

**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION STAFF
RESPONSE TO DATA REQUEST**

DATE PREPARED: August 21, 2012
DOCKET: UW-110054
REQUESTER: Bench

WITNESS: Jim Ward, Amy White
RESPONDER: Jim Ward, Amy White
TELEPHONE: (360) 664-1250; 664-1247

BENCH REQUEST NO. 17: As understood by Commission Staff, at the Settlement Hearing of August 14, 2012, the Bench requested documentation of Staff's analysis of: the cost of purchased water, if growth continued and all water Rainier View purchased, was purchased from City of Tacoma (COT), to include any purchase and wheeling cost, if the water purchased exceeded COT limits of 1.47 million gallons per day.

RESPONSE NO. 17:

See Attachment to Bench Request No. 17 (Attachment). This is also being provided in electronic Excel format with formulas intact.

The following summary is provided to explain the Attachment and Staff's analysis:

Staff reviewed water purchased by Rainier View from City of Tacoma (COT) from 2007 – 2011. (See Attachment, table "COT Purchased" on tab labeled Purchased COT). The historical usage in cubic feet was averaged over the time period to determine an average amount of water purchased per year based on historical usages. This amount was determined to be 80,058 cubic feet. The annual average water purchased included four months of summer usage and eight months of winter usage. Both COT and Lakewood Water District (LWD) use different rate structures based on time of year. Summer (May through October) and winter (November through April)

Staff reviewed the current rates for water purchased from both the COT and LWD. Each rate was adjusted for recent historical increases or pre-determined increases as noted in correspondence (see Staff and Company response to Bench Request 3, and Attachments 3.b.1.-1 and Attachment 3.d.-1). The projected rates are shown on the Attachment in the tab labeled Rate Projection. All rates are shown as rate per 100 cubic feet.

The COT has historically charged Rainier View the more favorable rate associated with the "< 2.5 Summer times Winter" rate table.

COT has indicated it would review usage patterns and could shift Rainier View to "> 2.5 Summer times Winter" rate table. For wholesale customers, COT charges year round constant use customers a lower rate ("< 2.5 Summer times Winter") than customers who use less water most of the year but peak their use during the summer only ("> 2.5 Summer times Winter").

Under the "ERU Growth" section of the Attachment, both the ERU count and projected water usage (annual average water purchased) are projected and used to determine the "annual usage cost" for water purchased under three categories: "< 2.5 times", and "> 2.5

**WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION STAFF
RESPONSE TO DATA REQUEST**

DATE PREPARED: August 21, 2012
DOCKET: UW-110054
REQUESTER: Bench

WITNESS: Jim Ward, Amy White
RESPONDER: Jim Ward, Amy White
TELEPHONE: (360) 664-1250; 664-1247

times", and "Lakewood".

The review uses both COT rate tables and LWD rates to determine the cost per year for purchased water. The worksheet continues by comparing COT cost to LWD cost and determines if there is a cost savings. The annual difference or cost reduction associated with purchasing water directly from LWD is noted in the section labeled "Lakewood savings compared to Tacoma" for "< 2.5 times" and "> 2.5 times."

The annual savings and cumulative savings are shown. Under the more favorable COT rate table of "< 2.5 times", it will take approximately 15 years to recoup the construction cost absent interest cost. Under the less favorable rate COT rate table of "> 2.5 times" the construction cost would be recouped in approximately 11 years.

The wholesale water agreement between Rainier View and COT requires Rainier View to purchase 1.47 million gallons (196,524 cubic feet) per day before the Company "triggers" its ability to purchase water from LWD and wheel through COT. Daily water use data is not available and staff does not know if the daily threshold was exceeded.

Using five years of historical monthly water purchased from COT for current customers, it appears on an annual basis that there is sufficient unused water for the additional 2,280 ERUs who are the subject of this filing. There will be instances of peaking demand that could exceed the daily trigger threshold and put the company into a wheeling situation. Therefore, Staff's calculations show the COT water generally provides sufficient water to preclude LWD purchases and associated wheeling costs. Volume considerations alone, however, do not take into account the much higher cost of COT water when compared to the cost of LWD water, including the COT wheeling charge. Both the volume of water needed and difference in price must be considered in total overall costs.

