

Volume II  
Appendices

# CITY OF EVERETT 2007 Comprehensive Water Plan



HDR

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## Responses to Comments



STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
20435 72nd Ave. S., Suite 200, K17-12 • Kent, Washington 98032 -2358

June 21, 2007

TOM THETFORD  
EVERETT PUBLIC WORKS DEPT. CITY OF  
3200 CEDAR STREET  
EVERETT WA 98201



RE: Everett Public Works Dept. City of, ID#24050  
Snohomish County  
Water System Plan - 2007  
Submittal # 07-0309

Dear Mr. Thetford:

Thank you for submitting the draft Water System Plan (WSP) for the City of Everett received in this office on March 20, 2007. We have reviewed the plan and offer the following comments. These comments must be adequately addressed prior to approval of the WSP.

**System Design & Analysis**

1. It is noted that Everett may be exploring the possibility of removing existing retail customers from the transmission lines. We strongly support this action and encourage Everett to start developing a plan for doing so. We are available to participate in any discussions or planning associated with this. Moreover:
  - We would appreciate the opportunity to discuss the development of any new Group A water systems before Everett approves a new master meter connection.
  - To further comply with the WAC (246-290-035), all new Group A water systems are required to be owned and/or operated by a Satellite Management Agency, if one is available.
  - Given the number of existing master meters and retail customers on the transmission line, we encourage Everett to go a step further and require any transmission line customer requesting a change or modification to their existing master meter be required to comply with all of the Municipal Code requirements.



2. The plan discusses reliability in terms of source, storage, and distribution; however distribution system redundancy does not appear to be adequate for a large system like Everett. All incoming water from the transmission lines must be pumped (essentially through the Evergreen Pump Station) to reach highest zone. If there is ever a catastrophic failure (fire, earthquake, etc) at Evergreen, there does not appear any other way to pump water to higher pressure zones. Please comment.

### **Conservation/Water Use Efficiency**

3. Your leakage volume appears to be 6% based on wholesale customer volumes subtracted from authorized consumption. The reported volume of 2.6 - 2.8 MGD compared to retail use of 10.3 MGD results in the range of 25% - 27% leakage. In your next WSP update you must describe transmission line leakage and efforts taken to minimize transmission line leakage (WAC 246-290-810(4)(i)(iii)) and identify where you believe the gains and costs in supply efficiencies reside from both the transmission lines and distribution grid.

### **Operation and Maintenance**

4. The O&M Manual should be updated to reflect any operational changes since the March 2007 turbidity event. More specifically, it should include a brief discussion on when backwash recycling will occur and under what conditions it should not occur.
5. It would be helpful, if possible, to relate CIP projects to specific system deficiencies or objectives; for example – replacement, low pressure, upgrades, capacity development, etc.
6. Given that we have identified the Panther Creek screen house as a high priority for cross connection control, please describe further how CIP item RS-2 relates to the necessary changes. More specifically, please detail which specific improvements are related to each year of cost.
7. Page 1-19 of the plan references the potential cross connection of filtered and unfiltered water at portal 4 and/or portal 6 on the northern transmission lines. Please describe the cross connection controls that are currently in place and whether this is adequate.
8. It is noted that a separate Emergency Response Program is available at the City. We would like to schedule a time to review this document and will be contacting you to set up a meeting.

### **Other Documentation**

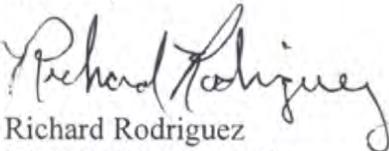
9. Please provide a signed SEPA document and a signed Determination of Nonsignificance (DNS) with the final WSP document.

We hope that you have found these comments to be clear, constructive and helpful in the development of your final draft WSP. We ask that you submit the revised WSP on or before September 25, 2007. In order to expedite the review of your revised submittal, please include a cover letter summarizing how each of the above comments was addressed in the revised WSP and where each response is located (i.e., page numbers, Appendices, etc.)

Regulations establishing a schedule for fees for review of planning, engineering and construction documents have been adopted (WAC 246-290-990). Please note that we have included an invoice in the amount of **\$5,305.00** for the review of the Water System Plan. This fee covers our cost for review of the initial submittal, plus the review of one revised document. Please remit your complete payment in the form of a check or money order within thirty days of the date of this letter to: **DOH, Revenue Section, P.O. Box 1099, Olympia, WA 98507-1099.**

Thank you again for submitting your draft Water System Plan for our review. If you have any comments or questions concerning our review, please contact me at (253) 395-6771.

