

2006

**ANNUAL SURVEY OF WHOLESALE CUSTOMERS:
SUMMARY OF RESULTS**



Seattle
 Public
Utilities

June 2008

RESULTS OF THE 2006 SEATTLE SURVEY OF WHOLESALE CUSTOMERS

Each year, Seattle Public Utilities (SPU) asks its wholesale customers to provide information on their current and forecast water demand (both retail and wholesale), sources of supply (in addition to SPU), and their water and sewer rates. A complete set of this data by wholesale customer and by year is of critical importance in Seattle Public Utilities' efforts to better forecast wholesale demand. Wholesale customers often find the current and historical information provided in this report useful in their own analysis and planning. It also allows them to see how they compare to other wholesale customers and Seattle in a number of areas.

This report summarizes much of the data that was collected in the 2006 wholesale customer survey and is the 13th year the report has appeared in this format. *Seattle Public Utilities appreciates the time and effort each wholesale customer has taken in completing and returning the survey.* Comparative information is presented on water rates, bills and consumption patterns. Questions about this report or the survey data should be directed to Bruce Flory at (206) 684-5859.

Overview

About half the water produced by Seattle Public Utilities is sold directly to consumers in Seattle's direct service area. The rest is sold wholesale to 25 neighboring cities and water districts. These wholesale customers are listed below.

Wholesale Customers of Seattle Public Utilities

<u>Cities</u>	<u>Water Districts</u>
· City of Bellevue ¹	· Cedar River Water & Sewer District
· City of Bothell	· Coal Creek Utility District
· City of Duvall	· Highline Water District
· City of Edmonds	· Lake Forest Park Water District
· City of Kirkland ¹	· Northshore Utility District
· City of Mercer Island	· Olympic View Water & Sewer District
· City of Redmond ¹	· Shoreline Water District
· City of Renton	· Skyway Water & Sewer District ^{1,2}
· City of Tukwila ¹	· Soos Creek Water & Sewer District
	· Woodinville Water District
	· Water District No. 20 ³
	· Water District No. 45
	· Water District No. 49
	· Water District No. 90
	· Water District No. 119
	· Water District No. 125

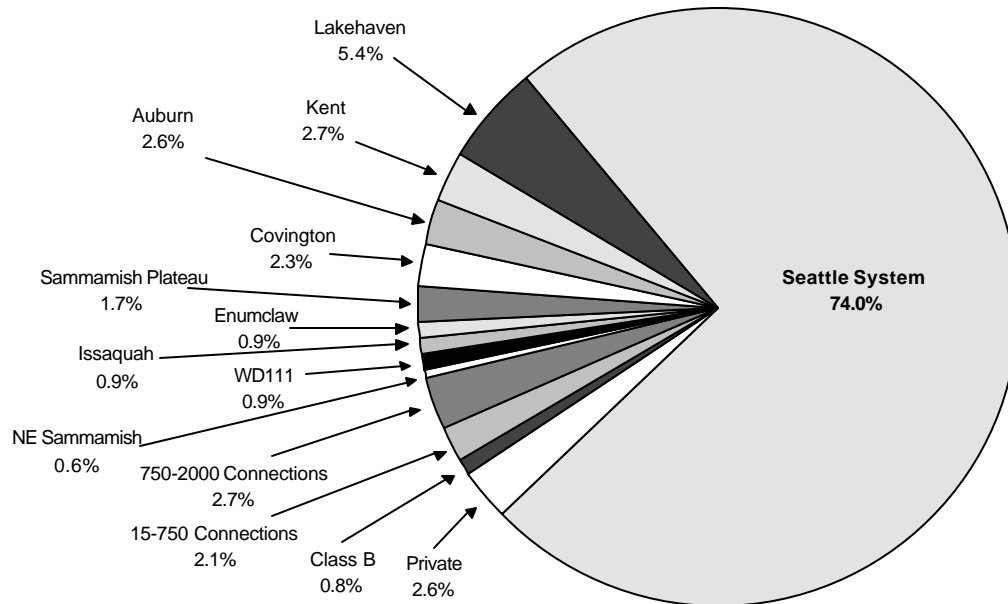
¹ Bellevue, Kirkland, Redmond, Skyway, and Tukwila are members of the Cascade Water Alliance which signed a block supply contract with SPU effective January 1, 2004.

² Skyway and Bryn Mawr-Lakeridge merged in 1999. The name of the merged utility was changed to Skyway in 2002.

³ Water District 85 was merged with Water District 20 in 2003.

While there are almost 1,500 public water systems in King County and an estimated fourteen thousand private systems, the 45 largest water utilities serve 95% of the county's population. Seattle and its wholesale customers alone provide water to about 74% of the population of King County as well as 43,000 people in the southwest corner of Snohomish County.

Percent of Population Served by Water Providers in King County



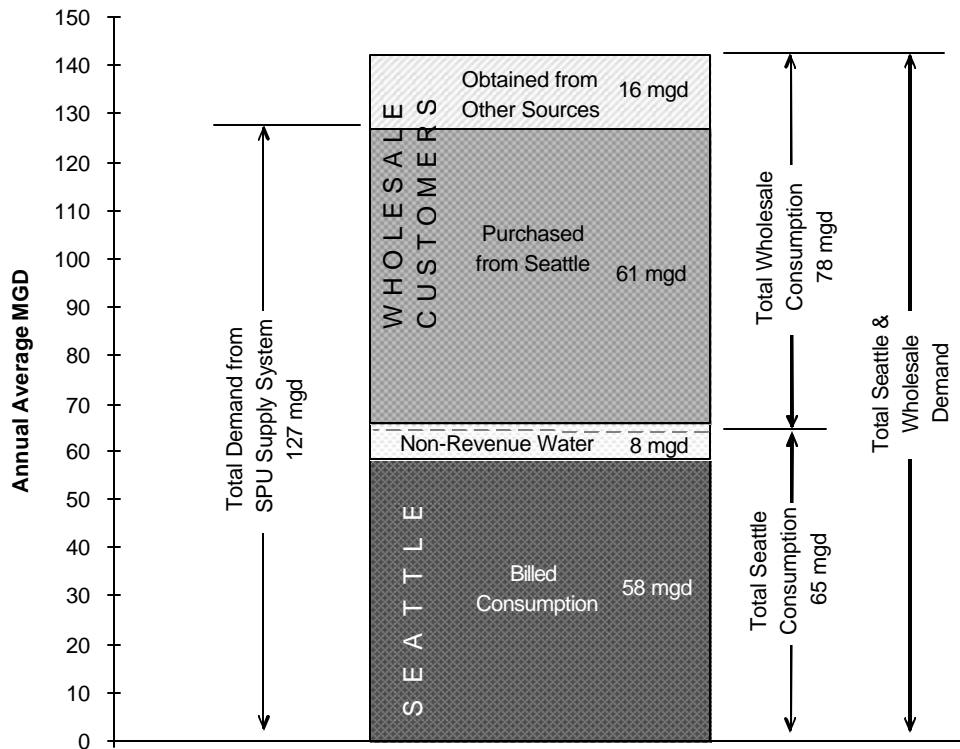
Supply: Seattle Public Utilities has two surface water sources and a small ground water source: the Cedar River system, the South Fork Tolt Reservoir, and the Seattle Well Field (used primarily for summer peaking). On average, the Cedar River system provides about 70 percent of total supply, the South Fork Tolt system delivers 29 percent, and the Seattle Well Field delivers 1 percent. With the addition of the Tolt Treatment Facility in 2001, total annual average firm yield from the current system is estimated at 171 mgd.

A number of Seattle's wholesale customers have their own sources of supply, which reduce their demand from Seattle. These utilities and the approximate annual capacity of their sources are listed below:

- **Edmonds** – Purchased all of its water from Alderwood in 2005.
- **Highline** - Wells, 1.9 mgd
- **Lake Forest Park** - Well, 0.4 mgd
- **Olympic View** - Surface Water, 0.5 mgd
- **Redmond** - Wells, 2.7 mgd
- **Renton** - Wells, 13.2 mgd.
- **Skyway** - Well, 0.2 mgd
- **Water District 90** - 0.6 mgd

Demand: Seattle and wholesale water demand totaled 142 mgd in 2005, down from 158 mgd in 2004. Of that, 127 mgd came from the SPU supply system and 16 mgd was obtained from wholesale customers' own sources of supply. Various components of Seattle and wholesale demand are shown in the chart, below⁴. Seattle demand was 65 mgd including 7 mgd of non-revenue water. Total wholesale demand of 78 mgd consisted of 62 mgd from Seattle (61 mgd purchased and 1 mgd transmission losses) and 16 mgd obtained from other sources. Included in wholesale demand, but not shown separately on the chart, is about 5 mgd of distribution system non-revenue water.

Components of Seattle and Wholesale Water Demand: 2005



⁴ Components may not add to total due to rounding.

