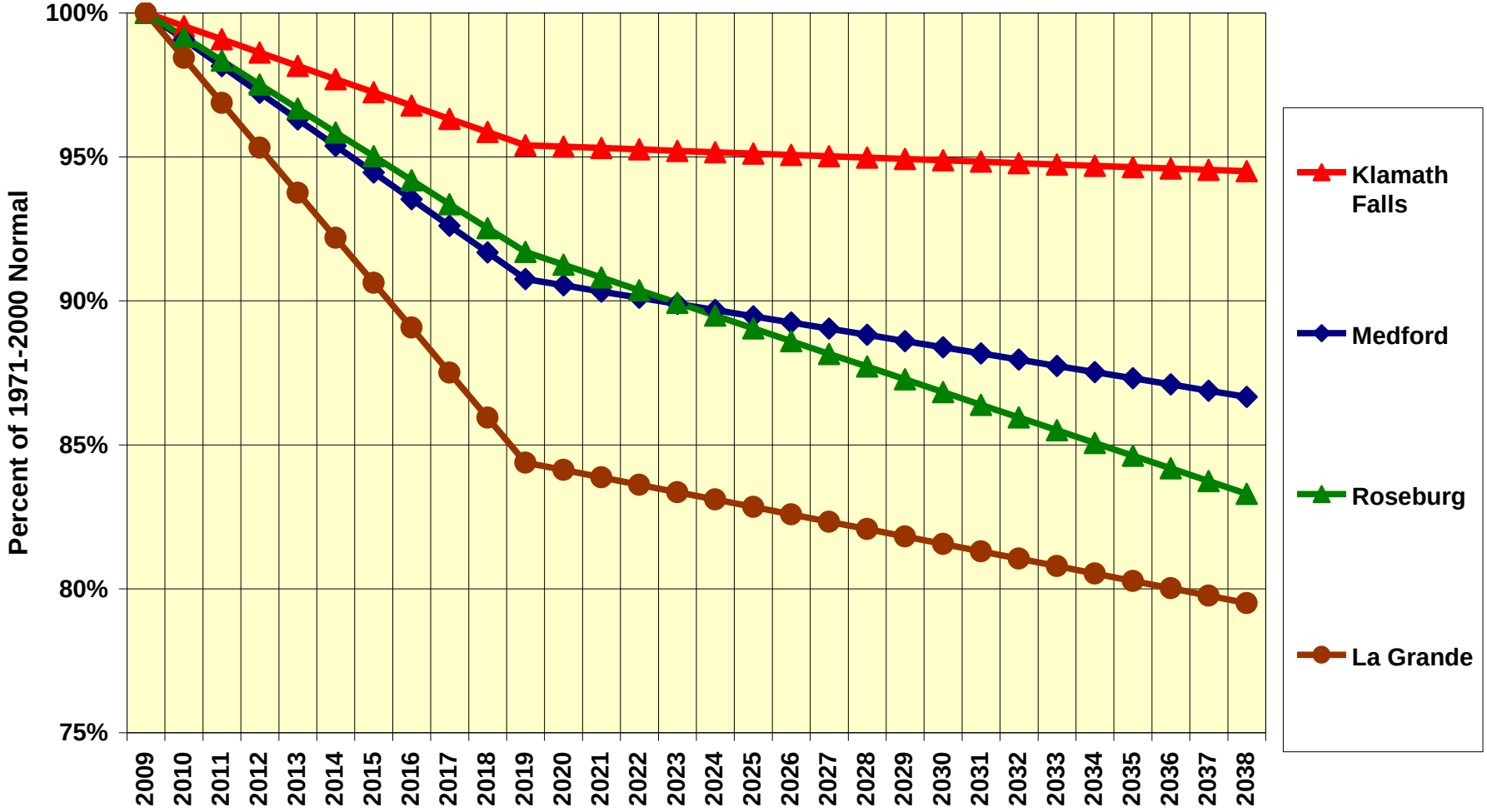


La Grande HDD Trends

excluding Summer



Oregon Degree Day Trends



APPENDIX 3.6

ALTERNATE DEMAND SCENARIOS SUMMARY OF ASSUMPTIONS

Appendix 3.6 – Sensitivities

Demand Influencing (Direct)
Summary of Assumptions

Model Sensitivities			**DEMAND INFLUENCING - DIRECT**							
		Reference Case	Low Cust Growth	High Cust Growth	Cold Day 20yr Weather Std	CNG Vehicles	1HDD Lower Weather Std	Northern Migration	Stagnant Growth	Global Warning
INPUT ASSUMPTIONS										
Customer Growth Rate										
Residential	WA/ID	2.2%								
Residential	Medford	2.6%								
Residential	Roseburg	3.6%								
Residential	Klamath	1.9%	50% Decrease in Cust Growth Rates	50% Increase in Cust Growth Rates				**???**	**???**	
Residential	La Grande	1.4%								
Commercial	WA/ID	2.3%								
Commercial	Medford	1.2%								
Commercial	Roseburg	2.1%								
Commercial	Klamath	1.9%								
Commercial	La Grande	0.6%								
Use per Customer		Flat				15% Growth Cumulative				
Weather										
Planning Standard		Coldest Day			Coldest 20yrs		Coldest-1HDD			**???**
Prices										
Price curve		Expected								
Elasticity		None								
Carbon Adder ($/Ton)		None								
Coal to Gas Adder ($/Dth)		None								
Cdn Imports Decline Adder										
Drilling Constraints ($/Dth)										
First Year Unserved										
WA/ID		2027	N/A	2019	N/A	2026	2028			
Medford		2017	2025	2015	2018	2016	2017	**???**	**???**	**???**
Klamath		2018	N/A	2015	2018	2017	2019			
La Grande		N/A	N/A	2019	2024	2022	2025			

= Did Not full cycle model

Appendix 3.6 – Sensitivities

Price Influencing (Indirect)

Summary of Assumptions

Model Sensitivities			**PRICE INFLUENCING - INDIRECT**									
		Reference Case	Expect Elasticity	Low Elasticity	High Elasticity	Low Prices	High Prices	Carbon Mitigate 1	Carbon Mitigate 2	Cdn Imports Decline	Drilling Constraints
INPUT ASSUMPTIONS											
Customer Growth Rate											
Residential	WA/ID	2.2%									
Residential	Medford	2.6%									
Residential	Roseburg	3.6%									
Residential	Klamath	1.9%									
Residential	La Grande	1.4%									
Commercial	WA/ID	2.3%									
Commercial	Medford	1.2%									
Commercial	Roseburg	2.1%									
Commercial	Klamath	1.9%									
Commercial	La Grande	0.6%									
Use per Customer		Flat									
Weather											
Planning Standard		Coldest Day									
Prices											
Price curve		Expected	Expected	Expected	Expected	Low	High	Expected	Expected	Expected	Expected
Elasticity		None	Expected	Low	High	Expected	Expected	Expected	Expected	Expected	Expected
Carbon Adder ($/Ton)		None						$5-$67	$37-$140		
Coal to Gas Adder ($/Dth)		None						$.50-$1.00	$.50-$1.00		
Cdn Imports Decline Adder										$.20 incremental	
Drilling Constraints ($/Dth)											$0.30
First Year Unserved											
WA/ID		2027	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Medford		2017	2022	2017	N/A	2019	2024	2019	2020	2021	2021
Klamath		2018	2027	2020	N/A	2022	N/A	2022	2022	2025	2025
La Grande		N/A	N/A	2026	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix 3.6 – Demand Scenarios