Sincerely,



Richard Rodriguez  
WSDOH Regional Planner  
(253) 395-6771

Enclosure (invoice)

cc: Jolyn Leslie, DOH  
Ed Caine, Snohomish County Planning  
Snohomish Health District  
Paul Fabiniak, Department of Ecology, NWRO  
Jim Miller, City of Everett  
Jim Peterson, HDR Engineering

**2007 Everett Comprehensive Water Plan  
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No.	Reviewer	Section/Page # or Topic	Comment	Response
1	DOH	System Design and Analysis	Section 2.1.9 Removal of Retail Customers from Transmission Lines - Strongly support the action and encourage Everett to start developing a plan to remove existing retail customers from the transmission lines	The City continues to work with its wholesale customers to identify any opportunity to remove retail customers from the transmission lines.
2	DOH	System Design and Analysis	Please comment on distribution system redundancy for a large system such as Everett. All incoming water from the transmission lines must be pumped (essentially through the Evergreen Pump Station) to reach the highest zone. If there is ever a catastrophic failure (fire, earthquake, etc.) at Evergreen, there does not appear any other way to pump water to higher pressure zones.	See response to Comment #10.
3	DOH	Conservation/ Water Use Efficiency	Your leakage volume appears to be 6% based on wholesale customer volumes subtracted from authorized consumption. The reported volume of 2.6-2.8 mgd compared to retail use of 10.3 mgd results in the range of 25-27% leakage. In your next WSP Update you must describe transmission line leakage and efforts taken to minimize transmission line leakage and identify where you believe gains and costs in supply efficiencies reside from both the transmission lines and distribution grid.	As noted on page 3-15, the configuration of meters does not permit differentiating non-revenue water in the transmission system from non-revenue water in the retail distribution system. Therefore, the non-revenue water number you refer to in Table 3-3 (2.6 mgd in 2005) represents 3 components: 1) leakage in Everett's distribution system, 2) unbilled authorized consumption in Everett's distribution system, and 3) leakage and unbilled authorized consumption in the transmission system. Your 25% leakage number appears to be based on a calculation of 2.6 mgd non-revenue water divided by 10.3 mgd of retail sales, which results in systemwide non-revenue water as a percent of retail sales, rather than distribution system leakage (DSL) as a percent of production. Regardless, Everett plans to install meters near the entry to its distribution system and track unbilled authorized consumption to accurately calculate its DSL, in accordance with the DSL requirements of the new Water Use Efficiency Rule. Also, Everett will address transmission system leakage in its next WSP.
4	DOH	Operation and Maintenance	The O&M Manual should be updated to reflect any operational changes since the March 2007 turbidity event. More specifically, it should include a brief discussion on when backwash recycling will occur and under what conditions it should not occur.	Everett staff will provide a separate memorandum to DOH that describes any operational changes (including backwash recycling procedures) that are the result of the turbidity event in March 2007.
5	DOH	Operation and Maintenance	It would be helpful, if possible, to relate CIP projects to specific system deficiencies or objectives; for example - replacement, low pressure, upgrades, capacity development, etc.	For Tables 9-3 and 9-4, text in the third column describes the type of project (distribution improvement, storage, treatment, etc.). An additional column was added to the tables to describe the justification for each project.
6	DOH	Operation and Maintenance	Given that we have identified the Panther Creek screen house as a high priority for cross connection control, please describe further how CIP item RS-2 relates to the necessary changes. More specifically, please detail which specific improvements are related to each year of cost.	The City is currently evaluating eliminating the open channels that currently exist at the Panther Creek Screenhouse and hardpiping through the facility which would include installation of air gaps between the industrial and portable water lines.