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Table 1.1
A Comparison of 2006 Residential Rates

Purveyor:	3/4" mtr ch per month	Includes Minimum	Seasonal		Inclined Block					
			Winter	Summer*	1st	2nd	3rd	4th	5th	Break Points**
W.D. 20	\$16.00	0	\$1.25	\$2.06	-	-	-	-	-	-
W.D. 45	\$13.50	0	-	-	\$1.75	\$2.75	\$3.75	-	-	5/25
W.D. 49	\$8.80	0	-	-	\$2.10	-	-	-	-	-
W.D. 90	\$17.25	2.5	-	-	\$2.20	\$2.60	\$3.10	-	-	8/13
W.D. 119***	\$22.25	0	Block	Block	\$1.55/\$1.94***	\$2.30/\$2.86***	\$3.10/\$3.88***	\$3.91/\$4.89***	-	7/14/21
W.D. 125	\$10.50	0	\$2.20	\$2.60	-	-	-	-	-	-
Bellevue	\$11.45	0	-	-	\$2.28	\$3.15	\$4.05	\$6.02	-	10/15/50
Bothell	\$9.72	0	-	-	\$1.97	\$2.87	\$3.72	\$4.74	\$5.41	5/10/15/25
Cedar River	\$15.00	2.5	-	-	\$1.94	\$3.40	\$3.69	\$5.98	-	5 /15/25
Coal Creek	\$13.30	0	-	-	\$2.12	\$2.76	\$3.52	\$5.05	-	5/15/50
Duvall	\$19.80	2	-	-	\$2.94	\$3.79	\$4.63	\$5.48	\$6.33	4/6/8/10
Edmonds	\$8.26	0	-	-	\$1.71	-	-	-	-	-
Lake Forest Park	\$25.24	0	-	-	\$2.20	-	-	-	-	-
Highline	\$7.00	0	\$2.91	\$3.80	-	-	-	-	-	-
Kirkland	\$12.04	2	-	-	\$2.88	\$3.78	-	-	-	12
Mercer Island***	\$6.50	0	Block	Block	\$1.21	\$1.93	\$2.99/\$3.14***	\$4.10/\$4.80***	-	4/8/12
Northshore	\$11.50	0	-	-	\$1.80	\$2.75	\$3.70	\$4.65	-	6.5/8.5/12.5
Olympic View***	\$10.87	0	Block	Block	\$1.53/\$1.64***	\$2.24/\$2.56***	-	-	-	20
Redmond	\$8.72	0	-	-	\$1.23	\$2.39	\$3.54	\$4.69	-	5/11/20
Renton	\$11.03	0	-	-	\$1.85	\$1.98	-	-	-	10
Shoreline	\$17.46	0	-	-	\$1.66	\$1.80	\$2.20	\$3.14	\$4.20	2/4/9/20
Skyway	\$10.33	0	-	-	\$2.29	\$2.90	\$3.66	\$4.63	-	4/6/12
Soos Creek***	\$8.50	0	Block	Block	\$1.27	\$2.25/\$2.70***	\$2.70/\$3.24***	\$3.10/\$3.72***	-	5/10/15
Tukwila	\$6.00	0	\$2.15	\$2.98	-	-	-	-	-	-
Woodinville	\$10.56	0	-	-	\$2.38	\$3.52	\$4.55	\$5.68	-	6/12/25
Seattle***	\$7.45	0	\$2.53	Block	\$2.88	\$3.35	\$8.55	-	-	5/18

* All utilities with seasonal rates use a 4 month peak season except Soos Creek which has a 3 month peak season.

** Break Points are the number of ccf per month at which the next rate block is attained. For example, W.D. 45 charges \$1.75 per ccf for the first 5 ccf consumed, \$2.75 per ccf for the next 20 ccf per month, and \$3.75 per ccf for all consumption in excess of 25 ccf per month.

*** WD 119, Mercer Island, Olympic View, Soos Creek, and Seattle have both seasonal and block rates. For example, WD 119's 2nd block rate of \$2.30/ccf increases to \$2.86 during the peak season.

Table 1.2
A Comparison of 2006 Commercial Rates

Purveyor:	2" mtr ch per month	Includes Minimum	Seasonal		Inclined Block					
			Winter	Summer*	1st	2nd	3rd	4th	5th	Break Points**
W.D. 20	\$80.00	0	\$1.25	\$2.06	-	-	-	-	-	-
W.D. 45	\$13.50	0	-	-	\$1.75	\$2.75	\$3.75	-	-	5/25
W.D. 49	\$112.80	0	-	-	\$2.10	-	-	-	-	-
W.D. 90	\$50.00	2.5	-	-	\$3.10	-	-	-	-	-
W.D. 119***	\$35.21	0	Block	Block	\$1.55/\$1.94***	\$2.30/\$2.86***	\$3.10/\$3.88***	\$3.91/\$4.89***	-	7/14/21
W.D. 125	\$35.75	0	\$2.20	\$2.60	-	-	-	-	-	-
Bellevue	\$52.68	0	\$2.33	\$3.26	-	-	-	-	-	-
Bothell	\$94.78	0	\$2.29	\$3.92	-	-	-	-	-	-
Cedar River	\$50.58	2.5	-	-	\$1.94	\$3.40	\$3.69	\$5.98	-	5 /15/25
Coal Creek	\$70.75	0	\$2.44	\$3.19	-	-	-	-	-	-
Duvall	\$19.80	2	-	-	\$2.94	\$3.79	\$4.63	\$5.48	\$6.33	4/6/8/10
Edmonds	\$57.36	0	-	-	\$1.71	-	-	-	-	-
Lake Forest Park	\$108.24	0	-	-	\$2.20	-	-	-	-	-
Highline	\$66.00	0	\$2.91	\$3.80	-	-	-	-	-	-
Kirkland	\$48.53	0	-	-	\$3.34	-	-	-	-	-
Mercer Island	\$52.00	0	\$1.29	\$3.53	-	-	-	-	-	-
Northshore	\$71.50	0	-	-	\$2.55	\$2.85	\$3.15	\$3.45	-	34.5/45/66.5
Olympic View***	\$39.52	0	Block	Block	\$1.53/\$1.64***	\$2.24/\$2.56***	-	-	-	160
Redmond	\$46.75	0	\$1.62	\$2.49	-	-	-	-	-	-
Renton	\$30.94	0	-	-	\$1.85	-	-	-	-	-
Shoreline	\$65.32	0	-	-	\$2.28	\$4.20	-	-	-	100
Skyway	\$124.94	0	-	-	\$2.94	\$3.49	-	-	-	\$48.00
Soos Creek***	\$42.67	0	Block	Block	\$1.27	\$2.25/\$2.70***	\$2.70/\$3.24***	\$3.10/\$3.72***	-	5/10/15
Tukwila	\$50.00	0	\$2.78	\$3.83	-	-	-	-	-	-
Woodinville	\$85.17	0	-	-	\$2.89	\$3.18	-	-	-	prior winter avg
Seattle	\$24.80	0	\$2.33	\$3.35	-	-	-	-	-	-

* All utilities with seasonal rates use a 4 month peak season except Soos Creek which has a 3 month peak season.

** Break Points are the number of ccf per month at which the next rate block is attained. For example, W.D. 45 charges \$1.75 per ccf for the first 5 ccf consumed, \$2.75 per ccf for the next 20 ccf per month, and \$3.75 per ccf for all consumption in excess of 25 ccf per month.

*** WD 119, Olympic View, and Soos Creek have both seasonal and block rates. For example, WD 119's 2nd block rate of \$2.30/ccf increases to \$2.86 during the peak season.

Figure 1.1

Average Monthly Residential Bills at 2006 Rates and LOW Consumption (4 ccf/mo Winter and 6 ccf/mo Summer Consumption)

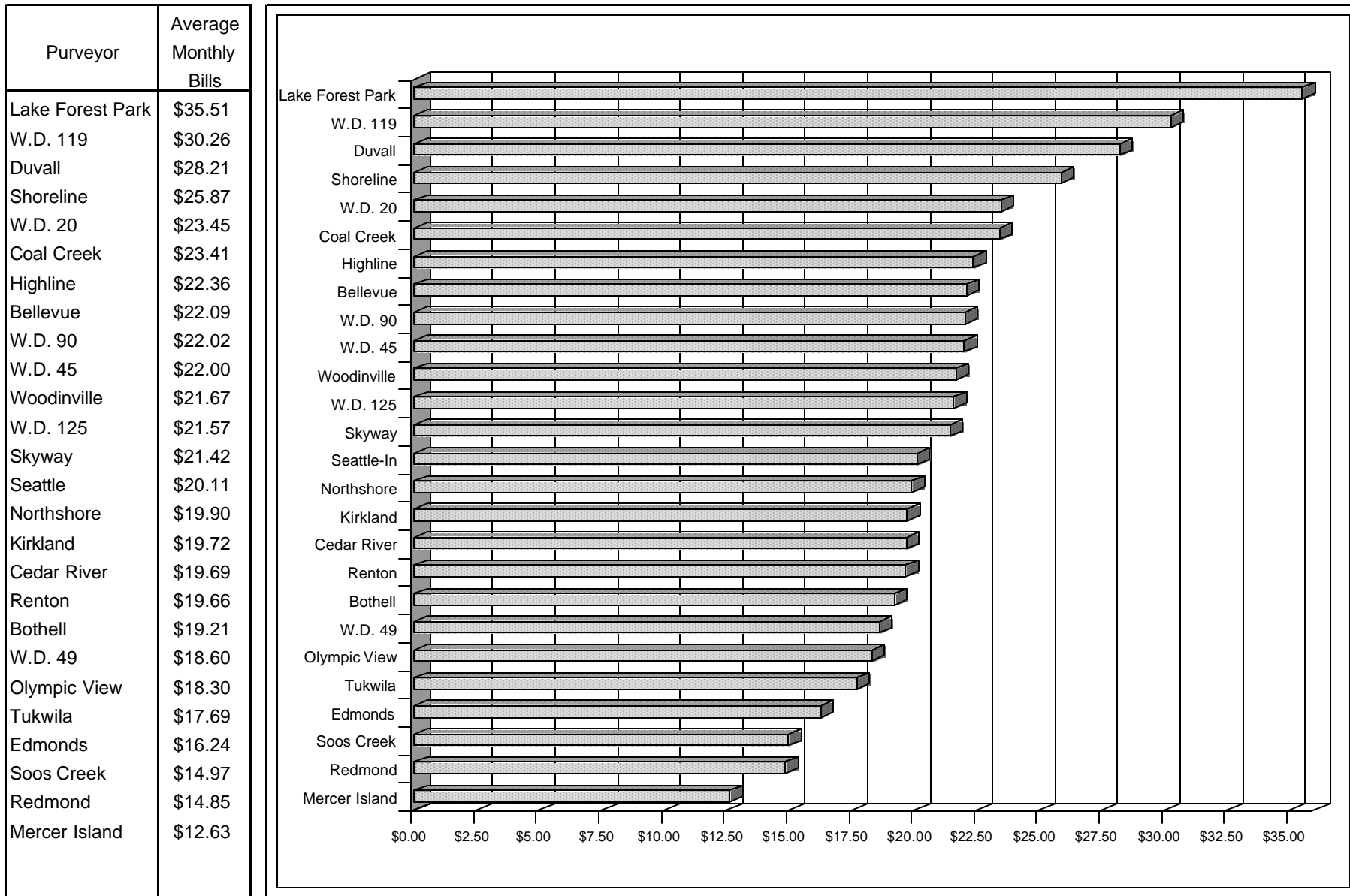


Figure 1.2

Average Monthly Residential Bills at 2006 Rates and MEDIUM Consumption (8 ccf/mo Winter and 12 ccf/mo Summer Consumption)