Attachment to Bench Request 17

City of Tacoma										Lakewood Water District										Lakewood												
< 2.5 Summer times Winter					> 2.5 Summer times Winter					ERU Growth					City of Tacoma					ERU Growth					City of Tacoma					Lakewood		
Year	October -May	Winter	Summer	October -Sept	Winter	Summer	June-Sept	October -May	Winter	Summer	June-Sept	October -May	Winter	Summer	Total ERUs	Growth	< 2.5 times	> 2.5 times	Annual Usage Cost	< 2.5 times	> 2.5 times	Lakewood savings compared to Tacoma	< 2.5 times	> 2.5 times	Wheeling cost	Purchased cost	Total cost	\$ 0.189 \$ 0.81 \$ 1.00				
2010	\$1,477	\$1,849	\$2,774	\$2,774	\$0,65	\$0,81	15,113	81,266																								
2011	\$1,707	\$2,134	\$3,206	\$3,206	\$0,65	\$0,81	15,341	82,492																								
2012	\$1,984	\$2,480	\$3,726	\$3,726	\$0,70	\$0,87	15,569	83,736																								
2013	\$2,223	\$2,779	\$4,175	\$4,175	\$0,70	\$0,87	15,797	84,999																								
2014	\$2,491	\$3,114	\$4,678	\$4,678	\$0,70	\$0,87	16,025	86,282																								
2015	\$2,791	\$3,489	\$5,242	\$5,242	\$0,75	\$0,93	16,253	87,583																								
2016	\$3,128	\$3,910	\$5,874	\$5,874	\$0,75	\$0,93	16,481	88,905																								
2017	\$3,505	\$4,381	\$6,583	\$6,583	\$0,75	\$0,93	16,709	90,246																								
2018	\$3,928	\$4,910	\$7,376	\$7,376	\$0,80	\$1,00	16,937	91,608	\$389,483	\$675,712	\$79,517																					
2019	\$4,401	\$5,501	\$8,265	\$8,265	\$0,80	\$1,00	17,165	92,990	\$383,826	\$664,123	\$80,717																					
2020	\$4,932	\$6,165	\$9,262	\$9,262	\$0,80	\$1,00	17,393	94,392	\$429,805	\$743,892	\$81,934																					
2021	\$5,526	\$6,908	\$10,378	\$10,378	\$0,86	\$1,07	17,621	95,816	\$481,327	\$833,277	\$89,242																					
2022	\$6,192	\$7,740	\$11,629	\$11,629	\$0,86	\$1,07	17,849	97,262	\$539,060	\$90,588	\$93,437																					
2023	\$6,939	\$8,674	\$13,031	\$13,031	\$0,86	\$1,07	18,077	98,729	\$603,752	\$1,045,671	\$91,955																					
2024	\$7,775	\$9,719	\$14,602	\$14,602	\$0,92	\$1,15	18,305	100,219	\$676,243	\$1,171,436	\$101,156																					
2025	\$8,713	\$10,891	\$16,362	\$16,362	\$0,92	\$1,15	18,533	101,731	\$757,473	\$1,312,361	\$101,667																					
2026	\$9,763	\$12,204	\$18,335	\$18,335	\$0,92	\$1,15	18,761	103,265	\$848,495	\$1,470,275	\$103,201																					
2027	\$10,940	\$13,675	\$20,545	\$20,545	\$0,99	\$1,24	18,989	104,823	\$950,490	\$1,647,226	\$112,405																					
2028	\$12,259	\$15,323	\$23,022	\$23,022	\$0,99	\$1,24	19,217	106,405	\$1,064,781	\$1,845,508	\$114,101																					
2029	\$13,736	\$17,170	\$25,797	\$25,797	\$0,99	\$1,24	19,445	108,010	\$1,192,849	\$2,067,692	\$115,822																					
2030	\$15,392	\$19,240	\$28,907	\$28,907	\$1,06	\$1,33	19,673	109,640	\$1,336,555	\$2,366,481	\$126,152																					
2031	\$17,248	\$21,560	\$32,392	\$32,392	\$1,06	\$1,33	19,901	111,294	\$1,497,162	\$2,595,644	\$128,055																					
2032	\$19,327	\$24,159	\$36,297	\$36,297	\$1,06	\$1,33	20,129	112,973	\$1,677,353	\$2,908,257	\$132,987																					