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No.	Reviewer	Section/Page # or Topic	Comment	Response
7	DOH	Operation and Maintenance	Page 1-19 of the Plan references the potential cross connection of filtered and unfiltered water at portal 4 and/or portal 6 on the north transmission lines. Please describe the cross connection controls that are currently in place and whether this is adequate.	All pipes at Portal 4 have air gaps installed to meet DOH requirements for cross connection control. The text will be modified in the CWP to reflect this.
8	DOH	Operation and Maintenance	It is noted that a separate Emergency Response Program is available at the City. We would like to schedule a time to review this document and will be contacting you to set up a meeting.	Everett staff will be available to discuss the Emergency Response Program with DOH staff. Carl Baird is Everett's contact person and he can be reached at (425) 257-8800.
9	DOH	Other Documentation	Please provide a signed SEPA document and a signed Determination of Nonsignificance (DNS) with the final WSP document.	A signed version of the previous SEPA document has been included in the Appendices. In addition, a Memo from Allen Griffen is also included in the Appendices, explaining the reason for using 2001 SEPA for this Plan.
10	Alderwood Water & Wastewater District	Reservoir 3 and Pipeline 5	Throughout the Plan, it is stated that over 70 percent of the treated water produced by Everett currently flows through Reservoir 3. Supply to the reservoir comes from Everett's Pipeline 5. Given that Pipeline 5 and Reservoir 3 are the primary water supply source for the District and other nearby water district's, we are concerned about the long term supply to this reservoir, it's lack of redundancy, and Everett's ability to deliver water to all of our customers given the growth projected in the plan. In addition, the continued growth in water deliveries from this system could significantly impact the District's operation of its pump stations at this site, including the hydraulics of our station and the head available on the suction side of the pumps. The District believe that Plan did not provide enough evaluation of the impact of the growth of this service area on Reservoir 3, Pipeline 5, the Evergreen Way Pump Station, and Alderwood's Pump Stations 1 and 2.	The Everett water system has several redundancy features built into the system to reliably serve Everett's wholesale and retail customers. Some of the existing features include: extra capacity and backup power at the Evergreen Pump Station; and the construction of the Clearview facilities, which comprise an additional connection from Transmission Line No. 5 that serves Alderwood and other wholesale customers. In addition, a cross-tie pipeline is being planned to tie Transmission Line Nos. 2 and 3 with Transmission Line No. 5, in order to further increase the reliability of the Everett transmission system. To address Alderwood's concern at the Reservoir 3 site, MWH recent analysis of Reservoir 3 suction piping showed that there is adequate suction head to provide flows to Alderwood Pump Stations Nos. 1 and 2 in addition to Everett's Evergreen Pump Station.
11	Alderwood Water & Wastewater District	Page 1-51, Line 242+93	The Utility identified at this location should be the "Clearview Water Supply Agency" rather than the "Clearview Tap."	Text was changed in Table to read 'Clearview Water Supply Agency'.
12	Alderwood Water & Wastewater District	Page 2-7, Section 2.1.13 Wholesale Connection Charge	The District is very interested in any changes to the structure of the wholesale customer rates. As the largest of Everett's wholesale customers, the District would appreciate the opportunity to participate in the development of the new wholesale rate structure and have the opportunity to review these changes prior to implementation.	Comment noted. Everett will solicit District comments if changes are planned for the structure of wholesale customer rates.
13	Alderwood Water & Wastewater District	Page 4-14, Table 4-6 and Table 3-16	The projected demands is different in each table.	Tables in Chapter 4 have been edited to match the tables in Chapter 3. Text has been edited as well to reflect revised values in the tables.

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No.	Reviewer	Section/Page # or Topic	Comment	Response
14	Alderwood Water & Wastewater District	Page 4-15, Casino Tank and Reservoir 6 Service Area	The District is concerned about the demand projections shown in this service area. It is not clear how much of this demand is from growth in population and employment versus annexations. In the event that it is annexations, District's currently supply water to these customers and have constructed pump stations, transmission lines and reservoir to meet their needs. These customers have already paid a share of the capital costs associated with their water supply. Everett building pumping and storage capacity for customers getting service from District's may not be cost effective.	The majority of this demand is due to growth in population.
15	Alderwood Water & Wastewater District	Page 2-4, Section 2.1.3	We encourage the City to conduct the analysis described in this section which states: "Everett may determine after an analysis that it is more cost effective to enter into agreement with the existing water provider to continue service after annexation" prior to the construction of source, pumping and reservoir storage that would serve annexation areas. In addition, District's working cooperatively with Everett could result in a reduction in the City's investment in water delivery capital projects.	Comment noted. As stated, Everett will conduct an evaluation of potential annexation areas as necessary to determine whether taking over the water system is reasonable and cost effective. Everett will continue to work cooperatively with Alderwood Water District to efficiently provide excellent water service to its existing and future customers.
16	Alderwood Water & Wastewater District	Reservoirs 3 and 6	Throughout the Plan, the City assumed that 1/2 of Reservoir 3 and 6 is for wholesale customers. Does the City have any data or other information to support this assumption? In addition, why is this important to the City? Does it have a rate implication? Which wholesale customers benefit from these reservoirs?	The assumption was removed. No storage will be reserved for wholesale customers as they each have their own storage. All tables and text will be updated to reflect this.