Summary of Assumptions

Scenarios	Expected Case	Low Growth & High Prices	High Growth & Low Prices	Green Future	Alternate Weather Std	Supply Constraints
INPUT ASSUMPTIONS						
Customer Growth Rate	Reference Case Cust Growth Rates	50% Decrease in Cust Growth Rates	50% Increase in Cust Growth Rates	Reference Case Cust Growth Rates	Reference Case Cust Growth Rates	Reference Case Cust Growth Rates
Use per Customer	Flat + Price Elast.	Flat + Price Elast.	Flat + Price Elast.	Flat + Price Elast.	Flat + Price Elast.	Flat + Price Elast.
Weather						
Planning Standard	Coldest Day	Coldest Day	Coldest Day	Coldest Day	CD 20 yrs	Coldest Day
Prices						
Price curve	Expected	High	Low	Expected	Expected	High
Elasticity	Low	High	Low	High	Low	Expected
Carbon Adder ($/Ton)	$5-$67	$5-$67	$5-$67	$37-$140	$5-$67	$5-$67
Coal to gas adder ($/Dth)	$.50-$1.00	$.50-$1.00	$.50-$1.00	$.50-$1.00	$.50-$1.00	$.50-$1.00
Drilling Constraints ($/Dth)	None	$0.30	None	$0.30	None	$0.30
Declining Canada Gas ($/Dth)	None	None	None	None	None	$.20-$3.00
RESULTS						
First Year Unserved						
WA/ID	2023	N/A	2016	N/A	N/A	2029
Medford	2018	N/A	2015	2027	2020	2027
Klamath	2021	N/A	2016	N/A	2021	N/A
La Grande	N/A	N/A	2022	N/A	N/A	N/A

APPENDIX 3.7

ALTERNATE DEMAND SCENARIOS DESCRIPTIONS

Appendix 3.7

Avista 2009 Natural Gas IRP Demand Forecast Sensitivities and Scenarios Update

A. Definitions

Dynamic Demand Methodology – Avista's demand forecasting approach wherein we 1) identify key demand drivers behind natural gas consumption, 2) perform sensitivity analysis on each demand driver, and 3) combine demand drivers under various scenarios to develop alternative potential outcomes for forecasted demand.

Demand Influencing Factors – Factors that directly influence the volume of natural gas consumed by our core customers.

Price Influencing Factors – Factors that, through price elasticity response, indirectly influence the volume of natural gas consumed by our core customers.

Reference Case – A baseline point of reference that captures the basic inputs for determining a demand forecast in SENDOUT which includes number of customers, use per customer, daily weather temperatures and natural gas prices.

Sensitivities – Focused analysis of a specific natural gas demand driver and its impact on forecasted demand relative to the Reference Case when underlying input assumptions are modified.

Scenarios – Combination of natural gas demand drivers that make up a demand forecast.

B. Reference Case Input Assumptions

Customer growth rates reflect roll up of underlying county level growth rate analysis utilizing Global Insights forecast data (see **Tables & Graphs**, *Figure 1* below). Initial use per customer is based on historical analysis of last three years data. Peak Day weather reflects coldest average daily temperature experienced over available weather data. Natural gas price curve derived from independent consultant forecast (Wood Mackinzie, an industry information & analysis consultant) with first five years modified to include blend of recent market prices (Nymex forward prices). The resulting real price forecast (2009$) is included in *Figure 2*.

C. Sensitivities

The following Sensitivities were performed on identified demand drivers against the reference case for consideration in Scenario development. Note that Sensitivity assumptions reflect incremental adjustments we estimate are not captured in the underlying reference case forecast.

Low & High Customer Growth – In our low customer growth Sensitivity, annual customer growth rates under perform the reference rate of growth by 50% over our 20 year planning horizon while annual customer growth rates exceed the reference rate by 50% in our high growth Sensitivity (*Figure 1*).

Coldest Day 20yrs Weather Standard – Peak Day weather temperature reduced to coldest average daily temperature (HDDs) experienced in the most recent 20 years in each region. Note this sensitivity only affects our WA/ID, Medford and Roseburg service regions as Klamath Falls and La Grande have experienced a coldest day on record within the last 20 years.

Low & High Prices – To capture a wide band of alternative prices forecasts, we use the Northwest Power and Conservation Council's "very low" and "very high" natural gas price forecast scenarios with first five years modified to include blend of recent market prices (Nymex forward prices) consistent with our Expected price forecast (*Figure 2*).

Expected, Low, and High Elasticity – For our expected elasticity Sensitivity, we incorporate reduced consumption in response to higher natural gas prices utilizing a price elasticity study prepared by the American Gas Association. We then consider a lower response rate to the study as well as a higher response. We also consider a wider band of response in especially volatile prices defined as annual price increases exceeding 30% (*Figure 3*).

Carbon Mitigation 1 – Utilizes carbon cost adders quantified by independent analysis from Wood Mackenzie. They identify both an adder reflecting carbon allowances as well as an adder to capture the effect of increased natural gas demand as more gas turbines come online to replace coal plants and back up wind generation. The allowance adder escalates from $5/ton in 2012 to $67/ton by 2030 while the increased demand adder climbs from $.50/mmbtu to $1.00 over our planning horizon (*Figure 4*).

Carbon Mitigation 2 – Recognizing significant uncertainty exists regarding the amount, scope, and timing of carbon regulation, we utilize a second alternate range of cost adders to develop a high carbon cost case. We escalate an allowance adder from $37/ton in 2012 to $140/ton by 2030 as forecasted in a Pacific Northwest electric utility's integrated resource plan. The increased demand adder is consistent with our **Carbon Mitigation 1** case.

Canadian Imports Decline – Beginning in 2015, we apply an estimate of $.20/mmbtu *incremental* adder each year to regional natural gas prices to capture upward price

pressure because of decreased Canadian imports more severe than generally anticipated. The cumulative cost adder by the end of our planning horizon is $3.00/mmbtu. After discussion with the TAC, we dropped further analysis of our initial most severe imports decline case of $.50/mmbtu incremental each year as we concluded this type of price increase would support several supply responses (including frontier gas pipelines) which would curtail such a long term price increase.