2033	\$21,657	\$27,071	\$40,672	\$40,672	\$1,14	\$1,42	20,357	114,677	\$1,879,267	\$3,258,557	\$141,581																					
2034	\$24,268	\$30,355	\$45,575	\$45,575	\$1,14	\$1,42	20,585	116,407	\$2,105,522	\$3,651,085	\$143,716																					
2035	\$27,193	\$33,991	\$51,069	\$51,069	\$1,14	\$1,42	20,813	118,163	\$2,359,051	\$4,090,932	\$145,885																					
2036	\$30,471	\$38,089	\$57,226	\$57,226	\$1,23	\$1,53	21,041	119,946	\$2,643,144	\$4,583,802	\$158,996																					
2037	\$34,145	\$42,681	\$64,124	\$64,124	\$1,23	\$1,53	21,269	121,755	\$2,961,483	\$5,136,089	\$161,293																					
2038	\$38,261	\$47,826	\$71,855	\$71,855	\$1,23	\$1,53	21,497	123,592	\$3,318,199	\$5,745,953	\$163,726																					
2039	\$42,873	\$53,591	\$80,517	\$80,517	\$1,31	\$1,64	21,725	125,457	\$3,717,917	\$6,448,421	\$178,329																					
2040	\$48,041	\$60,052	\$90,223	\$90,223	\$1,31	\$1,64	21,953	127,349	\$4,165,820	\$7,225,487	\$181,019																					
2041	\$51,099	\$61,099	\$101,099	\$101,099	\$1,31	\$1,64	22,181	129,271	\$4,667,719	\$8,096,228	\$183,750																					
2042	\$60,322	\$75,291	\$113,287	\$113,287	\$1,41	\$1,76	22,409	131,221	\$5,208,121	\$9,071,938	\$190,138																					
2043	\$67,594	\$84,493	\$126,944	\$126,944	\$1,41	\$1,76	22,637	133,201	\$5,860,321	\$10,165,268	\$203,157																					
2044	\$75,743	\$94,678	\$142,247	\$142,247	\$1,41	\$1,76	22,885	135,210	\$6,566,492	\$11,390,400	\$206,222																					
2045	\$106,092	\$159,395	\$159,395	\$159,395	\$1,51	\$1,89	23,093	137,250	\$7,357,791	\$12,753,222	\$224,515																					
2046	\$118,881	\$178,610	\$178,610	\$178,610	\$1,51	\$1,89	23,321	139,320	\$8,244,481	\$14,301,537	\$228,003																					
2047	\$106,570	\$133,213	\$200,141	\$200,141	\$1,51	\$1,89	23,549	141,422	\$9,258,062	\$16,025,296	\$231,443																					
2048	\$119,417	\$149,271	\$224,268	\$224,268	\$1,62	\$2,02	23,777	143,256	\$10,351,420	\$17,956,854	\$225,085																					
2049	\$133,813	\$167,266	\$251,304	\$251,304	\$1,62	\$2,02	24,005	145,722	\$11,398,992	\$20,121,262	\$225,888																					
2050	\$149,944	\$187,430	\$281,598	\$281,598	\$1,62	\$2,02	24,233	147,220	\$12,753,959	\$22,546,589	\$259,748																					
2051	\$168,020	\$210,025	\$315,545	\$315,545	\$1,74	\$2,17	24,461	150,152	\$14,563,452	\$25,264,289	\$282,915																					
2052	\$188,274	\$235,343	\$353,584	\$353,584	\$1,74	\$2,17	24,689	152,447	\$16,518,785	\$28,309,608	\$287,183																					
2053	\$210,971	\$263,714	\$396,208	\$396,208	\$1,74	\$2,17	24,917	154,716	\$18,285,723	\$31,722,040	\$291,516																					
2054	\$236,403	\$325,504	\$443,971	\$443,971	\$1,87	\$2,33	25,145	157,050	\$20,489,776	\$35,545,841	\$317,515																					
2055	\$244,902	\$331,127	\$497,492	\$497,492	\$1,87	\$2,33	25,373	159,420	\$22,959,527	\$39,830,601	\$322,305																					
2056	\$296,836	\$371,045	\$557,465	\$557,465	\$1,87	\$2,33	25,601	161,825	\$25,727,907	\$44,631,888	\$327,168																					
2057	\$332,619	\$455,774	\$624,667	\$624,667	\$2,01	\$2,50	25,829	164,266	\$28,828,106	\$50,011,971	\$335,347																					