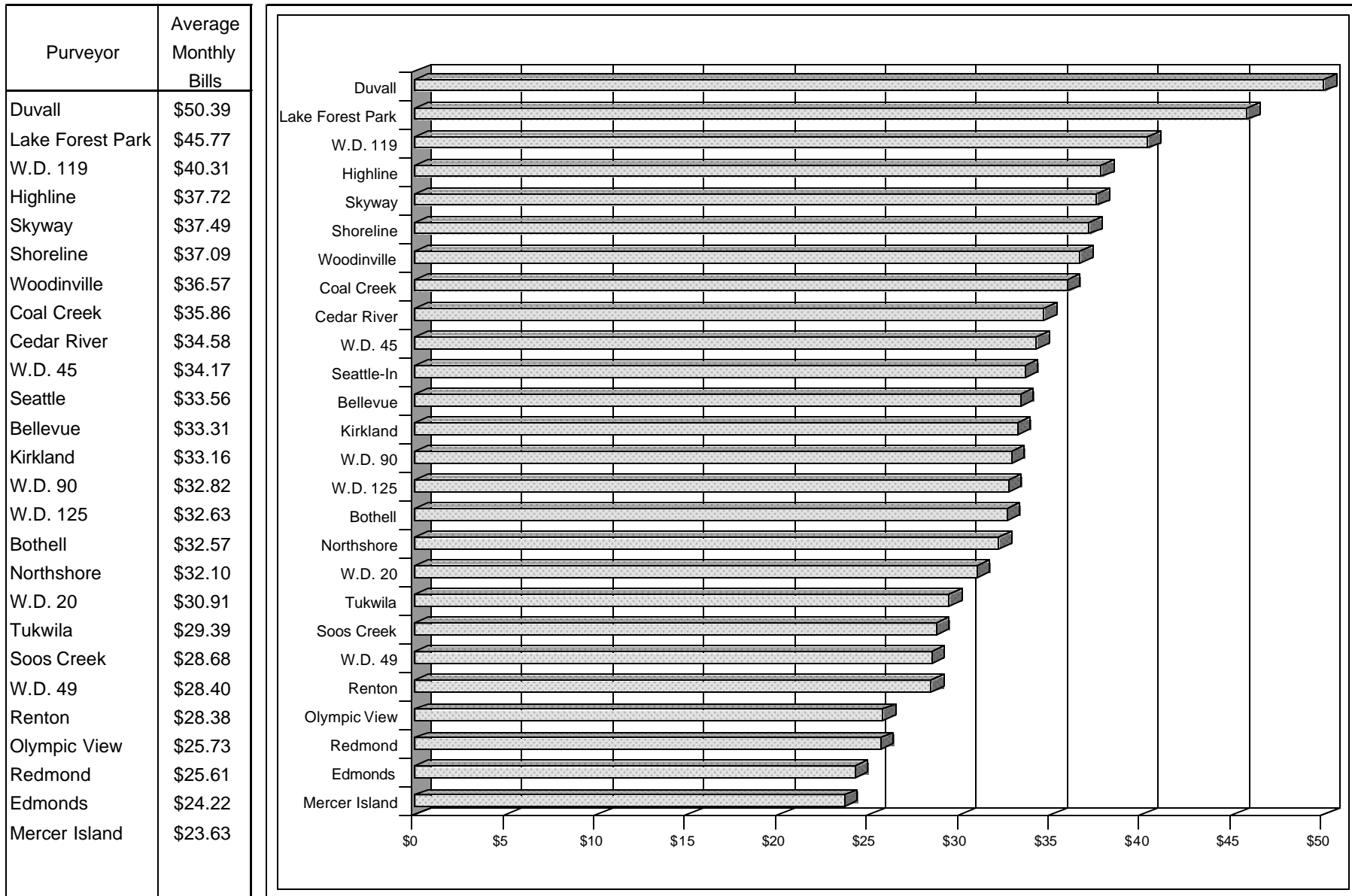


Figure 1.3

**Average Monthly Residential Bills at 2006 Rates and HIGH Consumption
(16 ccf/mo Winter and 24 ccf/mo Summer Consumption)**