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17	Alderwood Water & Wastewater District	Figure 6-1, Page 6-11	This figure indicates that the system demand will exceed the available annual quantity of supply (Qa) in 2035. However, this is not consistent with the text in the plan. A discuss of this and the potential implications should be added to the plan.	<p>The water rights shortfall is addressed in Section 6.2.4. Comparison of Water Rights with Water Demand. The following 4 statements are made: 1) "By comparing the City's existing water rights to the existing and projected demands for the typical six-year and 20-year planning periods, it can be seen that the City has <b>much more than</b> adequate existing water rights to meet these projected demands." 2) "It is noted however, that for the 50-year planning period, the projected demand for instantaneous quantity is <b>slightly</b> less than the City's existing water rights and the projected demand for annual quantity exceeds the City's existing water rights by approximately 27,000 acre feet per year." 3) "Therefore, Everett will need its pending water right application of 200 cfs (130 mgd) Qi to make-up for this projected shortfall. The City will continue to monitor demands over the next planning horizon to assess the best time to request approval of the pending water right application." <i>(response continued below)</i></p> <p><i>(response continued from above)</i> 4) "This figure shows that the projected demands, including conservation and reuse, for ADD and MDD will exceed the City's existing water rights between the years <b>2040 and 2050</b>." The first two groups of bolded words ("much more than" and "slightly") have been deleted and the bolded dates (2040 and 2050) have been changed to 2035 and 2045 to better reflect the graph.</p>
18	Alderwood Water & Wastewater District	Section 8.4.6, Page 8-6	The District would like to see Everett describe their emergency response operations for water supply events more fully in the Plan, including the role of it's wholesale customers.	For security reasons, Everett made the decision not to include detailed discussion of emergency response operations in the Plan. Alderwood Water District staff are welcome to set up an appointment to review the Emergency Response Plan with Everett staff at Public Works office. Please contact Carl Baird at (425) 257-8800 to review the City's Emergency Response Plan.
19	Alderwood Water & Wastewater District	Figure 9-1, Page 9-3	The District is concerned about the capacity expansion of the Evergreen Way Pump Station and it's impact on the District's Pump Station 1 and 2 operations.	MWH recently completed a study that determined that Reservoir 3 has the the capacity to deliver AWWD maximum flow of 50 MGD in addition to Evergreen Way Pump Station maximum flow of 30 MGD.
20	Alderwood Water & Wastewater District	Table 9-2, Page 9-4	The District is similarly concerned about storage plans that could impact the operations of the District's Pump Station 1 and 2.	The Everett water system has adequage storage to supply Everett's retail service area and all of its wholesale customers. See response to Comment No. 19.

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No.	Reviewer	Section/Page # or Topic	Comment	Response
21	Alderwood Water & Wastewater District	Table 9-3 and Table 9-4	The District is very interested in the allocation of projects to the distribution system versus the transmission and storage system. The District requests that the capital projects be identified as allocated to wholesale versus direct service customers.	All of the CIP projects are sorted according to the type of project (storage, transmission, etc.) as noted in third column of Table 9-3 and 9-4. The project type identifies whether the project is allocated to wholesale customers or to direct service customers.
22	Alderwood Water & Wastewater District	Chapter 10	The Plan identifies a significant capital improvement program for the City over the next 20 years. The District anticipates that the City will include contributions from its wholesale customers, either through rates or other means, to fund these improvements. The District would like to meet with the City and discuss how and where costs will be allocated and any changes to the structure of the wholesale customer rates.	Comment noted. The City has already done this through EWUC meetings. A subcommittee including Alderwood, Silver Lake, Snohomish PUD and Everett was formed to review and evaluate the cost allocation of the CIP projects. The committee presented its recommendation to EWUC. The recommendation was accepted by all of the EWUC members.
23	Mukilteo Water District	Table 3-6, Peaking Factor for Wholesale Customers	MWD maximum day demand peaking factor is shown as 2.20 and note (c) indicated the MWD 1997 Water System Plan (WSP) was used. The MWD current WSP is 2003 and our peaking factor is 1.85. A copy of my August 31, 2006 letter recommending the City review and utilize the current 2003 plan is enclosed.	The peaking factor used for Mukilteo Water District (MWD) is 2.0, based on MWD's 2003 Water System Comprehensive Plan. That plan documents that while MWD's historical peaking factor was 1.85, 2.0 was used in the demand forecast in order to be conservative. Table 3-6 in the Everett Comprehensive Water Plan has been changed to reflect using the 2.0 peaking factor.
24	Mukilteo Water District	Page 3-22	At a peak day ratio of 1.85 the MWD peak day demands would be: 2006 at 5.1 MGD, 2011 at 5.2 MGD, 2025 at 5.7 MGD, and 2050 at 7.0 MGD.	See response to Comment #23.
25	Mukilteo Water District	Table 1-9	"City of Mukilteo" should be "Mukilteo Water District."	Change was made.
26	Mukilteo Water District	Page 4-1, last paragraph	"City of Mukilteo" should be "Mukilteo Water District."	Change was made
27	Mukilteo Water District	Page 4-17, Table 4-9	Shouldn't the system-wide numbers at the bottom of the second and third sections of the table be bracketed (negative) and the same numbers shown at the bottom of the fourth section after 2011?	The table is correct. The values in the second and third section of the table are the amount of additional source that will be added to offset the deficiency. Thus in 2020 we are adding 26.4 mgd source (second section) for a total of 26.4 mgd of new source (Section 3) resulting in elimination of the deficiency.
28	Mukilteo Water District	Page 4-18 and Table 4-10	On page 4-18 it is stated that the demand in the storage analysis is only Everett retail, that wholesale customers must provide their own storage, yet in Table 4-10 it is assumed that half of the storage in Reservoirs 3 and 6 is reserved for wholesale customers.	Storage calculations have been changed to eliminate the storage reservation for wholesale customers. The full available volume for each reservoir will be included in the calculations. The appropriate tables have been changed.
29	Mukilteo Water District	Page 4-22, Table 4-11	Why is the peak hour demand in 2005 higher than in all other years except build-out?	There was a math error in the cell; a corrected table is included in the document.
30	Mukilteo Water District	Page 4-24, Table 4-12	Table 4-12 assumes half of the storage in Reservoir 6 is used by wholesale customers. MWD provides its own peak hour storage and the Silver Lake Water District has reduced its demand on the Everett distribution system by about 80%.	See response to Comment #28.