Drilling Constraints –This price adder estimates the impact from increased costs to comply with potential increased environmental regulations. Significant uncertainty exists regarding potential costs, impacts on production and timing of more stringent regulation. Also, it is very difficult to ascertain to what degree these types of costs are already captured in forward market prices and various price forecasts. In light of this challenge, we have assumed a $.30/mmbtu adder in each year from 2012 to 2030 for this Sensitivity recognizing the wide range of actual outcomes.

*****

Following are other Sensitivities we evaluated:

Compressed Natural Gas (CNG) Vehicles – CNG vehicles assumed to produce a 15% cumulative incremental demand over our 20 year planning horizon. Our assumption utilized market consumption estimates from an independent analysis on CNG vehicle viability. The analysis indicates significant challenges exist to widespread adoption but did provide a scenario for significant market penetration (10% in 10 years). Although we concur significant system demand from CNG vehicle purchases in our service territories is unlikely at this time, we were motivated to run this sensitivity to learn how our system would respond to an emerging application that would grow significant new natural gas demand. This sensitivity, although instructive on understanding underlying incremental change in demand, is not currently used in any Scenario.

1HDD Lower Weather Standard – Peak Day weather temperature is reduced by 1 heating degree (Fahrenheit) in each service region. This sensitivity, although instructive on understanding underlying incremental change in demand, is not used in any Scenario.

Northern Migration – Economic and water issues in south western states spur increased migration to Pacific Northwest states. After discussion, it was determined that the **High Customer Growth** sensitivity would likely encompass this sensitivity's demand impacts therefore we did not pursue further analysis.

Stagnant Growth – Current economic conditions spur much slower and possibly negative customer growth rates for an extended period with a return to trend rates at some point. It was noted that we have not experienced widespread negative growth in our actual recent data. Our significant residential customer base has historically been very stable and not prone to extreme boom or bust cycles in four of our five service regions. Medford/Roseburg would appear most vulnerable to a severe impact though a sustained negative growth trend appears remote. Also noted were the very low long term growth

rates in our **Low Customer Growth** sensitivity. After discussion, it was determined that the **Low Customer Growth** sensitivity would likely encompass this sensitivity's demand impacts therefore we did not pursue further analysis.

Global Warming – Adjust the regional peak day weather temperatures lower to account for global warming. Although we have developed analysis supporting adjustment to historical average daily temperatures for our forecasted average daily temperatures, we searched unsuccessfully for information that would provide a basis for adjusting peak day temperatures. Our data does suggest more volatile temperatures recently but is inconclusive on a trend of lower (or higher) peak temperatures. One TAC member provided information from a study that could not conclude global warming influenced peak day temperatures. Another TAC member offered reliable assessments of global warming applied to specific service regions would be challenging given local weather dynamics and conjectured overall global warming weather dynamics might produce possible peak day cooling trends for regions situated in transition areas. After discussion and feedback, we determined that a reliable basis for global warming temperature adjustment is too uncertain. We also believe the **Coldest Day 20yrs Weather Standard** sensitivity may encompass many possible demand impacts for this sensitivity therefore we did not pursue further analysis.

*****

The following two DSM Sensitivities were also conducted:

DSM Accelerated – Federal stimulus funded residential audit programs and tax credits in combination with our program rebates induce increased conservation in 2010 beyond what is assumed in the IRP base case.

DSM Delayed – A combination of reduced customer disposable income from the economic recession and a freeze in customer incentives due to Avista budget constraints result in a reduction in energy-efficiency measures from what is assumed in the IRP base case.

D. Scenarios

After identifying the above demand drivers and analyzing the various Sensitivities, we have developed the following demand forecast Scenarios:

Expected Case – This Scenario we believe represents the most likely demand forecast modeled. We assume service territory customer growth rates consistent with the reference case, a weather standard of coldest day on record in each service territory, our middle range natural gas price forecast (Consultant #1), low price elasticity, and the CO2 cost adders from our **Carbon Mitigation 1 (CM1)** Sensitivity. The Scenario does not include incremental cost adders for declining Canadian imports or drilling restrictions beyond what is incorporated in the selected price forecast.

Low Growth & High Prices – This Scenario models an extended period of slow economic growth in part resulting from high energy prices. We assume customer growth rates 50% lower than the reference case, coldest day on record weather standard, our high natural gas price forecast, high price elasticity, and CO2 adders from our **Carbon Mitigation 1 Sensitivity (CM1)**. The Scenario also includes a incremental cost adder for drilling restrictions.

High Growth & Low Prices – This Scenario models a rapid return to robust growth in part spurred on by low energy prices. We assume customer growth rates 50% higher than the reference case, coldest day on record weather standard, our low natural gas price forecast, low price elasticity, and CO2 adders from **CM1**. The Scenario does not include incremental cost adders for declining Canadian imports or drilling restrictions beyond what is incorporated in the selected price forecast.

Green Future – This Scenario models a moderate return to economic growth consistent with our Expected Case while striving for environmentally friendly objectives. We assume service territory customer growth rates consistent with the reference case, a weather standard of coldest day on record in each service territory, and our middle range natural gas price forecast but with price adjustments including the CO2 cost adders from **CM2**, and drilling restrictions. We also assume our high elasticity response to rising prices.

Coldest Day 20Yr Weather Standard – This Scenario models all the same assumptions as the **Expected Case** Scenario except for the change in the weather planning standard from coldest day on record to coldest day in 20 years for each service territory. As noted in the Sensitivity analysis, this change does not affect the Klamath Falls and La Grande service territories which have each experienced their coldest day on record within the last 20 years.

Supply Constraints – This Scenario models an extended period of slow economic growth in part resulting from high energy prices. We assume customer growth rates 50% lower than the reference case, coldest day on record weather standard, our high natural gas price forecast, medium price elasticity, and CO2 adders from our **Carbon Mitigation 1 Sensitivity (CM1)**. The Scenario also includes incremental cost adders for declining Canadian imports and drilling restrictions.