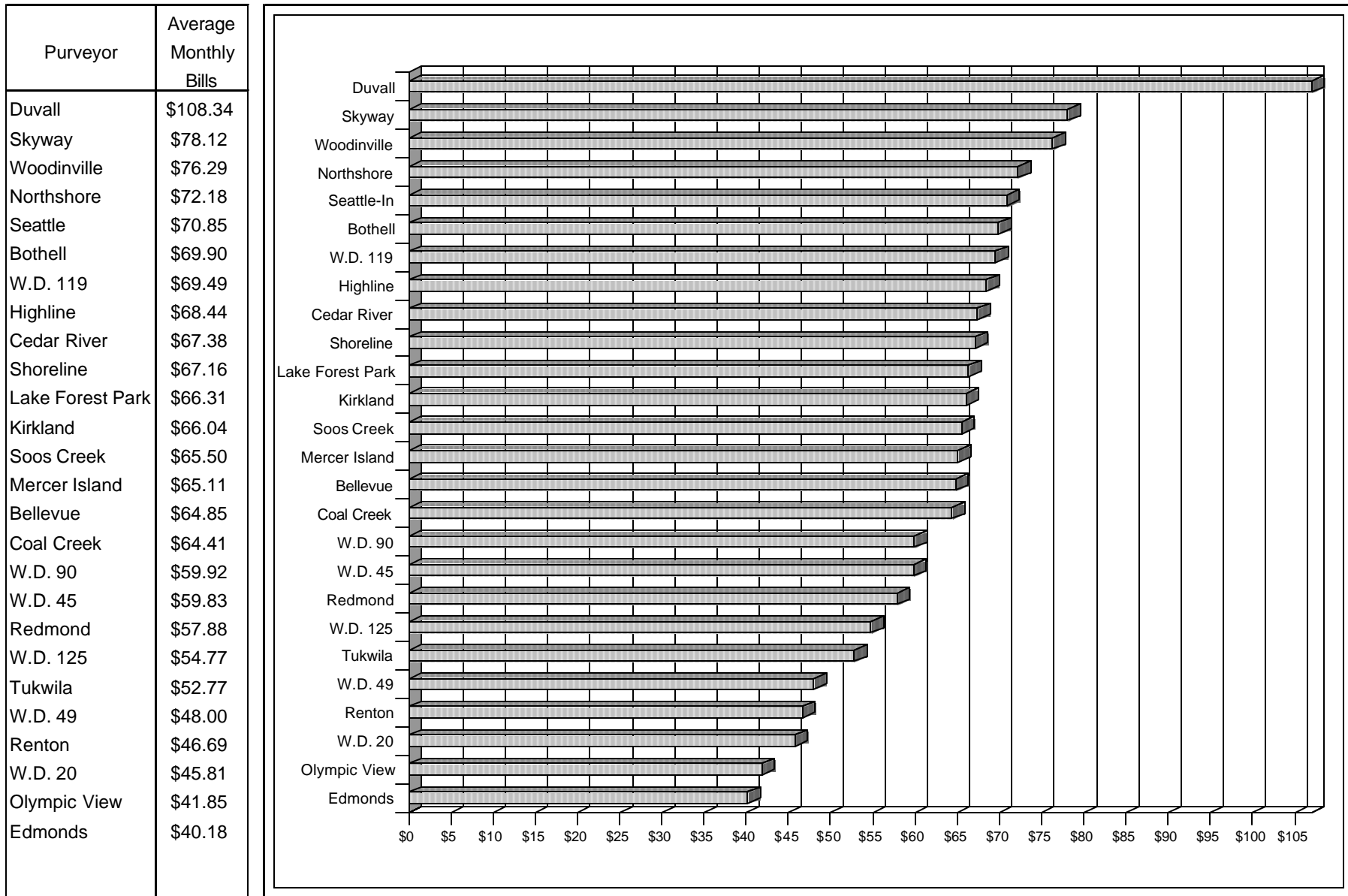


Figure 1.4

Average Monthly Residential Water Bills at Each Utility's Average Consumption

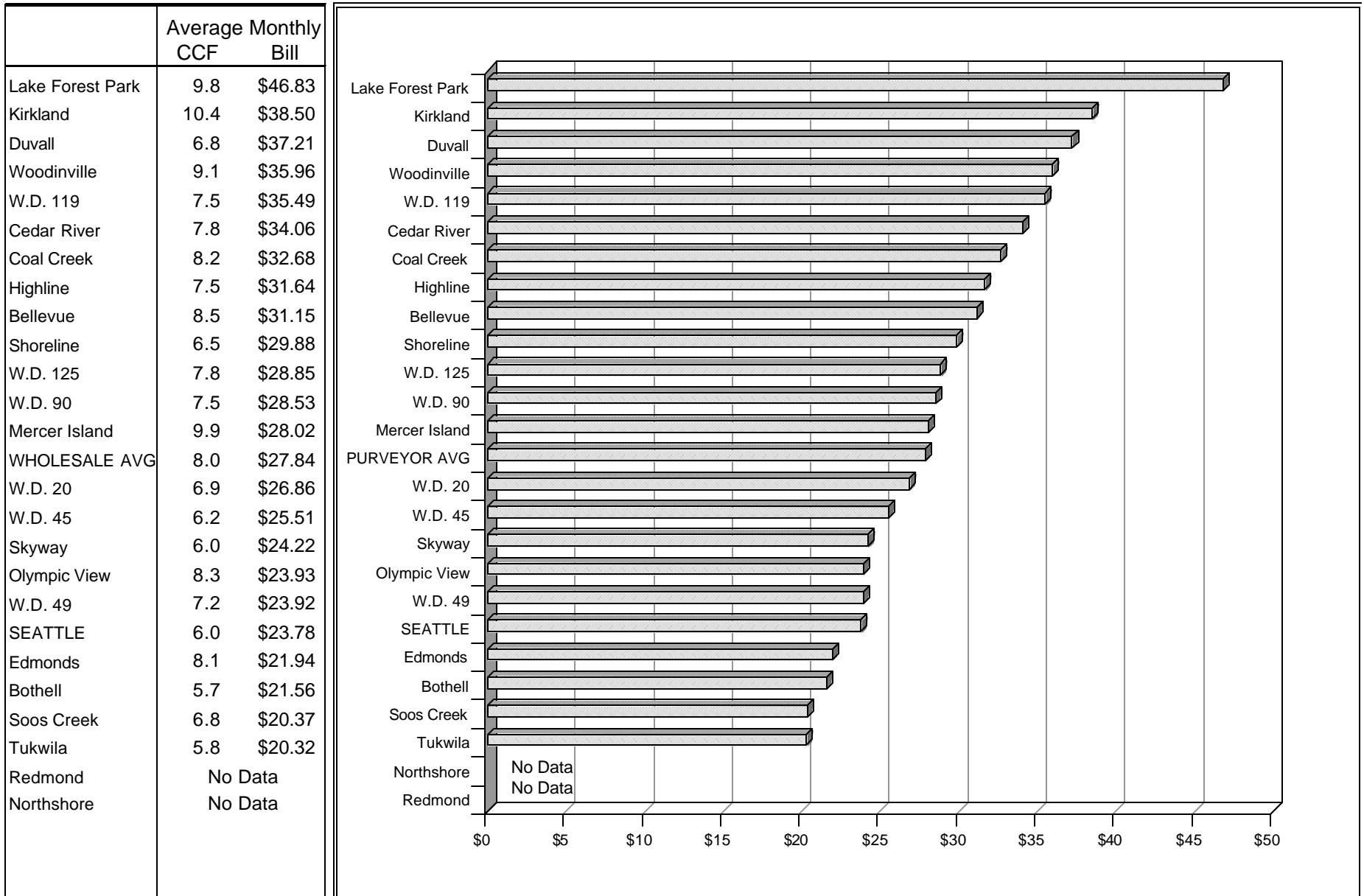


Table 1.3

AVERAGE ANNUAL, WINTER, AND SUMMER RESIDENTIAL BILLS
with 2005 Rates & Medium Consumption: 8 ccf/mo Winter, 12 ccf/mo Summer
Ranked from Highest to Lowest

Rank	Purveyor:	Monthly Residential Bills			Summer/Winter Differential*
		Avg. Annual	Winter	Summer	
1	Duvall	\$50.39	\$42.52	\$66.14	55.6%
2	Lake Forest Park	\$45.77	\$42.84	\$51.64	20.5%
3	W.D. 119	\$40.31	\$35.40	\$50.13	41.6%
4	Highline	\$37.72	\$30.28	\$52.60	73.7%
5	Skyway	\$37.49	\$32.61	\$47.25	44.9%
6	Shoreline	\$37.09	\$33.22	\$44.83	35.0%
7	Woodinville	\$36.57	\$31.88	\$45.96	44.2%
8	Coal Creek	\$35.86	\$32.18	\$43.22	34.3%
9	Cedar River	\$34.58	\$30.05	\$43.65	45.3%
10	W.D. 45	\$34.17	\$30.50	\$41.50	36.1%
11	Seattle	\$33.56	\$27.69	\$45.30	63.6%
12	Bellevue	\$33.31	\$29.69	\$40.55	36.6%
13	Kirkland	\$33.16	\$29.32	\$40.84	39.3%
14	W.D. 90	\$32.82	\$29.35	\$39.75	35.4%
15	W.D. 125	\$32.63	\$28.10	\$41.70	48.4%
16	Bothell	\$32.57	\$28.18	\$41.36	46.8%
17	Northshore	\$32.10	\$27.33	\$41.65	52.4%
18	W.D. 20	\$30.91	\$26.00	\$40.72	56.6%
19	Tukwila	\$29.39	\$23.20	\$41.76	80.0%
20	Soos Creek	\$28.68	\$24.70	\$40.60	64.4%
21	W.D. 49	\$28.40	\$25.60	\$34.00	32.8%
22	Renton	\$28.38	\$25.83	\$33.49	29.7%
23	Olympic View	\$25.73	\$23.27	\$30.67	31.8%
24	Redmond	\$25.61	\$22.04	\$32.75	48.6%
25	Edmonds	\$24.22	\$21.94	\$28.78	31.2%
26	Mercer Island	\$23.63	\$19.06	\$32.78	72.0%
WHOLESALE AVERAGE		\$33.28	\$28.94	\$42.11	45.5%

* Note that the summer/winter differential is not the differential in rates but in bills. Most purveyors have a differential of less than 50% even though bills are calculated with 50% more consumption in summer than in winter. This means that the average rate charged per ccf by these purveyors is actually less in the summer than in the winter. This seemingly contradictory result is due to the impact of the meter charge which is spread over a greater number of ccf in the summer.

Table 1.4

Ranking of Purveyor Bills from High to Low at Different Levels of Consumption

Ranking at Low Consumption	Ranking at Medium Consumption	Ranking at High Consumption
1 Lake Forest Park	1 Duvall	1 Duvall
2 W.D. 119	2 Lake Forest Park	2 Skyway
3 Duvall	3 W.D. 119	3 Woodinville
4 Shoreline	4 Highline	4 Northshore
5 W.D. 20	5 Skyway	5 Seattle
6 Coal Creek	6 Shoreline	6 Bothell
7 Highline	7 Woodinville	7 W.D. 119
8 Bellevue	8 Coal Creek	8 Highline
9 W.D. 90	9 Cedar River	9 Cedar River
10 W.D. 45	10 W.D. 45	10 Shoreline
11 Woodinville	11 Seattle	11 Lake Forest Park
12 W.D. 125	12 Bellevue	12 Kirkland
13 Skyway	13 Kirkland	13 Soos Creek
14 Seattle	14 W.D. 90	14 Mercer Island
15 Northshore	15 W.D. 125	15 Bellevue
16 Kirkland	16 Bothell	16 Coal Creek
17 Cedar River	17 Northshore	17 W.D. 90
18 Renton	18 W.D. 20	18 W.D. 45
19 Bothell	19 Tukwila	19 Redmond
20 W.D. 49	20 Soos Creek	20 W.D. 125
21 Olympic View	21 W.D. 49	21 Tukwila
22 Tukwila	22 Renton	22 W.D. 49
23 Edmonds	23 Olympic View	23 Renton
24 Soos Creek	24 Redmond	24 W.D. 20
25 Redmond	25 Edmonds	25 Olympic View
26 Mercer Island	26 Mercer Island	26 Edmonds

Definition of Consumption Levels:

	Winter	Summer	Average
Low	4 ccf/mo	6 ccf/mo	4.67 ccf/mo
Medium	8 ccf/mo	12 ccf/mo	9.33 ccf/mo
High	16 ccf/mo	24 ccf/mo	18.67 ccf/mo

Figure 2.1

WHOLESALE CUSTOMERS RANKED BY 2005 ANNUAL PURCHASES FROM SPU

Purveyor	Purchases
Bellevue	7,864,907
Kirkland	2,833,027
Highline	2,559,715
Northshore	2,556,349
Soos Creek	2,126,144
Woodinville	1,873,605
W.D. 20	1,325,298
Mercer Island	1,072,336
Tukwila	1,069,148
Cedar River	985,386
Shoreline	866,334
Bothell	710,804
W.D. 125	603,604
W.D. 49	587,490
Coal Creek	525,361
Redmond	471,211
W.D. 90	452,581
Olympic View	414,859
Duvall	236,868
Skyway	226,417
W.D. 119	126,416
W.D. 45	116,943
Renton	51,841
Edmonds	62
Lake Forest Park	2
TOTAL	29,656,708