Yellow cells are input cells									

<tbl_r cells="1" ix="2" maxcspan="10" maxrspan="1" used

City of Tacoma		< 2.5 Summer times Winter		> 2.5 Summer times Winter		ERU Growth		City of Tacoma		Lakewood	
Year	October -May	June -Sept	Winter	October -May	June -Sept	Total ERU	Usage with Growth	80,058	Annual Usage Cost	80,058	Lakewood savings compared to Tacoma
2058	\$465,896	\$699,971	\$2,01	\$2,50	\$166,744	26,057	< 2.5 times	\$36,040,623	\$364,723	\$508,564,286	
2059	\$417,648	\$522,059	\$784,352	\$2,01	\$2,50	26,285	169,260	\$36,196,884	\$325,794,669	\$507,993,135	
2060	\$467,995	\$584,994	\$878,906	\$2,15	\$2,68	26,513	171,113	\$40,160,127	\$35,829,704	\$62,428,849	
2061	\$545,412	\$655,515	\$984,858	\$2,15	\$2,68	26,741	174,405	\$45,449,359	\$78,848,105	\$69,995,871	
2062	\$587,630	\$734,537	\$1,103,583	\$2,15	\$2,68	26,969	177,036	\$50,927,988	\$88,352,953	\$410,988,265	
2063	\$658,468	\$823,085	\$1,236,619	\$2,31	\$2,88	27,197	179,707	\$57,067,065	\$99,003,610	\$461,504,167	
2064	\$737,847	\$922,308	\$1,385,694	\$2,31	\$2,88	27,425	182,418	\$63,946,209	\$110,938,204	\$448,839	
2065	\$826,794	\$1,033,493	\$1,522,739	\$2,31	\$2,88	27,653	185,170	\$71,654,633	\$124,311,513	\$462,484	
2066	\$926,464	\$1,158,080	\$1,739,922	\$2,48	\$3,09	27,881	187,964	\$80,292,308	\$139,296,975	\$503,732	
2067	\$1,038,149	\$1,297,687	\$1,949,670	\$2,48	\$3,09	28,109	190,800	\$89,971,255	\$156,088,934	\$511,331	
2068	\$1,163,298	\$1,454,123	\$2,184,702	\$2,48	\$3,09	28,337	193,678	\$100,816,998	\$174,905,164	\$82,053,642	
2069	\$1,303,534	\$1,629,417	\$2,448,068	\$2,66	\$3,31	28,565	196,600	\$112,970,196	\$195,989,691	\$92,351,596	
2070	\$1,460,675	\$1,825,844	\$2,743,183	\$2,66	\$3,31	28,793	199,566	\$126,588,462	\$219,615,957	\$112,404,856	
2071	\$1,636,159	\$2,045,949	\$3,073,874	\$2,66	\$3,31	29,021	202,577	\$141,848,410	\$246,090,369	\$582,524	
2072	\$1,834,071	\$2,292,588	\$3,444,429	\$2,85	\$3,55	29,249	205,633	\$158,947,945	\$275,756,277	\$634,478	
2073	\$2,055,168	\$2,568,960	\$3,859,655	\$2,85	\$3,55	29,477	208,735	\$178,108,828	\$308,988,399	\$644,050	
2074	\$2,302,918	\$2,878,648	\$4,324,936	\$2,85	\$3,55	29,705	211,884	\$19,579,556	\$346,247,856	\$653,766	
2075	\$2,500,525	\$3,225,669	\$4,743,183	\$3,06	\$3,81	215,081	223,638,581	\$387,987,754	\$732,074	\$222,926,507	
2076	\$2,891,619	\$3,614,523	\$5,430,530	\$3,06	\$3,81	20,161	218,326	\$250,597,920	\$434,759,386	\$722,817	
2077	\$3,240,203	\$4,050,254	\$6,085,180	\$3,06	\$3,81	30,389	221,619	\$280,807,208	\$487,169,339	\$733,721	