E. Tables & Graphs

Figure 1 – Customer Growth Rates

Customer Growth Rates

		Reference Case	Low Cust Growth	High Cust Growth
Residential	WA/ID	2.2%		
Residential	Medford	2.6%		
Residential	Roseburg	3.6%		
Residential	Klamath	1.9%	50% Decrease in Cust Growth Rates	50% Increase in Cust Growth Rates
Residential	La Grande	1.4%		
Commercial	WA/ID	2.3%		
Commercial	Medford	1.2%		
Commercial	Roseburg	2.1%		
Commercial	Klamath	1.9%		
Commercial	La Grande	0.6%		

Figure 2 – Henry Hub Natural Gas Price Forecasts (2009$)

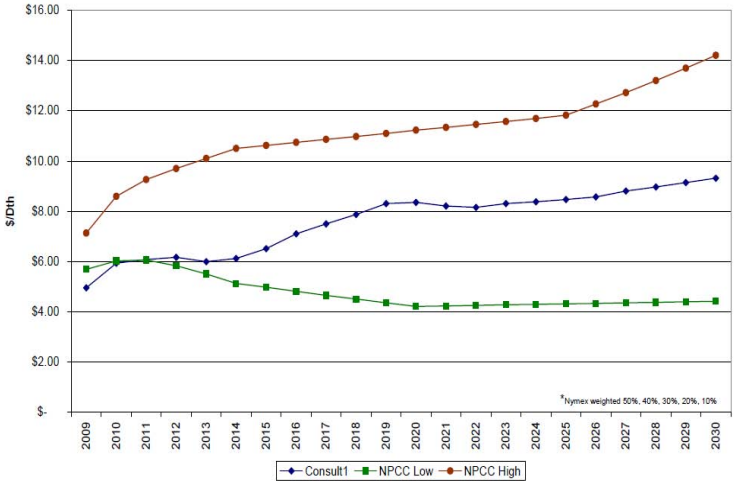
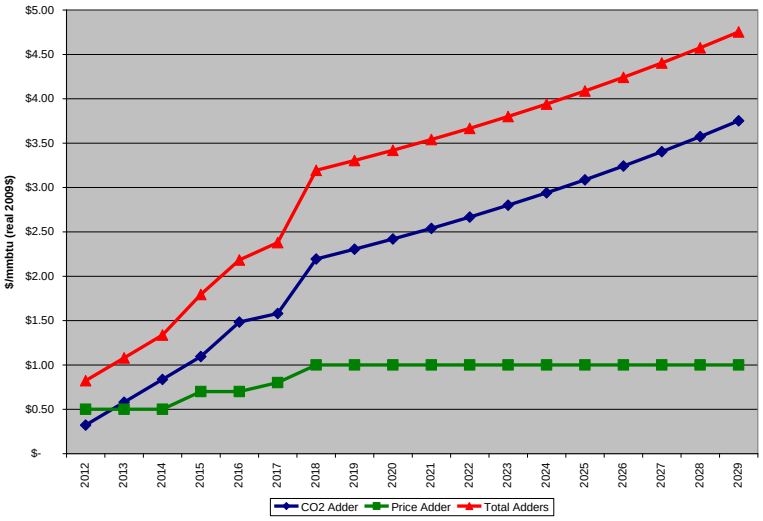


Figure 3 – Price Elasticity Factors

	Real Price annual increase within 30%	Real Price annual increase exceeds 30%
High	Negative .20	Negative .30
Expected	Negative .13	Negative .13
Low	No response	Negative .10

Figure 4 –Carbon Cost Adders (Carbon Mitigation 1)



APPENDIX 3.8

ANNUAL AND PEAK DAY DEMAND DATA

Appendix 3.8 - Annual Demand, Average Day Demand and Peak Day Demand (Net of DSM)

Case	Gas Year	Annual Demand Klamath (MDth)	Daily Demand Klamath (MDth/day)	Peak Day Klamath (MDth/day)	Annual Demand La Grande (MDth)	Daily Demand La Grande (MDth/day)	Peak Day La Grande (MDth/day)	Annual Demand Medford/Roseburg (MDth)	Daily Demand Medford/Roseburg (MDth/day)	Peak Day Medford/Roseburg (MDth/day)
High	2009-2010	1,340.72	3.673	12.577	770.71	2.112	7.882	6,720.22	18.412	70.11
High	2010-2011	1,362.56	3.733	12.668	756.85	2.074	7.843	6,740.68	18.468	70.34
High	2011-2012	1,412.17	3.858	13.097	760.50	2.078	7.989	6,931.09	18.937	72.20
High	2012-2013	1,456.60	3.991	13.610	763.86	2.093	8.135	7,164.78	19.630	75.56
High	2013-2014	1,488.65	4.078	14.156	766.61	2.100	8.260	7,412.83	20.309	78.80
High	2014-2015	1,523.77	4.175	14.535	766.98	2.101	8.383	7,667.70	21.007	82.16
High	2015-2016	1,560.02	4.262	14.852	769.78	2.103	8.478	7,918.70	21.636	85.40
High	2016-2017	1,593.14	4.365	15.232	770.41	2.111	8.600	8,146.22	22.318	88.84
High	2017-2018	1,627.06	4.458	15.610	770.44	2.111	8.726	8,352.58	22.884	92.14
High	2018-2019	1,658.91	4.545	15.991	770.55	2.111	8.847	8,538.84	23.394	95.27
High	2019-2020	1,695.62	4.633	16.369	777.50	2.124	8.973	8,773.99	23.973	98.26
High	2020-2021	1,730.59	4.741	16.750	784.74	2.150	9.095	9,000.59	24.659	101.30
High	2021-2022	1,768.46	4.845	17.132	793.60	2.174	9.217	9,218.80	25.257	104.32
High	2022-2023	1,807.17	4.951	17.514	802.96	2.200	9.345	9,461.76	25.923	107.35
High	2023-2024	1,848.58	5.051	17.906	812.32	2.219	9.473	9,710.37	26.531	110.41
High	2024-2025	1,886.39	5.168	18.297	820.97	2.249	9.604	9,928.93	27.203	113.50
High	2025-2026	1,925.47	5.275	18.690	829.89	2.274	9.733	10,147.89	27.802	116.43
High	2026-2027	1,965.33	5.384	19.081	839.46	2.300	9.865	10,362.38	28.390	119.25
High	2027-2028	2,005.57	5.480	19.475	850.19	2.323	9.993	10,590.38	28.935	122.07
High	2028-2029	2,042.90	5.597	19.868	856.91	2.348	10.126	10,784.57	29.547	124.89