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31	Mukilteo Water District	Page 4-26, Table 4-14	This table shows that existing water rights can serve up to 628,403 average and 658,795 peak day ERUs, which is more than the Build-out (2050) number of ERUs shown in Table 4-6 on Page 4-14, yet at page 6-11 in Figure 6-1 demand is shown as exceeding water rights (with conservation) after 2035 (average) and 2040 (peak day).	See response to Comment #44. The water rights table (Table 4-14) has been modified to reflect the amount of water rights that are set aside for non-potable use and only calculates the maximum number of potable ERUs.
32	Mukilteo Water District	Table 9-3	This table identifies City proposed capital improvements including estimated project costs in 2006 dollars. My observation recently has been that many project have been coming in over the engineering estimate, including the Casino Road Reservoir Project. It may be prudent to re-estimate project costs. (May 6, 2007 news article enclosed.)	Comment noted. The City used a 7% inflation rate for cost estimates for years 2007, 2008 and 2009 and a 5% inflation rate thereafter. The City feels this configuration to be adequate over the long range.
33	Snohomish County PUD	Page 1-14, Table 1-3	The table and accompanying narrative indicate that the approximate capacity of "Tunnel No. 1" is 171 MGD. Calculations by the District's engineers place the capacity closer to 122 MGD (189 cfs). While this constraint may be of limited consequence so long as the hydro project continues to function and can provide up to approximately 380 cfs/245 MGD, should the power tunnel or pipeline be inoperative for an extended period of time for any reasons, the City might face source capacity limitations in the near future during peaking periods.	The City is in discussions with the PUD on this matter.
34	Snohomish County PUD	Page 2-5, Section 2.1.8	In April 2005, the City of Everett created the Spada Lake Recreation Policy. The existence and content of this policy have not been reviewed, publicized and discussed with all of the major landowners in the Sultan Basin, nor has the policy been introduced into the Jackson Project relicensing process for stakeholder consideration. The District recommends that work continue with Snohomish County for adoption of a suitable ordinance protecting water quality in the watershed and that the City advise relicensing stakeholders of its policy and the water quality reasons and history behind the policy.	The section and appendix have been modified to clarify that this is a position paper and not a policy for the recreational use of Spada Reservoir.
35	Snohomish County PUD	Page 2-5, Section 2.1.8	The second paragraph in this section indicates that the U.S. Fish & Wildlife Service is the landowner in the Sultan Basin. However, federal lands in the Sultan Basin are managed by the U.S. Forest Service.	The reference to U.S. Fish and Wildlife Service has been changed to U.S. Forest Service.