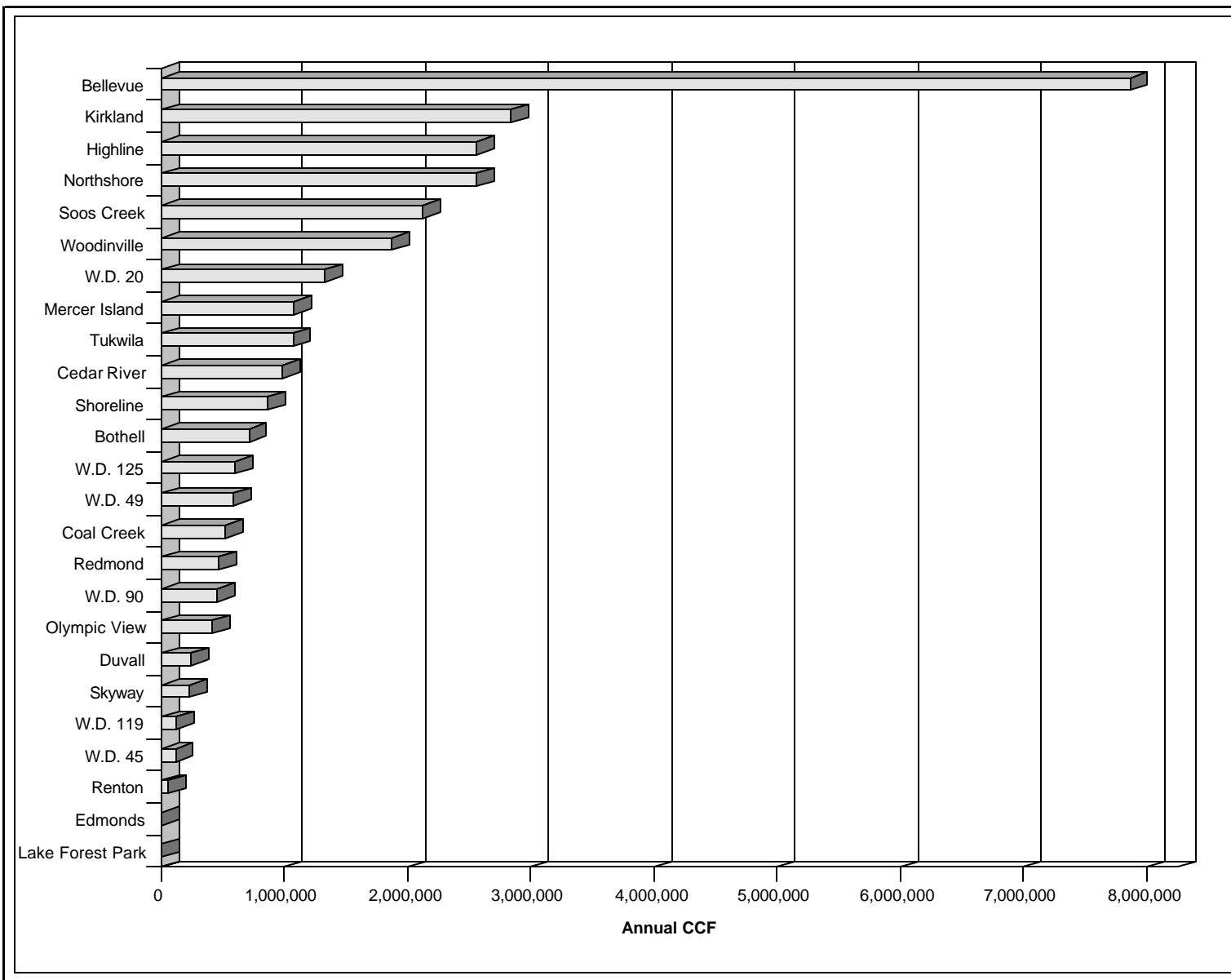
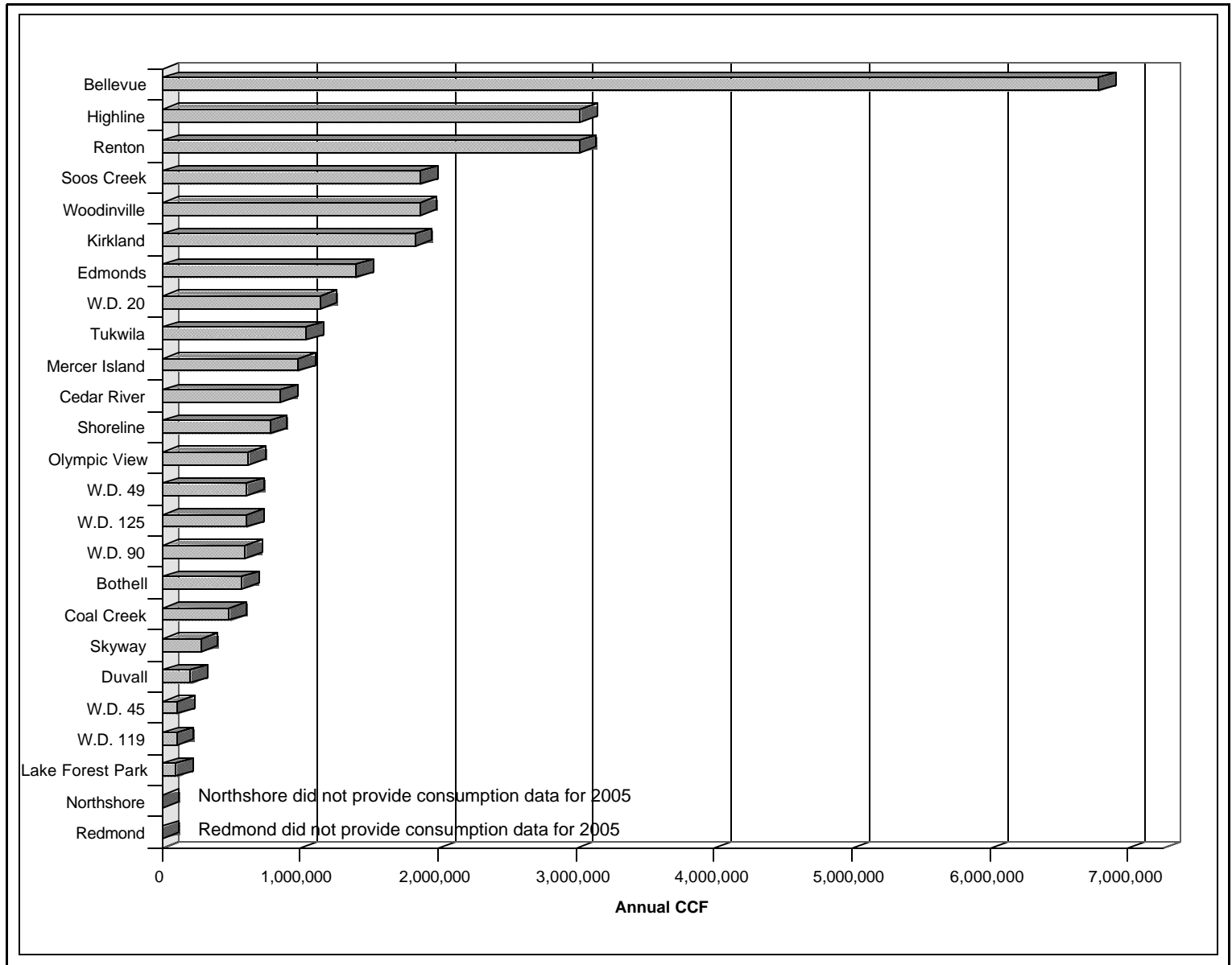