Case	Gas Year	Annual Demand Oregon (MDth)	Daily Demand Oregon (MDth/day)	Peak Day Demand Oregon (MDth/day)	Annual Demand WA/ID (MDth)	Daily Demand WA/ID (MDth/day)	Peak Day WA/ID (MDth/day)	Annual Demand Total System (MDth)	Daily Demand Total System (MDth/day)	Peak Day Demand Total System (MDth/day)
High	2009-2010	8,831.658	24.196	90.573	26,676.459	73.086	279.384	35,508.117	97.283	369.957
High	2010-2011	8,860.098	24.274	90.855	26,733.275	73.242	279.897	35,593.373	97.516	370.752
High	2011-2012	9,103.768	24.874	93.286	27,127.241	74.118	287.303	36,231.009	98.992	380.589
High	2012-2013	9,385.241	25.713	97.310	27,650.283	75.754	294.956	37,035.525	101.467	392.265
High	2013-2014	9,668.089	26.488	101.221	28,293.395	77.516	302.748	37,961.483	104.004	403.969
High	2014-2015	9,958.455	27.283	105.081	28,962.324	79.349	310.536	38,920.778	106.632	415.616
High	2015-2016	10,248.502	28.001	108.731	29,516.994	80.648	316.840	39,765.497	108.649	425.571
High	2016-2017	10,509.774	28.794	112.673	30,027.442	82.267	324.559	40,537.216	111.061	437.231
High	2017-2018	10,750.075	29.452	116.477	30,622.956	83.899	332.552	41,373.031	113.351	449.029
High	2018-2019	10,968.303	30.050	120.108	31,253.974	85.627	340.559	42,222.276	115.677	460.667
High	2019-2020	11,247.113	30.730	123.605	31,976.453	87.367	348.961	43,223.567	118.097	472.566
High	2020-2021	11,515.923	31.550	127.147	32,697.751	89.583	357.585	44,213.675	121.133	484.732
High	2021-2022	11,780.858	32.276	130.671	33,441.452	91.620	366.311	45,222.310	123.897	496.982
High	2022-2023	12,071.896	33.074	134.206	34,206.603	93.717	375.171	46,278.499	126.790	509.377
High	2023-2024	12,371.274	33.801	137.784	35,016.400	95.673	384.021	47,387.674	129.475	521.805
High	2024-2025	12,636.299	34.620	141.397	35,754.261	97.957	393.081	48,390.560	132.577	534.478
High	2025-2026	12,903.252	35.351	144.854	36,578.506	100.215	402.133	49,481.758	135.566	546.987
High	2026-2027	13,167.164	36.074	148.198	37,341.572	102.306	411.069	50,508.736	138.380	559.267
High	2027-2028	13,446.137	36.738	151.536	38,196.855	104.363	420.723	51,642.992	141.101	572.258
High	2028-2029	13,684.391	37.491	154.883	38,985.923	106.811	430.079	52,670.314	144.302	584.962

Appendix 3.8 - Annual Demand, Average Day Demand and Peak Day Demand (Net of DSM)

Case	Gas Year	Annual Demand Klamath (MDth)	Daily Demand Klamath (MDth/day)	Peak Day Klamath (MDth/day)	Annual Demand La Grande (MDth)	Daily Demand La Grande (MDth/day)	Peak Day La Grande (MDth/day)	Annual Demand Medford/Roseburg (MDth)	Daily Demand Medford/Roseburg (MDth/day)	Peak Day Medford/Roseburg (MDth/day)
Low	2009-2010	1,337.12	3.663	12.583	773.82	2.120	7.862	6,701.22	18.360	70.10
Low	2010-2011	1,345.15	3.685	12.641	763.00	2.090	7.870	6,686.26	18.319	70.38
Low	2011-2012	1,314.43	3.591	12.224	732.83	2.002	7.569	6,487.96	17.727	67.93
Low	2012-2013	1,272.33	3.486	11.775	699.75	1.917	7.235	6,295.55	17.248	65.62
Low	2013-2014	1,266.76	3.471	11.695	690.64	1.892	7.226	6,307.21	17.280	65.29
Low	2014-2015	1,272.43	3.486	11.781	683.19	1.872	7.249	6,347.52	17.390	66.17
Low	2015-2016	1,278.76	3.494	11.729	677.97	1.852	7.203	6,386.87	17.450	66.53
Low	2016-2017	1,282.85	3.515	11.784	671.00	1.838	7.212	6,415.18	17.576	67.31
Low	2017-2018	1,287.63	3.528	11.853	663.81	1.819	7.226	6,436.69	17.635	68.13
Low	2018-2019	1,291.00	3.537	11.902	656.79	1.799	7.232	6,450.39	17.672	68.79
Low	2019-2020	1,298.30	3.547	11.974	655.74	1.792	7.247	6,502.85	17.767	69.51
Low	2020-2021	1,304.16	3.573	12.046	654.74	1.794	7.264	6,548.36	17.941	70.24
Low	2021-2022	1,312.31	3.595	12.121	655.32	1.795	7.280	6,590.31	18.056	70.98
Low	2022-2023	1,321.46	3.620	12.204	656.35	1.798	7.302	6,650.98	18.222	71.75
Low	2023-2024	1,332.74	3.641	12.288	657.49	1.796	7.323	6,716.34	18.351	72.53
Low	2024-2025	1,341.30	3.675	12.368	657.99	1.803	7.346	6,765.18	18.535	73.30
Low	2025-2026	1,351.12	3.702	12.453	658.96	1.805	7.367	6,818.80	18.682	74.04
Low	2026-2027	1,361.43	3.730	12.527	660.31	1.809	7.386	6,871.65	18.826	74.70
Low	2027-2028	1,372.00	3.749	12.598	662.70	1.811	7.401	6,933.82	18.945	75.34
Low	2028-2029	1,380.59	3.782	12.670	661.89	1.813	7.419	6,972.19	19.102	75.98

Case	Gas Year	Annual Demand Oregon (MDth)	Daily Demand Oregon (MDth/day)	Peak Day Demand Oregon (MDth/day)	Annual Demand WA/ID (MDth)	Daily Demand WA/ID (MDth/day)	Peak Day WA/ID (MDth/day)	Annual Demand Total System (MDth)	Daily Demand Total System (MDth/day)	Peak Day Demand Total System (MDth/day)
Low	2009-2010	8,812.164	24.143	90.540	26,243.358	71.900	274.715	35,055.522	96.043	365.255
Low	2010-2011	8,794.406	24.094	90.889	26,102.370	71.513	274.092	34,896.775	95.608	364.981
Low	2011-2012	8,535.216	23.320	87.721	25,009.310	68.331	262.543	33,544.526	91.652	350.264
Low	2012-2013	8,267.626	22.651	84.635	23,916.075	65.523	249.615	32,183.701	88.175	334.250
Low	2013-2014	8,264.603	22.643	84.207	23,748.996	65.066	248.402	32,013.599	87.708	332.608
Low	2014-2015	8,303.142	22.748	85.203	23,718.724	64.983	248.483	32,021.865	87.731	333.685
Low	2015-2016	8,343.596	22.797	85.462	23,602.714	64.488	245.559	31,946.310	87.285	331.021
Low	2016-2017	8,369.023	22.929	86.310	23,459.001	64.271	244.962	31,828.023	87.200	331.272
Low	2017-2018	8,388.128	22.981	87.207	23,381.299	64.058	244.815	31,769.427	87.040	332.021
Low	2018-2019	8,398.186	23.009	87.923	23,329.666	63.917	244.158	31,727.851	86.926	332.080
Low	2019-2020	8,456.890	23.106	88.732	23,341.516	63.775	244.151	31,798.406	86.881	332.883
Low	2020-2021	8,507.259	23.308	89.551	23,347.980	63.967	244.216	31,855.238	87.275	333.768
Low	2021-2022	8,557.939	23.446	90.385	23,371.023	64.030	244.378	31,928.962	87.477	334.764
Low	2022-2023	8,628.789	23.641	91.257	23,406.708	64.128	244.685	32,035.498	87.768	335.942
Low	2023-2024	8,706.566	23.788	92.136	23,475.594	64.141	244.863	32,182.160	87.929	336.999
Low	2024-2025	8,764.479	24.012	93.017	23,492.075	64.362	245.064	32,256.554	88.374	338.081
Low	2025-2026	8,828.883	24.189	93.858	23,567.569	64.569	245.288	32,396.452	88.757	339.146
Low	2026-2027	8,893.386	24.365	94.608	23,610.600	64.687	245.235	32,503.986	89.052	339.843
Low	2027-2028	8,968.526	24.504	95.334	23,735.620	64.851	245.845	32,704.146	89.356	341.179
Low	2028-2029	9,014.674	24.698	96.070	23,821.781	65.265	246.380	32,836.455	89.963	342.450