2078	\$3,630,810	\$4,538,512	\$6,818,749	\$3,29	\$4,09	30,617	224,963	\$314,658,226	\$55,897,312	\$799,160	
2079	\$5,085,630	\$6,407,749	\$7,640,749	\$3,29	\$4,09	30,845	228,357	\$352,589,984	\$611,704,941	\$811,217	
2080	\$4,558,962	\$5,598,703	\$8,561,841	\$3,29	\$4,09	31,073	231,802	\$39,954,416	\$665,445,681	\$823,455	
2081	\$5,108,545	\$6,385,681	\$9,593,971	\$3,53	\$4,39	31,301	235,299	\$442,722,756	\$768,075,866	\$896,997	
2082	\$5,724,380	\$7,155,475	\$10,750,524	\$3,53	\$4,39	31,529	238,848	\$49,092,693	\$860,667,121	\$910,428	
2083	\$6,414,454	\$8,018,068	\$12,046,500	\$3,53	\$4,39	31,757	242,452	\$55,896,376	\$964,420,251	\$924,163	
2084	\$7,187,717	\$8,984,646	\$13,498,706	\$3,78	\$4,71	31,985	246,110	\$62,909,393	\$1,109,080,821	\$931,007,587	
2085	\$10,067,745	\$15,125,975	\$15,125,975	\$3,78	\$4,71	32,213	249,822	\$69,000,829	\$1,210,956,829	\$1,021,773	
2086	\$9,025,129	\$11,281,411	\$16,949,411	\$3,78	\$4,71	32,441	253,591	\$78,214,538	\$1,256,937,130	\$1,037,187	
2087	\$10,113,108	\$12,641,386	\$18,992,662	\$4,06	\$5,06	32,669	257,417	\$86,431,771	\$1,520,515,610	\$1,129,692	
2088	\$11,133,244	\$14,165,305	\$21,282,228	\$4,06	\$5,06	32,897	261,301	\$98,028,530	\$1,703,813,476	\$1,146,735	
2089	\$12,698,346	\$15,872,932	\$23,847,800	\$4,06	\$5,06	33,125	265,243	\$1,10,475,425	\$1,909,207,899	\$1,164,035	
2090	\$17,786,414	\$26,722,653	\$47,210,192	\$4,36	\$5,43	33,353	269,244	\$2,135,137,446	\$2,139,362,620	\$1,267,852	
2091	\$15,930,566	\$29,944,068	\$49,944,068	\$4,36	\$5,43	33,581	273,306	\$1,381,791,874	\$2,397,262,493	\$1,286,979	
2092	\$17,666,557	\$22,333,196	\$53,553,826	\$4,36	\$5,43	33,809	277,429	\$1,548,366,593	\$2,586,252,195	\$1,306,395	
2093	\$20,020,370	\$25,025,463	\$37,598,739	\$4,67	\$5,82	34,037	281,615	\$1,735,021,895	\$3,010,079,606	\$1,422,910	
2094	\$22,433,826	\$28,042,282	\$42,131,268	\$4,67	\$5,82	34,265	285,863	\$1,944,178,493	\$3,372,944,412	\$1,444,376	
2095	\$31,422,223	\$52,901,380	\$52,901,380	\$5,02	\$6,25	34,493	290,176	\$2,177,082,753	\$20,209,897,022	\$1,286,979	
2096	\$28,168,636	\$52,901,380	\$59,278,642	\$5,02	\$6,25	34,721	294,554	\$2,441,172,701	\$2,235,177,340	\$1,396,930	
2097	\$31,564,457	\$54,211,812	\$66,424,682	\$5,02	\$6,25	34,949	298,997	\$2,735,455,779	\$4,745,727,677	\$1,621,022	
2098	\$35,369,450	\$74,561,546	\$74,561,546	\$5,38	\$6,70	35,405	308,087	\$3,053,214,681	\$5,517,924,858	\$1,645,478	
2099	\$39,533,237	\$83,404,977	\$83,404,977	\$5,38	\$6,70	35,633	312,735	\$3,848,781,951	\$6,677,232,053	\$1,819,272	