Table 2.1
Annual Water Purchases from SPU by Wholesale Customer: 1990-2005

Purveyor	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Bellevue	8,005,618	7,617,197	7,638,641	6,360,259	6,822,822	7,976,658	7,565,651	7,741,347	7,723,447	8,254,911	8,053,791	8,012,735	7,221,979	7,559,140	8,124,609	8,525,078	7,864,907
Bothell	499,417	499,899	587,196	449,484	556,791	667,498	725,746	575,987	647,008	731,200	638,894	761,656	720,652	751,322	783,847	790,903	710,804
Bryn Mawr	43,840	43,604	56,854	45,164	32,613	37,872	45,330	45,527	54,377	56,648	59,525	Merged with Skyway					
Cedar River	654,336	623,025	666,248	566,104	603,090	750,800	779,246	831,807	820,126	925,231	841,243	891,413	835,740	912,348	980,516	989,535	985,386
Coal Creek	850,920	917,561	894,511	750,339	829,124	955,727	950,677	1,033,659	966,592	1,101,548	1,110,773	1,124,051	942,044	1,121,178	1,237,310	607,964	525,361
Duvall	83,692	114,743	128,148	96,652	124,510	173,669	165,968	168,628	173,831	194,781	193,759	211,270	168,746	202,939	257,645	244,321	236,868
Edmonds	521,274	598,711	603,702	191,561	323,409	363,220	482,584	492,976	457,778	467,746	386,147	21,675	7	16	4	1,068	62
Highline	1,969,512	2,712,670	3,307,937	3,010,639	3,496,835	3,460,968	3,405,697	3,280,274	3,090,166	2,982,876	3,058,440	3,020,265	2,856,390	2,918,609	3,233,149	2,964,590	2,559,715
Kirkland	3,222,261	3,042,948	3,217,591	2,638,543	2,714,284	3,329,440	3,195,319	2,994,880	2,802,576	2,920,755	2,955,265	3,138,937	2,861,685	2,989,315	3,238,310	3,044,835	2,833,027
Lake Forest Park	1,746	4,831	4,370	2,067	46	103	25	5	526	12	34	22	186	168	16	0	2
Mercer Island	1,195,477	1,161,879	1,211,098	925,746	1,043,369	1,202,145	1,165,843	1,115,339	1,089,467	1,175,902	1,141,068	1,198,242	1,033,318	1,091,347	1,165,501	1,219,866	1,072,336
Northshore	2,712,829	2,770,699	2,887,098	2,328,110	2,197,336	2,831,155	2,927,079	2,857,930	2,728,851	2,872,274	2,716,809	2,833,106	2,547,889	2,833,696	2,983,637	2,838,343	2,556,349
Olympic View	754,457	671,695	707,997	357,572	504,361	615,810	519,619	444,107	600,267	648,842	462,821	439,561	360,013	382,872	475,345	462,990	414,859
Redmond	0	0	92,992	4	3	0	90,669	117,846	141,407	198,550	169,630	230,796	259,585	385,288	364,646	461,140	471,211
Renton	23,698	29,180	21,990	2,003	396	73	94	244	1,177	8,623	125,765	111,747	101,894	69,078	62,364	64,549	51,841
Shoreline	1,188,292	1,132,267	1,161,302	923,115	964,357	1,119,290	1,065,840	1,043,676	1,044,327	1,047,211	1,001,449	1,053,182	888,156	908,984	968,906	936,967	866,334
Skyway	185,577	186,212	185,999	158,355	172,647	183,149	164,235	163,172	162,979	180,418	173,355	203,520	316,097	318,079	326,364	235,574	226,417
Soos Creek	1,963,410	2,012,314	2,174,701	1,704,398	1,865,929	2,134,666	2,069,831	2,146,459	2,067,796	2,076,737	1,860,482	2,045,482	1,993,363	2,173,499	2,296,099	2,336,428	2,126,144
Tukwila	863,710	923,639	981,465	713,020	759,306	862,309	880,582	1,183,810	1,241,880	1,143,486	1,198,360	1,096,157	1,095,812	1,119,261	1,092,216	1,136,059	1,069,148
Woodinville	1,722,208	1,880,122	1,993,019	1,447,548	1,482,316	1,909,654	1,843,899	1,955,053	1,859,299	2,189,506	2,077,944	2,197,389	2,040,624	2,070,493	2,371,019	2,243,238	126,416
W.D. 20	1,554,335	1,545,524	1,620,100	1,298,359	1,352,498	1,494,279	1,496,058	1,485,935	1,440,893	1,574,917	1,559,582	1,366,147	1,346,239	1,285,424	1,427,155	1,346,869	603,604
W.D. 45	116,682	119,608	128,553	111,831	114,626	106,501	105,040	139,241	141,892	150,932	142,361	156,010	105,556	137,852	133,350	127,217	1,325,298
W.D. 49	733,564	729,779	752,055	581,401	645,697	700,404	727,103	762,238	689,425	689,310	685,368	673,859	616,296	625,111	611,986	640,512	116,943
W.D. 85	69,757	33,021	32,861	27,600	28,038	42,820	34,591	38,259	37,387	35,211	45,286	74,155	34,458	45,048	Merged with WD 20		
W.D. 90	701,196	761,412	779,377	656,679	679,669	755,466	762,344	740,993	694,136	718,975	708,119	735,758	683,434	538,035	496,043	503,774	587,490
W.D. 119	75,361	80,844	84,428	65,916	61,758	89,238	91,726	90,961	99,109	98,828	101,798	117,447	132,490	128,518	139,875	133,744	452,581
W.D. 125	614,926	655,363	705,542	542,275	590,909	656,989	751,273	763,424	730,878	698,405	688,626	778,596	560,097	580,052	560,331	646,969	1,873,605
Total	30,328,095	30,868,747	32,625,775	25,954,744	27,966,739	32,419,903	32,012,069	32,213,777	31,507,597	33,143,835	32,156,694	32,493,178	29,722,750	31,147,672	33,330,243	32,502,533	29,656,708

Figure 2.2
WHOLESALE CUSTOMERS RANKED BY 2005 ANNUAL RETAIL BILLED SALES

Purveyor	Retail Sales
Bellevue	6,783,981
Highline	3,029,761
Renton	3,024,359
Soos Creek	1,870,978
Woodinville	1,867,062
Kirkland	1,833,509
Edmonds	1,406,291
W.D. 20	1,144,053
Tukwila	1,043,575
Mercer Island	984,570
Cedar River	855,114
Shoreline	782,673
Olympic View	627,376
W.D. 49	616,020
W.D. 125	611,276
W.D. 90	602,173
Bothell	577,806
Coal Creek	488,466
Skyway	280,643
Duvall	205,341
W.D. 45	108,416
W.D. 119	105,277
Lake Forest Park	101,256
Northshore	No Data
Redmond	No Data
Total*	28,949,976



* Note that Redmond and Northshore did not provide consumption data for 2005 and are not included in the total.

Table 2.2
Annual Retail Water Sales by Wholesale Customer: 1993-2005

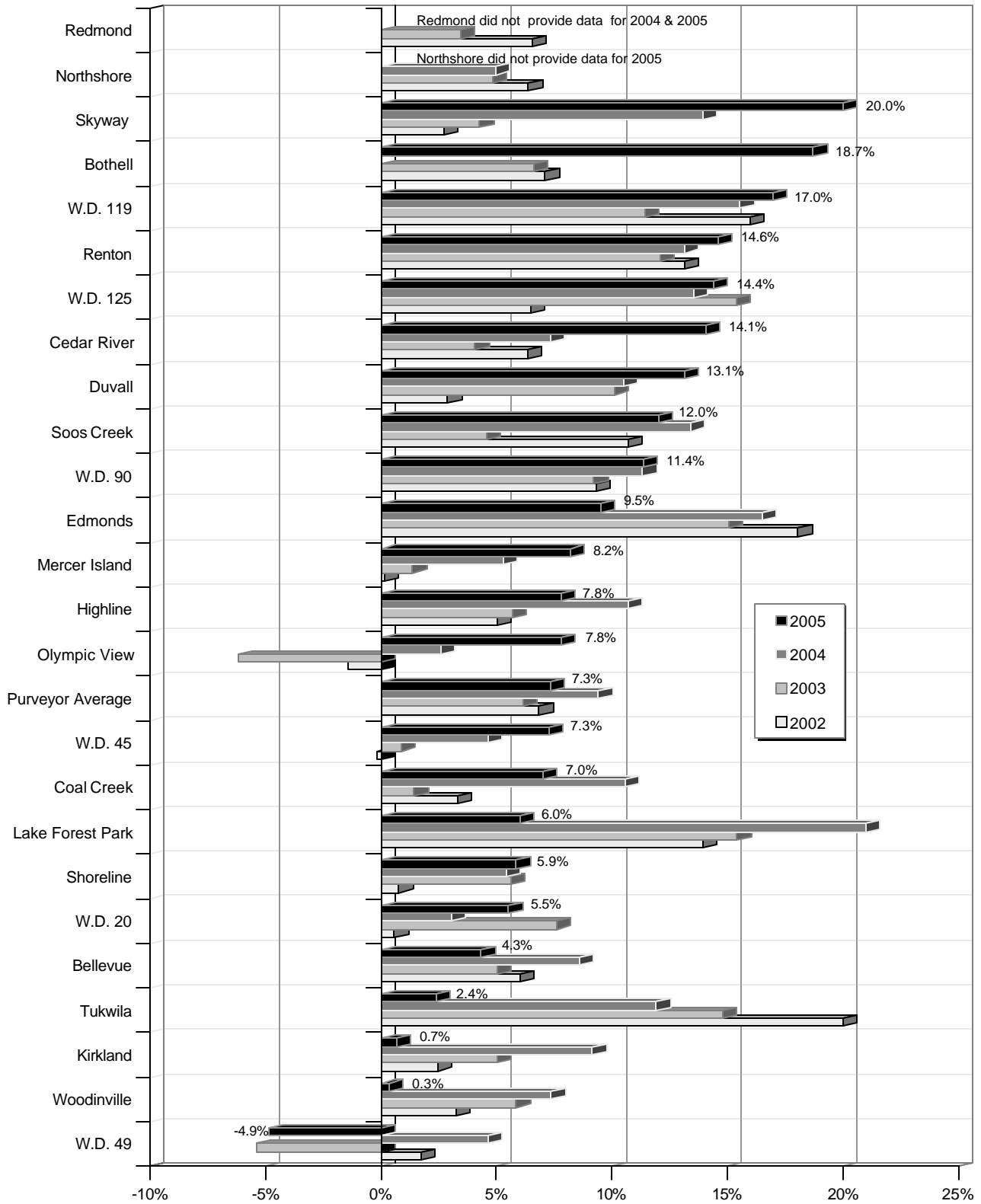
Purveyor	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004*	2005*
Bellevue	5,990,344	6,831,423	6,917,700	6,569,687	6,430,842	6,809,415	6,723,028	6,791,413	6,332,424	6,519,723	7,055,800	7,078,453	6,783,981
Bothell*	531,418	613,357	615,555	634,087	642,172	724,060	659,376	739,669	684,621	714,466	760,131	No Data	577,806
Bryn Mawr	170,110	181,830	184,439	186,626	184,553	190,430	185,172			Merged with Skyway			
Cedar River	574,941	700,900	725,404	765,703	750,953	838,602	791,379	854,728	784,795	858,905	949,620	925,955	855,114
Coal Creek	823,505	949,769	935,974	940,637	927,646	1,075,618	1,056,803	1,070,525	1,013,672	1,084,280	1,219,567	543,762	488,466
Duvall	134,072	152,923	157,615	153,524	164,201	197,891	178,958	191,604	187,714	197,080	231,577	218,230	205,341
Edmonds	1,579,471	1,530,836	1,500,991	1,441,370	1,467,343	1,508,951	1,390,499	1,456,809	1,334,776	1,421,775	1,512,175	1,465,301	1,406,291
Highline	2,878,820	3,172,396	3,119,713	3,186,456	3,153,323	3,250,553	3,190,115	3,229,719	3,020,857	3,090,006	3,302,253	3,149,274	3,029,761
Kirkland	1,769,978	1,769,978	1,758,480	1,765,124	1,731,510	1,872,837	1,837,946	1,936,149	1,645,395	1,790,609	1,906,772	1,739,111	1,833,509
Lake Forest Park	107,781	132,282	104,000	136,852	137,960	132,282	140,077	140,077	102,375	107,268	116,970	105,794	101,256
Mercer Island	NA	1,137,390	1,069,147	1,037,486	1,019,781	1,129,403	1,064,830	1,104,852	954,551	1,089,710	1,149,546	1,155,137	984,570
Northshore	2,401,934	2,779,279	2,687,786	2,669,776	2,585,391	2,754,149	2,674,545	2,665,229	2,831,579	2,630,028	2,808,235	2,676,062	No Data
Olympic View	587,546	716,211	678,424	659,387	638,465	694,953	673,260	671,687	607,893	648,736	703,425	699,541	627,376
Redmond*	NA	2,706,393	2,603,278	2,748,404	2,746,029	3,011,322	2,975,707	2,979,125	2,783,755	2,940,175	3,254,994	No Data	No Data
Shoreline	823,832	939,194	1,000,101	984,836	966,178	940,873	925,532*	956,858	871,251	862,972	914,477	886,232	782,673
Skyway	146,466	154,426	145,953	145,894	142,329	149,880	153,043	356,220	309,537	325,930	329,497	309,832	280,643
Soos Creek	1,616,111	1,877,871	1,896,870	1,901,225	1,857,564	2,009,017	1,947,093	1,995,096	1,822,072	1,941,211	2,191,349	2,023,063	1,870,978
Tukwila	651,462	690,615	696,646	910,897	953,471	1,024,494	1,040,590	1,030,948	925,230	903,189	938,989	1,000,684	1,043,575
Woodinville	1,602,478	2,003,864	1,900,675	1,987,758	1,904,444	2,145,836	1,999,930	2,104,568	1,887,481	2,003,091	2,232,174	2,077,734	1,867,062
W.D. 20	1,164,453	1,268,799	1,253,936	1,263,083	1,255,113	1,334,597	1,310,712	1,238,771	1,137,766	1,137,678	1,216,998	1,200,605	1,144,053
W.D. 45	119,683	89,216	102,951	139,017	148,574	154,728	131,770	145,677	130,769	138,113	132,207	121,307	108,416
W.D. 49	668,748	722,961	726,946	685,230	689,433	660,912	668,462	653,378	613,239	614,343	645,016	610,845	616,020
W.D. 85	52,800	61,650	64,506	65,403	61,331	63,761	68,419*	69,231	52,480	54,985	Merged with WD 20		
W.D. 90	537,730	597,339	600,360	589,946	591,370	559,987	570,985	602,704	555,734	599,564	656,449	665,985	602,173
W.D. 119	79,640	89,517	89,254	93,572	96,432	100,814	102,391	106,602	103,963	108,359	124,407	113,288	105,277
W.D. 125	628,723	681,602	693,299	686,828	693,765	734,486	682,754	729,943	641,283	718,981	678,557	652,703	611,276
TOTAL*	25,642,046	32,552,021	32,230,004	32,348,808	31,940,173	34,069,851	33,143,376	33,821,582	31,335,212	32,501,177	35,031,184	29,418,898	25,925,617
Seattle	33,450,460	35,925,417	35,216,783	34,532,115	33,771,744	34,741,440	32,994,553	33,581,789	30,325,199	30,829,010	30,422,909	29,994,131	28,340,298