Appendix 3.8 - Annual Demand, Average Day Demand and Peak Day Demand (Net of DSM)

Case	Gas Year	Annual Demand Klamath (MDth)	Daily Demand Klamath (MDth/day)	Peak Day Klamath (MDth/day)	Annual Demand La Grande (MDth)	Daily Demand La Grande (MDth/day)	Peak Day La Grande (MDth/day)	Annual Demand Medford/Roseburg (MDth)	Daily Demand Medford/Roseburg (MDth/day)	Peak Day Medford/Roseburg (MDth/day)
Coldest in 20	2009-2010	1,352.83	3.706	12.714	782.49	2.144	7.980	6,705.62	18.372	67.86
Coldest in 20	2010-2011	1,355.22	3.713	12.632	762.62	2.089	7.865	6,647.39	18.212	67.27
Coldest in 20	2011-2012	1,385.92	3.787	12.901	761.53	2.081	7.953	6,742.72	18.423	68.40
Coldest in 20	2012-2013	1,410.62	3.865	13.230	759.82	2.082	8.045	6,872.22	18.828	70.51
Coldest in 20	2013-2014	1,426.96	3.909	13.581	758.04	2.077	8.121	7,016.72	19.224	72.53
Coldest in 20	2014-2015	1,447.85	3.967	13.822	754.18	2.066	8.196	7,164.50	19.629	74.64
Coldest in 20	2015-2016	1,449.60	3.961	13.802	742.36	2.028	8.116	7,215.42	19.714	75.43
Coldest in 20	2016-2017	1,468.46	4.023	14.038	738.99	2.025	8.189	7,341.97	20.115	77.55
Coldest in 20	2017-2018	1,487.99	4.077	14.274	735.26	2.014	8.263	7,454.14	20.422	79.58
Coldest in 20	2018-2019	1,505.78	4.125	14.509	731.58	2.004	8.336	7,552.67	20.692	81.51
Coldest in 20	2019-2020	1,527.98	4.175	14.746	734.54	2.007	8.410	7,695.62	21.026	83.35
Coldest in 20	2020-2021	1,548.51	4.242	14.981	737.71	2.021	8.484	7,830.69	21.454	85.22
Coldest in 20	2021-2022	1,571.74	4.306	15.218	742.47	2.034	8.558	7,959.91	21.808	87.07
Coldest in 20	2022-2023	1,595.92	4.372	15.458	747.77	2.049	8.634	8,111.05	22.222	88.94
Coldest in 20	2023-2024	1,622.47	4.433	15.705	753.01	2.057	8.713	8,267.14	22.588	90.84
Coldest in 20	2024-2025	1,645.98	4.510	15.953	757.65	2.076	8.793	8,400.13	23.014	92.76
Coldest in 20	2025-2026	1,670.60	4.577	16.202	762.63	2.089	8.874	8,535.62	23.385	94.57
Coldest in 20	2026-2027	1,695.99	4.647	16.450	768.16	2.105	8.954	8,668.45	23.749	96.32
Coldest in 20	2027-2028	1,721.59	4.704	16.699	774.78	2.117	9.034	8,813.14	24.080	98.06
Coldest in 20	2028-2029	1,744.75	4.780	16.948	777.78	2.131	9.114	8,928.54	24.462	99.81

Case	Gas Year	Annual Demand Oregon (MDth)	Daily Demand Oregon (MDth/day)	Peak Day Demand Oregon (MDth/day)	Annual Demand WA/ID (MDth)	Daily Demand WA/ID (MDth/day)	Peak Day WA/ID (MDth/day)	Annual Demand Total System (MDth)	Daily Demand Total System (MDth/day)	Peak Day Demand Total System (MDth/day)
Coldest in 20	2009-2010	8,840.943	24.222	88.557	26,134.146	71.600	252.675	34,975.090	95.822	341.233
Coldest in 20	2010-2011	8,765.222	24.014	87.771	25,834.207	70.779	249.428	34,599.430	94.793	337.199
Coldest in 20	2011-2012	8,890.171	24.290	89.251	25,908.593	70.789	252.868	34,798.763	95.079	342.119
Coldest in 20	2012-2013	9,042.658	24.774	91.781	26,089.316	71.478	256.456	35,131.974	96.252	348.237
Coldest in 20	2013-2014	9,201.719	25.210	94.236	26,382.370	72.280	260.127	35,584.089	97.491	354.363
Coldest in 20	2014-2015	9,366.538	25.662	96.656	26,700.351	73.152	263.800	36,066.888	98.813	360.456
Coldest in 20	2015-2016	9,407.379	25.703	97.348	26,513.151	72.440	262.175	35,920.530	98.144	359.523
Coldest in 20	2016-2017	9,549.419	26.163	99.778	26,687.201	73.116	265.710	36,236.620	99.278	365.489
Coldest in 20	2017-2018	9,677.386	26.513	102.120	26,936.822	73.800	269.412	36,614.208	100.313	371.532
Coldest in 20	2018-2019	9,790.033	26.822	104.355	27,217.476	74.568	273.119	37,007.509	101.390	377.474
Coldest in 20	2019-2020	9,958.131	27.208	106.505	27,574.517	75.340	277.060	37,532.648	102.548	383.565
Coldest in 20	2020-2021	10,116.912	27.718	108.682	27,929.417	76.519	281.155	38,046.329	104.237	389.837
Coldest in 20	2021-2022	10,274.121	28.148	110.851	28,303.189	77.543	285.316	38,577.310	105.691	396.167
Coldest in 20	2022-2023	10,454.739	28.643	113.033	28,693.670	78.613	289.555	39,148.409	107.256	402.588
Coldest in 20	2023-2024	10,642.620	29.078	115.255	29,123.372	79.572	293.788	39,765.991	108.650	409.043
Coldest in 20	2024-2025	10,803.760	29.599	117.502	29,491.036	80.797	298.156	40,294.796	110.397	415.659
Coldest in 20	2025-2026	10,968.847	30.052	119.649	29,931.132	82.003	302.521	40,899.979	112.055	422.170
Coldest in 20	2026-2027	11,132.598	30.500	121.722	30,324.657	83.081	306.816	41,457.255	113.582	428.538
Coldest in 20	2027-2028	11,309.498	30.900	123.795	30,804.986	84.167	311.768	42,114.484	115.067	435.563
Coldest in 20	2028-2029	11,451.065	31.373	125.869	31,234.040	85.573	316.548	42,685.105	116.945	442.417