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36	Snohomish County PUD	Page 2-7, Section 2.1.13 Wholesale Connection Charge	Converting the 1.2 rate surcharge to a connection fee based on new retail connections in the wholesale customers' service area will cause the District to pass-through the connection charge that would be collected by the District and paid to the City. Due to the sustained levels of growth experienced in the District's service area, imposing an additional connection fee to each new service connection supplied with water from Spada Lake will have a considerable impact on developers and the building community. Should the results of Everett's rate study indicate implementing this change, the District will require adequate time to conduct its own public process to incorporate the Everett connection charge into its rates and fees policy.	Comment noted. At this time, Everett has no plans for pursuing the implementation of a connection charge in its wholesale areas.
37	Snohomish County PUD	Pages 2-7, 2-8, Sections 2.1.14 and 2.1.16; Page 6-14; Section 6.4.1 Potential Intertie/ Wholesale Service Area Expansion/Swap Alternative	All of these matters would involve sending water from Spada Lake to King County; the first intertie might be limited to emergency conditions but the other proposals would be indefinite. Each of these choices requires prior fundamental modification of the underlying agreement between the City of Everett and the Public Utility District No. 1 of Snohomish County governing construction and management of the Jackson Hydroelectric Project and use of the water resource.	Section 2.1.14 Potential Intertie with Seattle, Section 6.4.1 Snohomish River Water, and Section 2.2.3. Snohomish River Regional Water Authority Water Right each note that any intertie with Seattle and/or swapping Snohomish River and Sultan River water would be subject to approval by the PUD. In Section 2.1.14 Potential Intertie with Seattle, the text has been modified to reflect that this intertie would be for emergency purposes only. (Souheil: See attached document with recommended edits via tracked changes.) In Section 2.1.16 Wholesale Service Area, the extension of Everett's wholesale service area into King County is related to the use of Snohomish River Regional Water Authority water, which has a place of use that includes King County.
38	Snohomish County PUD	Pages 2-7, 2-8, Sections 2.1.14 and 2.1.16; Page 6-14; Section 6.4.1 Potential Intertie/ Wholesale Service Area Expansion/Swap Alternative	Any decision to offer or to send Spada Lake water across the county line would have to be very carefully considered because of its potential implications for all of the citizens of Snohomish County. Not only might such an action potentially limit the availability of water for the future growth of Snohomish County, once the transfer has been made, it will be difficult or impossible to recall or limit.	See response to Comment #37.

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39	Snohomish County PUD	Pages 2-7, 2-8, Sections 2.1.14 and 2.1.16; Page 6-14; Section 6.4.1 Potential Intertie/ Wholesale Service Area Expansion/Swap Alternative	Further, the Jackson Hydro Project has been constructed and maintained largely at the expense of the county's electric ratepayers, and the cost of any lost generation that must be covered by other energy purchases, losses due to stranded investment, and contributions electric ratepayers may have made toward the City of Everett's water system should be recognized and fairly compensated or reimbursed.	See response to Comment #37.
40	Snohomish County PUD	Pages 2-7, 2-8, Sections 2.1.14 and 2.1.16; Page 6-14; Section 6.4.1 Potential Intertie/ Wholesale Service Area Expansion/Swap Alternative	Any decision to send water outside of Snohomish County must be carefully considered by the full range of affected interests, and all impacts determined and addressed effectively before any commitments can be made or significant steps taken to deliver Spada Lake water to King County. The City of Everett's proposed expansion of its water service area is a significant step that should not proceed without evaluation and approval by affected interests, including the District, after public input.	See response to Comment #37.
41	Snohomish County PUD	Page 3-32, Table 3-21, Figure 3-4	The District encourages continued implementation of a regional conservation program maximizing all cost-effective water conservation measures. Encouraging the efficient use of water extends supply to meet future needs; both for drinking water and generating electricity at the Jackson Hydro Project.	The conservation program contained in Chapter 5 is a robust program that works to maximize cost effective conservation. The savings from that program are incorporated into the forecast labeled Demand with Conservation and Reuse, which is the forecast Everett anticipates to occur. The forecast labeled Demand without Conservation and Reuse is only provided for comparison purposes.
42	Snohomish County PUD	Page 4-2, last paragraph and Figure 4-2, Page 4-5	Should the reference to "June" diurnal demands be "July"?	Text was changed to July.
43	Snohomish County PUD	Page 4-17, Table 4-9	The system-wide numbers at the bottom of the second and third sections of the table should be bracketed (negative) and the same numbers shown at the bottom of the fourth section after 2011.	The table is correct. The values in the second and third section of the table are the amount of additional source that will be added to offset the deficiency. Thus in 2020 we are adding 26.4 mgd source (second section) for a total of 26.4 mgd of new source (Section 3) resulting in elimination of the deficiency.