* Consumption data is missing for Bothell in 2004 and Northshore in 2005. Redmond did not provide data for 2004 and 2005. Total consumption calculated for these years excludes these utilities and is therefore less than actual.

Figure 2.3

2005 Wholesale Customer Non-Revenue Water as a Percentage of Total Water Use

(2002, 2003, & 2004 Non-Revenue Shown in Gray)



* 2004 non-revenue data not available for Bothell and Redmond

Table 2.3

Wholesale Customer Distribution System Non-Revenue Water: 1994-2005

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	Average
Bellevue	7.6%	2.2%	8.3%	9.3%	10.4%	8.5%	7.8%	4.6%	6.0%	5.0%	8.6%	4.3%	6.9%
Bothell	10.3%	17.7%	-7.9%	5.7%	5.4%	7.9%	7.6%	7.4%	7.1%	6.6%	NA	18.7%	7.9%
Bryn Mawr*	5.2%	6.5%	6.4%	6.6%	4.8%	10.4%	Merged with Skyway						6.7%
Cedar River	6.6%	6.9%	8.0%	8.4%	4.4%	7.0%	5.3%	7.0%	6.3%	4.1%	7.3%	14.1%	7.1%
Coal Creek	0.6%	1.5%	9.0%	4.0%	2.4%	4.9%	4.8%	-7.6%	3.3%	1.4%	10.6%	7.0%	3.5%
Duvall	11.9%	5.0%	8.2%	5.3%	-1.6%	7.6%	9.3%	-11.2%	2.9%	10.1%	10.5%	13.1%	5.9%
Edmonds	15.2%	14.0%	14.1%	8.6%	12.6%	10.1%	17.3%	16.4%	18.1%	15.1%	16.5%	9.5%	14.0%
Highline	14.4%	16.3%	12.4%	8.6%	3.9%	5.8%	6.6%	4.3%	5.0%	5.7%	10.7%	7.8%	8.5%
Kirkland	10.1%	6.2%	3.4%	1.2%	-3.7%	2.7%	-1.3%	7.4%	2.5%	5.0%	9.1%	0.7%	3.6%
Lake Forest Park	NA	-5.0%	NA	4.0%	-19.7%	11.0%	NA	14.4%	13.9%	15.4%	21.0%	6.0%	6.8%
Mercer Island	2.7%	5.6%	7.0%	6.3%	4.0%	6.7%	7.8%	7.6%	0.1%	1.4%	5.3%	8.2%	5.2%
Northshore***	1.2%	7.5%	5.7%	4.2%	4.1%	0.0%	4.4%	-12.0%	6.4%	4.8%	5.0%	NA	2.8%
Olympic View	7.1%	6.7%	-0.6%	12.5%	13.4%	7.3%	7.3%	2.0%	-1.4%	-6.2%	2.6%	7.8%	4.9%
Redmond***	-9.3%	6.3%	-2.6%	-1.7%	-3.7%	1.7%	3.5%	2.6%	6.5%	3.4%	NA	NA	0.7%
Renton	NA	NA	NA	NA	NA	NA	NA	13.5%	13.2%	12.1%	13.1%	14.3%	13.2%
Shoreline	9.3%	6.2%	13.2%	7.2%	4.4%	NA	9.1%	1.9%	0.8%	5.6%	5.4%	5.9%	6.3%
Skyway*	11.4%	7.3%	6.6%	6.9%	11.7%	7.3%	3.4%	7.7%	2.7%	4.3%	13.9%	20.0%	8.6%
Soos Creek	12.0%	8.4%	11.2%	10.2%	3.3%	-4.7%	2.5%	8.7%	10.7%	4.6%	13.4%	12.0%	7.7%
Tukwila	19.9%	20.9%	22.5%	23.2%	10.9%	13.5%	6.6%	16.7%	20.0%	14.8%	11.9%	2.4%	15.3%
Woodinville	-4.9%	-3.1%	-1.9%	-2.4%	2.0%	5.4%	4.2%	7.5%	3.3%	5.9%	7.4%	0.3%	2.0%
W.D. 20**	5.4%	7.7%	6.0%	4.3%	5.6%	8.3%	7.1%	6.2%	0.6%	7.6%	3.1%	5.5%	5.6%
W.D. 45	16.2%	2.0%	0.2%	-4.7%	-2.5%	7.4%	6.6%	-23.9%	-0.2%	0.9%	4.6%	7.3%	1.2%
W.D. 49	-1.2%	2.0%	11.8%	1.3%	5.3%	3.4%	3.3%	0.6%	1.7%	-5.4%	4.6%	-4.9%	1.9%
W.D. 85**	-2.3%	8.4%	10.7%	7.5%	4.2%	NA	13.7%	10.8%	41.0%	Merged with WD 20			11.8%
W.D. 90	20.9%	21.2%	20.4%	14.8%	22.1%	19.4%	18.1%	18.7%	9.3%	9.2%	11.3%	11.4%	16.4%
W.D. 119	0.1%	3.1%	-2.5%	3.1%	-1.7%	-0.3%	9.5%	21.7%	16.0%	11.4%	15.5%	17.0%	7.8%
W.D. 125	8.6%	20.4%	18.6%	14.2%	8.1%	7.7%	9.4%	14.3%	6.5%	15.4%	13.5%	14.4%	12.6%
Purveyor Average	7.0%	7.6%	7.7%	6.7%	5.3%	5.8%	6.2%	6.1%	6.8%	6.1%	9.4%	7.3%	6.8%