Appendix 3.8 - Annual Demand, Average Day Demand and Peak Day Demand (Net of DSM)

Case	Gas Year	Annual Demand Klamath (MDth)	Daily Demand Klamath (MDth/day)	Peak Day Klamath (MDth/day)	Annual Demand La Grande (MDth)	Daily Demand La Grande (MDth/day)	Peak Day La Grande (MDth/day)	Annual Demand Medford/Roseburg (MDth)	Daily Demand Medford/Roseburg (MDth/day)	Peak Day Medford/Roseburg (MDth/day)
Supply Constrained	2009-2010	1,352.83	3.706	12.714	782.49	2.144	7.980	6,740.51	18.467	70.44
Supply Constrained	2010-2011	1,278.99	3.504	11.685	718.19	1.968	7.265	6,321.62	17.320	64.58
Supply Constrained	2011-2012	1,293.12	3.533	11.747	708.91	1.937	7.231	6,345.09	17.336	64.63
Supply Constrained	2012-2013	1,304.49	3.574	11.900	700.97	1.920	7.223	6,413.14	17.570	65.80
Supply Constrained	2013-2014	1,308.74	3.586	12.074	693.53	1.900	7.205	6,497.34	17.801	66.90
Supply Constrained	2014-2015	1,327.55	3.637	12.284	690.16	1.891	7.269	6,634.70	18.177	68.82
Supply Constrained	2015-2016	1,318.29	3.602	12.118	673.93	1.841	7.109	6,632.97	18.123	68.71
Supply Constrained	2016-2017	1,327.77	3.638	12.228	667.32	1.828	7.117	6,715.59	18.399	70.09
Supply Constrained	2017-2018	1,339.61	3.670	12.357	661.43	1.812	7.136	6,793.69	18.613	71.49
Supply Constrained	2018-2019	1,346.42	3.689	12.440	654.00	1.792	7.129	6,843.05	18.748	72.52
Supply Constrained	2019-2020	1,362.04	3.721	12.586	654.74	1.789	7.159	6,954.23	19.001	73.83
Supply Constrained	2020-2021	1,376.22	3.770	12.736	655.65	1.796	7.192	7,057.83	19.337	75.18
Supply Constrained	2021-2022	1,392.05	3.814	12.877	657.68	1.802	7.220	7,154.14	19.600	76.47
Supply Constrained	2022-2023	1,409.39	3.861	13.027	660.53	1.810	7.254	7,271.79	19.923	77.79
Supply Constrained	2023-2024	1,429.64	3.906	13.191	663.80	1.814	7.295	7,398.16	20.214	79.19
Supply Constrained	2024-2025	1,448.58	3.969	13.378	667.16	1.828	7.350	7,510.15	20.576	80.74
Supply Constrained	2025-2026	1,466.90	4.019	13.542	670.11	1.836	7.392	7,616.65	20.868	82.05
Supply Constrained	2026-2027	1,483.51	4.064	13.675	672.48	1.842	7.417	7,709.81	21.123	83.12
Supply Constrained	2027-2028	1,500.33	4.099	13.804	675.79	1.846	7.441	7,813.03	21.347	84.16
Supply Constrained	2028-2029	1,514.46	4.149	13.932	675.91	1.852	7.464	7,888.96	21.614	85.19

Case	Gas Year	Annual Demand Oregon (MDth)	Daily Demand Oregon (MDth/day)	Peak Day Demand Oregon (MDth/day)	Annual Demand WA/ID (MDth)	Daily Demand WA/ID (MDth/day)	Peak Day WA/ID (MDth/day)	Annual Demand Total System (MDth)	Daily Demand Total System (MDth/day)	Peak Day Demand Total System (MDth/day)
Supply Constrained	2009-2010	8,875.829	24.317	91.131	26,220.981	71.838	274.582	35,096.810	96.156	365.713
Supply Constrained	2010-2011	8,318.804	22.791	83.526	24,370.873	66.770	249.938	32,689.676	89.561	333.464
Supply Constrained	2011-2012	8,347.110	22.806	83.606	24,138.467	65.952	249.057	32,485.577	88.758	332.663
Supply Constrained	2012-2013	8,418.607	23.065	84.919	24,061.976	65.923	249.092	32,480.583	88.988	334.012
Supply Constrained	2013-2014	8,499.604	23.287	86.182	24,097.684	66.021	249.288	32,597.288	89.308	335.471
Supply Constrained	2014-2015	8,652.408	23.705	88.372	24,367.409	66.760	252.452	33,019.816	90.465	340.824
Supply Constrained	2015-2016	8,625.187	23.566	87.934	23,966.825	65.483	247.261	32,592.011	89.049	335.195
Supply Constrained	2016-2017	8,710.677	23.865	89.432	23,962.795	65.651	248.159	32,673.472	89.516	337.591
Supply Constrained	2017-2018	8,794.731	24.095	90.985	24,059.442	65.916	249.642	32,854.172	90.011	340.626
Supply Constrained	2018-2019	8,843.468	24.229	92.090	24,111.136	66.058	250.065	32,954.604	90.287	342.155
Supply Constrained	2019-2020	8,971.000	24.511	93.574	24,327.999	66.470	252.100	33,298.999	90.981	345.673
Supply Constrained	2020-2021	9,089.708	24.903	95.113	24,546.519	67.251	254.368	33,636.227	92.154	349.481
Supply Constrained	2021-2022	9,203.881	25.216	96.562	24,768.553	67.859	256.440	33,972.435	93.075	353.002
Supply Constrained	2022-2023	9,341.713	25.594	98.075	25,015.271	68.535	258.726	34,356.984	94.129	356.801
Supply Constrained	2023-2024	9,491.598	25.933	99.680	25,309.744	69.152	261.179	34,801.342	95.086	360.859
Supply Constrained	2024-2025	9,625.883	26.372	101.468	25,580.405	70.083	264.248	35,206.287	96.456	365.715
Supply Constrained	2025-2026	9,753.664	26.722	102.988	25,876.686	70.895	266.741	35,630.349	97.617	369.729
Supply Constrained	2026-2027	9,865.800	27.030	104.212	26,089.390	71.478	268.463	35,955.190	98.507	372.675
Supply Constrained	2027-2028	9,989.157	27.293	105.406	26,381.226	72.080	270.804	36,370.383	99.373	376.210
Supply Constrained	2028-2029	10,079.331	27.615	106.587	26,617.492	72.925	272.932	36,696.823	100.539	379.519