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Responses to Comments Received on March 2007 Draft Plan

No.	Reviewer	Section/Page # or Topic	Comment	Response
44	Snohomish County PUD	Page 4-26, Table 4-14	This table shows that existing water rights can serve up to 628,403 average and 658,795 peak day ERUs, which is more than the "build-out" (2050) number of ERUs shown in Table 4-6, page 4-14; however, at page 6-11, Figure 6, demand is shown as exceeding water rights (with conservation) after 2035 (average) and 2040 (peak day). This deserves some explanation.	The water right calculation shown in Table 4-14 did not consider the non-potable water use that needs to be removed from that available for potable water. Table 4-14 will be revised to only use the water right available for potable uses by subtracting the amount needed for non-potable use from the available water right prior to calculating the number of ERUS that can be met by the existing water right. Additionally, text will be added at the start of Chapter 4 to identify that calculations in this chapter pertain to potable water only.
45	Snohomish County PUD	Financial Analysis, Chapter 10	Revenue and expense projections are addressed on a system-wide basis, and presented in a way that combines transmission and distribution system costs. Since the breakdown of these costs and planned future expenditures for capital and other projects is very important to wholesale customers, and this approach would not likely be used for rate-setting in the future, it seems appropriate that the plan would clearly segregate projected transmission and distribution needs and costs.	The CWP identifies the projects and the rate-setting plans allocate the expenditure to the appropriate category.
46	Snohomish County PUD	Financial Analysis, Chapter 10	Based upon the CIP, it appears that the City is planning significant increases in distribution system projects more than six years in the future.	Comment noted. To keep up with growth in Snohomish County, provide consistent and reliable service and produce superior quality water for its retail and wholesale customers, Everett is planning for significant improvements to distribution, transmission and treatment facilities within its system.
47	Snohomish County PUD	Appendix 6-2, Section 2.1	The Climate Change discussion states that hydro power is "an ancillary benefit" in the operation of Spada Lake reservoir. While the various agreements governing construction and operation of the Jackson Hydro Project undoubtedly have elevated water supply and instream flow management for fish over hydro power production, it must be recognized that "but for" the construction of Stage II by the district, increasing the volume of the previous Stage I reservoir by four times, the City today would be at the edge of its operating capacity due to limited source storage. Hydro facilities currently deliver water to the City directly from Spada Lake, improving the City's raw water quality often well beyond what it would have been in the absence of "Stage II of the Project." The hydro power system has provided an essential benefit to the City's water system.	Everett staff agrees with this statement and will remove the word ancillary from the text in Appendix 6-2 and replace it with 'additional'.

2007 Everett Comprehensive Water Plan  
Responses to Comments Received on March 2007 Draft Plan

No.	Reviewer	Section/Page # or Topic	Comment	Response
48	Snohomish County PUD	Appendix 6-4, Section 2.5, at pages 10 and 15 (Watershed Control Program)	The City notes that its Lake Chaplain lands are managed first for water quality and then for wildlife habitat under the Wildlife Habitat Management Plan approved by FERC. Article 44 of the FERC license stipulates that water quality has precedence over other land use consideration. Together these requirements help to provide regulation assuring water quality control.	No response required. The City agrees with this statement.
49	Snohomish County PUD	Appendix 6-4, Section 2.5, at pages 10 and 15 (Watershed Control Program)	The third paragraph of this section indicates that wildlife mitigation was required as a part of mitigation for Stage II of the Jackson Project. While this is technically true, it was understood (and so noted in the 1981 FERC License Order at p.6) that mitigation for construction of the original Stage I water supply reservoir was to be postponed until completion of Stage II; therefore, construction of Stage II did not trigger an obligation that did not already exist.	No response required. The City agrees with this statement.
50	Snohomish River Regional Water Authority	Section 2.2.3	Make changes to Section 2.2.3 Snohomish River Regional Water Authority Water Right per the SRRWA's lawyer Tom Mortimer, as provided by Souheil on 7-16-07.	These text changes were made.
51	Woodinville Water District	Section 2.1.16	Change the text in Section 2.1.16 Wholesale Service Area line 5 to read "This includes the service area of Northshore..."	This text change was made.

## **Department of Health Checklists**

- **Water System Plan Checklist**
- **Municipal Water Law Checklist**

## Washington State Department of Health Water System Plan Submittal Form

This form is required to be submitted along with the Water System Plan (WSP). It will serve to expedite review and approval of your WSP. WSPs will not be reviewed until submittal form and checklist are completed.