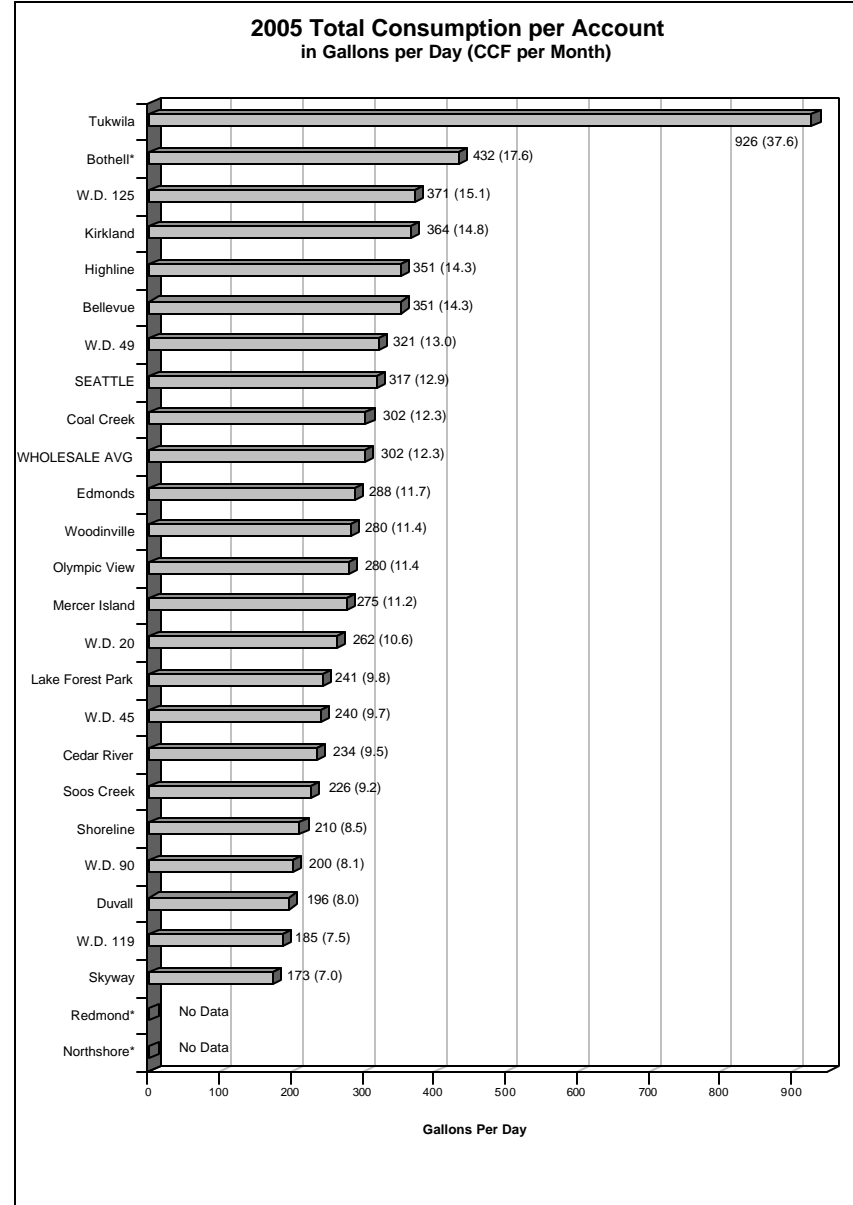
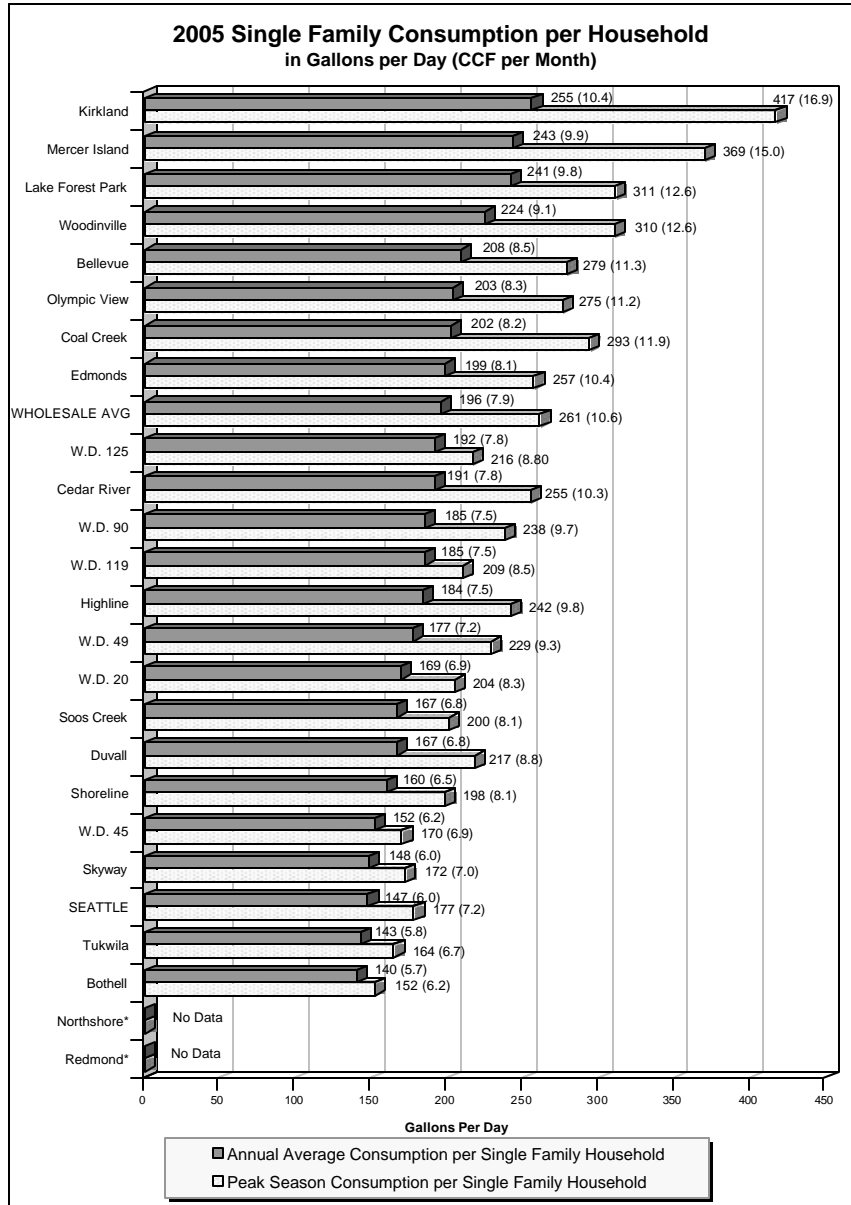
* Formerly Bryn Mawr-Lakeridge Water & Sewer District. Skyway Water & Sewer District merged with Bryn Mawr-Lakeridge as of June 1, 1999 and the name was changed back to Skyway in 2003.

** Water District 85 merged with Water District 20 in 2003.

*** Northshore Utility District and the City of Redmond did not provide consumption data for 2005.

Figure 2.4

2005 Measures of Consumption per Unit



* Note that Northshore and Redmond did not provide data for 2005.

Table 2.4

**Single Family Residential Consumption per Household by Wholesale Customer: 1994-2005
(in CCF per Household per Month)**

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Bellevue	10.4	10.0	9.8	9.4	10.0	9.6	9.7	8.9	9.1	9.7	10.4	8.5
Bothell	8.5	7.9	8.1	7.9	8.4	7.6	8.0	7.5	7.6	8.0	8.0	5.7
Bryn Mawr	NA	NA	NA	NA	NA	7.5	Merged with Skyway					
Cedar River	9.9	9.7	9.7	9.1	9.6	8.9	9.5	8.0	8.6	9.1	8.6	7.8
Coal Creek	10.1	9.5	9.4	9.2	9.9	9.1	9.1	8.0	8.6	9.3	9.4	8.2
Duvall	NA	8.6	8.3	8.9	9.7	8.1	8.8	7.1	7.2	8.4	7.6	6.8
Edmonds	9.9	9.7	8.6	8.1	9.5	8.6	10.2	8.5	8.8	9.5	9.0	8.1
Highline	9.2	9.0	8.6	9.0	8.8	8.3	8.5	7.6	8.1	8.2	7.9	7.5
Kirkland	8.8	8.6	8.5	8.5	8.6	8.2	9.3	7.5	8.0	8.9	7.8	10.4
Lake Forest Park	NA	NA	11.4	12.8	10.7	12.2	12.2	9.9	10.4	11.3	10.3	9.8
Mercer Island	NA	10.7	9.9	9.8	11.0	10.0	10.5	9.2	10.0	10.6	10.5	9.9
Northshore*	9.6	9.2	9.0	8.6	9.8	8.7	8.5	8.1	8.4	8.9	8.4	No Data
Olympic View	9.9	9.8	9.5	8.9	9.5	9.0	9.3	8.1	9.0	9.7	9.2	8.3
Redmond*	9.4	9.0	9.1	8.7	9.1	8.6	8.3	7.7	7.7	8.2	8.2	No Data
Shoreline	8.3	7.9	7.8	7.5	7.9	NA	7.7	6.7	7.0	7.4	7.0	6.5
Skyway	7.5	7.2	7.3	7.0	7.2	6.8	7.8	6.3	7.0	7.1	6.7	6.0
Soos Creek	8.7	8.4	8.4	7.7	8.2	7.8	7.8	7.0	7.5	8.5	8.1	6.8
Tukwila	7.5	6.4	7.7	7.4	7.4	7.2	7.0	7	7	7	6	5.8
Woodinville	12.0	11.1	11.3	10.5	11.7	10.7	11.1	10.8	10.4	11.6	10.4	9.1
W.D. 20	8.3	8.2	8.0	7.7	8.5	8.1	7.9	7.0	7.1	7.7	7.4	6.9
W.D. 45	NA	8.9	NA	NA	NA	6.8	7.5	6.8	7.6	6.9	6.4	6.2
W.D. 49	9.1	9.6	8.7	8.5	8.4	8.2	7.9	7.2	7.7	8.1	7.7	7.2
W.D. 85	NA	NA	NA	NA	NA	9.9	9.7	6.9	7.2	Merged with WD 20		
W.D. 90	NA	NA	NA	NA	NA	8.4	9.5	8.5	8.8	8.7	8.5	7.5
W.D. 119	NA	NA	NA	NA	NA	8.1	8.2	7.7	8.1	9.1	8.2	7.5
W.D. 125	8.4	8.3	8.3	8.2	8.3	8.1	8.3	8.5	9.4	8.5	8.1	7.8
WHOLESALE AVERAGE	9.7	9.4	9.2	8.9	9.5	8.9	9.1	8.1	8.4	9.0	8.7	7.9
SEATTLE	7.9	7.6	7.4	7.1	7.1	7.1	7.3	6.5	6.7	6.6	6.4	6.0

* Northshore and Redmond did not provide consumption data for 2005.

Figure 2.5