Appendix 3.8 - Annual Demand, Average Day Demand and Peak Day Demand (Net of DSM)

Case	Gas Year	Annual Demand Klamath (MDth)	Daily Demand Klamath (MDth/day)	Peak Day Klamath (MDth/day)	Annual Demand La Grande (MDth)	Daily Demand La Grande (MDth/day)	Peak Day La Grande (MDth/day)	Annual Demand Medford/Roseburg (MDth)	Daily Demand Medford/Roseburg (MDth/day)	Peak Day Medford/Roseburg (MDth/day)
Green Future	2009-2010	1,352.83	3.706	12.714	782.49	2.144	7.980	6,741.43	18.470	70.44
Green Future	2010-2011	1,322.71	3.624	12.228	743.67	2.037	7.609	6,529.13	17.888	67.58
Green Future	2011-2012	1,343.88	3.672	12.378	737.69	2.016	7.626	6,582.61	17.985	68.10
Green Future	2012-2013	1,359.14	3.724	12.585	731.27	2.003	7.646	6,668.88	18.271	69.59
Green Future	2013-2014	1,369.85	3.753	12.853	726.87	1.991	7.678	6,785.74	18.591	71.22
Green Future	2014-2015	1,389.73	3.807	13.079	723.25	1.982	7.748	6,929.01	18.984	73.27
Green Future	2015-2016	1,329.73	3.633	12.265	679.89	1.858	7.197	6,687.18	18.271	69.54
Green Future	2016-2017	1,334.58	3.656	12.315	670.76	1.838	7.168	6,747.63	18.487	70.59
Green Future	2017-2018	1,343.21	3.680	12.404	663.19	1.817	7.163	6,810.42	18.659	71.75
Green Future	2018-2019	1,351.14	3.702	12.502	656.30	1.798	7.165	6,865.35	18.809	72.88
Green Future	2019-2020	1,364.03	3.727	12.612	655.70	1.792	7.174	6,963.67	19.026	73.98
Green Future	2020-2021	1,378.49	3.777	12.766	656.74	1.799	7.209	7,068.61	19.366	75.36
Green Future	2021-2022	1,396.32	3.826	12.932	659.70	1.807	7.252	7,174.33	19.656	76.79
Green Future	2022-2023	1,414.95	3.877	13.099	663.13	1.817	7.295	7,298.19	19.995	78.22
Green Future	2023-2024	1,434.44	3.919	13.254	666.02	1.820	7.331	7,420.96	20.276	79.57
Green Future	2024-2025	1,453.74	3.983	13.446	669.52	1.834	7.388	7,534.69	20.643	81.14
Green Future	2025-2026	1,471.58	4.032	13.603	672.23	1.842	7.426	7,638.86	20.928	82.42
Green Future	2026-2027	1,489.50	4.081	13.753	675.18	1.850	7.460	7,738.24	21.201	83.59
Green Future	2027-2028	1,507.06	4.118	13.892	678.81	1.855	7.489	7,845.01	21.434	84.69
Green Future	2028-2029	1,522.62	4.172	14.039	679.51	1.862	7.522	7,927.56	21.719	85.84

Case	Gas Year	Annual Demand Oregon (MDth)	Daily Demand Oregon (MDth/day)	Peak Day Demand Oregon (MDth/day)	Annual Demand WA/ID (MDth)	Daily Demand WA/ID (MDth/day)	Peak Day WA/ID (MDth/day)	Annual Demand Total System (MDth)	Daily Demand Total System (MDth/day)	Peak Day Demand Total System (MDth/day)
Green Future	2009-2010	8,876.748	24.320	91.133	26,221.195	71.839	274.583	35,097.943	96.159	365.716
Green Future	2010-2011	8,595.502	23.549	87.421	25,259.066	69.203	262.017	33,854.568	92.752	349.438
Green Future	2011-2012	8,664.177	23.673	88.109	25,154.544	68.728	263.103	33,818.721	92.401	351.212
Green Future	2012-2013	8,759.288	23.998	89.820	25,151.067	68.907	264.291	33,910.356	92.905	354.111
Green Future	2013-2014	8,882.456	24.335	91.754	25,324.607	69.382	266.502	34,207.063	93.718	358.256
Green Future	2014-2015	9,041.999	24.773	94.100	25,619.898	70.192	270.087	34,661.898	94.964	364.187
Green Future	2015-2016	8,696.807	23.762	89.000	24,196.578	66.111	250.522	32,893.384	89.873	339.522
Green Future	2016-2017	8,752.969	23.981	90.069	24,097.903	66.022	250.100	32,850.873	90.002	340.169
Green Future	2017-2018	8,816.822	24.156	91.321	24,130.278	66.110	250.658	32,947.100	90.266	341.979
Green Future	2018-2019	8,872.791	24.309	92.542	24,206.037	66.318	251.448	33,078.828	90.627	343.990
Green Future	2019-2020	8,983.401	24.545	93.766	24,368.029	66.579	252.675	33,351.429	91.124	346.441
Green Future	2020-2021	9,103.833	24.942	95.333	24,592.457	67.377	255.025	33,696.291	92.319	350.358
Green Future	2021-2022	9,230.341	25.289	96.977	24,854.409	68.094	257.696	34,084.751	93.383	354.673
Green Future	2022-2023	9,376.272	25.688	98.618	25,127.755	68.843	260.384	34,504.027	94.532	359.002
Green Future	2023-2024	9,521.418	26.015	100.150	25,407.768	69.420	262.620	34,929.186	95.435	362.770
Green Future	2024-2025	9,657.962	26.460	101.977	25,685.438	70.371	265.800	35,343.400	96.831	367.777
Green Future	2025-2026	9,782.670	26.802	103.451	25,972.245	71.157	268.163	35,754.915	97.959	371.614
Green Future	2026-2027	9,902.917	27.131	104.806	26,211.486	71.812	270.278	36,114.403	98.944	375.083
Green Future	2027-2028	10,030.878	27.407	106.074	26,518.640	72.455	272.852	36,549.518	99.862	378.927
Green Future	2028-2029	10,129.690	27.753	107.398	26,784.852	73.383	275.441	36,914.543	101.136	382.839