City of Tacoma		< 2.5 Summer times Winter		> 2.5 Summer times Winter		ERU Growth		City of Tacoma		Lakewood	
Year	October -May	June -Sept	Winter	October -May	June -Sept	Total ERU	Usage with Growth	80,058	Annual Usage Cost	80,058	Lakewood savings compared to Tacoma
2058	\$407,717	\$659,971	\$2,01	\$2,50	\$166,744	26,057	< 2.5 times	\$36,040,623	\$364,723	\$508,564,286	
2059	\$417,648	\$522,059	\$784,352	\$2,01	\$2,50	26,285	169,260	\$36,196,884	\$325,794,669	\$507,993,135	
2060	\$467,995	\$584,994	\$878,906	\$2,15	\$2,68	26,513	171,113	\$40,160,127	\$35,829,704	\$640,959,006	
2061	\$545,412	\$655,515	\$984,858	\$2,15	\$2,68	26,741	174,405	\$45,449,359	\$78,848,105	\$405,961	
2062	\$587,630	\$734,537	\$1,103,583	\$2,15	\$2,68	26,969	177,036	\$50,927,988	\$88,352,953	\$807,342,017	
2063	\$658,468	\$823,085	\$1,236,619	\$2,31	\$2,88	27,197	179,707	\$57,067,065	\$99,003,610	\$905,896,788	
2064	\$737,847	\$922,308	\$1,385,694	\$2,31	\$2,88	27,425	182,418	\$63,946,209	\$110,938,204	\$110,482,594	
2065	\$826,794	\$1,033,493	\$1,522,739	\$2,31	\$2,88	27,653	185,170	\$71,654,633	\$124,311,513	\$123,849,030	
2066	\$926,464	\$1,158,080	\$1,739,922	\$2,48	\$3,09	27,881	187,964	\$80,292,308	\$139,296,975	\$138,793,244	
2067	\$1,038,149	\$1,297,687	\$1,949,670	\$2,48	\$3,09	28,109	190,800	\$89,971,255	\$156,088,934	\$143,589,259	
2068	\$1,163,298	\$1,454,123	\$2,184,702	\$2,48	\$3,09	28,337	193,678	\$100,816,998	\$174,905,164	\$155,986,378	
2069	\$1,303,534	\$1,629,417	\$2,448,068	\$2,66	\$3,31	28,565	196,600	\$112,970,196	\$195,989,691	\$180,409,751	
2070	\$1,460,675	\$1,825,844	\$2,743,183	\$2,66	\$3,31	28,793	199,566	\$126,588,462	\$219,615,957	\$203,451,821	
2071	\$1,636,159	\$2,045,949	\$3,073,874	\$2,66	\$3,31	29,021	202,577	\$141,848,410	\$246,090,369	\$582,524	
2072	\$1,834,071	\$2,292,588	\$3,444,429	\$2,85	\$3,55	29,249	205,633	\$158,947,945	\$275,756,277	\$634,478	
2073	\$2,055,168	\$2,568,960	\$3,859,655	\$2,85	\$3,55	29,477	208,735	\$178,108,828	\$308,988,399	\$644,050	
2074	\$2,302,918	\$2,878,648	\$4,324,936	\$2,85	\$3,55	29,705	211,884	\$19,579,556	\$346,247,856	\$653,766	
2075	\$2,500,525	\$3,225,669	\$4,743,183	\$3,06	\$3,81	215,081	223,638,581	\$387,987,754	\$732,074,070	\$387,505,587	
2076	\$2,891,619	\$3,614,523	\$5,430,530	\$3,06	\$3,81	20,161	218,326	\$250,597,920	\$434,759,386	\$409,567,845	
2077	\$3,240,203	\$4,050,254	\$6,085,180	\$3,06	\$3,81	30,389	221,619	\$280,807,208	\$487,169,339	\$450,777,774	
2078	\$3,630,810	\$4,538,512	\$6,818,749	\$3,29	\$4,09	30,617	224,963	\$314,658,226	\$55,897,312	\$505,875,925	
2079	\$5,085,630	\$6,407,749	\$7,640,749	\$3,29	\$4,09	30,845	228,357	\$352,589,984	\$611,704,941	\$563,496,099	
2080	\$4,558,962	\$5,598,703	\$8,561,841	\$3,29	\$4,09	31,073	231,802	\$39,954,416	\$665,445,681	\$584,622,226	
2081	\$5,108,545	\$6,385,681	\$9,593,971	\$3,53	\$4,39	31,301	235,299	\$442,722,756	\$768,075,866	\$896,997	
2082	\$5,724,380	\$7,155,475	\$10,750,524	\$3,53	\$4,39	31,529	238,848	\$49,092,693	\$860,667,121	\$910,428	
2083	\$6,414,454	\$8,018,068	\$12,046,500	\$3,53	\$4,39	31,757	242,452	\$55,896,376	\$964,420,251	\$924,163	
2084	\$7,187,717	\$8,984,646	\$13,498,706	\$3,78	\$4,71	31,985	231,802	\$69,000,829	\$1,210,956,829	\$1,021,773	
2085	\$10,067,745	\$15,125,975	\$15,125,975	\$3,78	\$4,71	32,213	249,822	\$1,231,791,87			

History of water purchased from City of Tacoma (COT)

	2007	2008	2009	2010	2011	
JAN				29,900	29,900	Gallons per day
FEB				35,251	38,991	196,524 Cubic feet per day
MAR				3,740	3,740	30 days typical month
APR				0	0	
MAY					990,352	1,470,000
JUN					1,331,432	
JUL					7,779,340	
AUG					15,607,708	
SEP					2,722,720	
OCT					907,573	
NOV					16,830	
DEC					41,200	
TOTALS	52,500	6,137,400	15,019,780	1,568,930	5,783,603	0
					28,562,213	5,712,443

Purchased	Average
29,900	29,900
38,991	19,496
3,740	3,740
0	0
990,352	495,176
1,331,432	665,716
7,779,340	1,944,835
15,607,708	3,901,927
2,722,720	907,573
907,573	
16,830	
41,200	
0	
28,562,213	5,712,443

Summer Usage 7,915,227
Winter Usage 90,566

8,005,793 906
80,058

Adjusted to per 100 cubic feet for billing purposes.

History of water purchased from City of Tacoma (COT)

Tacoma rates *

	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>4-year Average</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Summer	\$1,667	\$1,849	\$2,134	\$2,480	\$2,78	\$3.11	\$3.49	\$3.91	\$4.38	\$4.91	
Winter	\$1,332	\$1,477	\$1,707	\$1,984	16.2%	12.1%	\$2.22	\$2.49	\$2.79	\$3.13	\$3.51
					10.9% 10.9%	15.4% 15.6%	15.6% 16.2%	12.1% 12.1%			\$3.93

* rates from City Ordinance email to company on February 24, 2011

Summer Rate	7,915,227	\$ 168,911	\$ 196,298	\$ 219,961	\$ 246,478	\$ 276,191	\$ 309,485	\$ 346,794	\$ 388,600
Winter Rate	90,566	\$ 1,546	\$ 1,797	\$ 2,013	\$ 2,256	\$ 2,528	\$ 2,833	\$ 3,174	\$ 3,557
Total		\$ 170,457	\$ 198,094	\$ 221,975	\$ 248,734	\$ 278,719	\$ 312,318	\$ 349,968	\$ 392,157

Lakewood rates **

	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012 ***</u>	<u>3-year Increase</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Summer	\$0.65	\$0.65	\$0.65	\$0.70	\$0.70	\$0.70	\$0.70	\$0.75	\$0.75	\$0.75	\$0.80
Winter	\$0.81	\$0.81	\$0.81	\$0.87	\$0.87	\$0.87	\$0.87	\$0.93	\$0.93	\$0.93	\$1.00

** rates from LWD email to company on March 8, 2011

*** Rates adjusted every three years on June 1.

Summer Rate	7,915,227	\$ 51,449	\$ 55,205	\$ 55,205	\$ 59,235	\$ 59,235	\$ 59,235	\$ 59,235	\$ 59,235	\$ 63,559
Winter Rate	90,566	\$ 734	\$ 787	\$ 787	\$ 845	\$ 845	\$ 845	\$ 845	\$ 845	\$ 906
Total		\$ 52,183	\$ 55,992	\$ 55,992	\$ 60,079	\$ 60,079	\$ 60,079	\$ 60,079	\$ 60,079	\$ 64,465