City of Everett	24050 L	City of Everett
1. Water System Name Jim Miller	2. PWS ID# 425-257-8880	3. System Owner Name Engineer
4. Contact Name for Utility 3200 Cedar St	Phone Number Everett	Title WA, 98201
Contact Address Souheil Nasr	City 425-257-7210	State Principal Engineer
5. Project Engineer 3200 Cedar St	Phone Number Everett	Title WA, 98201
Project Engineer Address	City	State Zip
6. Billing Contact Name (required if not the same as #4)	Billing Phone Number	Billing Fax Number
Billing Address	City	State Zip

6. How many services are presently connected to the system? 24,301
7. Is the system expanding? (seeking to extend service area or increase number of approved connections)  Yes  No
8. If number of services is expected to increase, how many new connections are proposed in the next six years? See Section 3.6 for demand forecast.
9. If the system is private-for-profit, is it regulated by the State Utilities and Transportation Commission?  Yes  No
10. Is the system located in a Critical Water Supply Service Area?  Yes  No
11. Is the system a customer of a wholesale water purveyor?  Yes  No
12. Will the system be pursuing additional water rights from the State Department of Ecology in the next ten years? **(The City has a pending application for the Sultan River)**  Yes  No
13. Is the system proposing a new intertie? **(See Section 2.1.14 for discussion)**  Yes  No
14. Do you have projects currently under review by the Department of Health?  Yes  No
15. Are you requesting distribution main project report and construction document submittal exception, and if so, does the WSP contain standard construction specifications for distribution mains?  Yes  No
16. Are you requesting distribution related project report and construction document submittal exception, and if so, does the WSP contain distribution facilities design and construction standards, including internal engineering review procedures?  Yes  No
17. Have you sent copies of the draft WSP to adjacent purveyors and the County for their review and comment?  Yes  No

If answer to question 17 is yes, list adjacent utilities/entities that have received a copy of the draft WSP: **A copy of the planning data was sent to wholesale customers and Snohomish County for early input. This document was called the Planning Data Memorandum and included Chapters 1, 2, 3, 4, 5 and 6 of the CWP.**

Is this plan:  an Initial Submittal  a Revised Submittal

Please enclose the following number of copies of the WSP:

2 copies for Department of Health (*note only 1 copy needed for Revised Submittal*)

1 copy for Department of Ecology

1 additional copy if you answered "yes" to question 9

\_\_\_2\_\_\_ Copies Required

\_\_\_2\_\_\_ Total copies attached

## WSP Checklist

CONTENT DESCRIPTION	MUST BE SUBMITTED (✓)*	Section (unless otherwise noted) (IN WSP)
<b>Chapter 1 DESCRIPTION OF WATER SYSTEM</b>		
Ownership and Management	(✓)	1.2, 1.3, 8.2
System Background	(✓)	1.3, 1.6
Inventory of Existing Facilities	(✓)	1.6, 1.7
Related Plans (e.g., CWSP)	(✓)	2.3, 2.4
Existing and Future Service Area and Characteristics	(✓)	1.4
Agreement	( )	2.2
Map	(✓)	Figure 1-1
Service Area Policies (Including SMA Policy and Conditions of Service)	(✓)	2.1.1
<b>Chapter 2 BASIC PLANNING DATA</b>		
Current Population, Number of Service Connections, and ERUs	(✓)	Tables 3-1, 3-8, 3-10
Current Water Use and Data Reporting	(✓)	3.2.1, 3.3.1, 3.5
Current and Future Land Use	(✓)	Figures 2-1, 2-2
Future Population, Number of Service Connections, and ERUs (6 and 20 years)	(✓)	Table 3-10, Sec. 3.6
Future Water Use (Demand Forecast for 6 and 20 years)	(✓)	3.6
<b>Chapter 3 SYSTEM ANALYSIS</b>		
System Design Standards	(✓)	8.5
Water Quality Analysis	(✓)	7.0
System Description and Analysis	(✓)	See below
Source	(✓)	4.3, 4.5, 4.6
Treatment	( )	1.7.2
Storage	(✓)	4.4
Distribution System/Hydraulics	(✓)	4.1, 4.2
Summary of System Deficiencies	(✓)	4.3, 4.4, 4.5, 4.6, 9.1
Analysis of Possible Improvement Projects	(✓)	9.1
<b>Chapter 4 CONSERVATION PROGRAM AND SOURCE OF SUPPLY ANALYSIS</b>		
Conservation Program	(✓)	5.6
Water Right Evaluation	(✓)	6.2
Source of Supply Analysis	( )	6.4
Water Supply Reliability Analysis with Water Shortage Response Plan	(✓)	6.5, 6.6
Interties	( )	6.7
<b>Chapter 5 SOURCE WATER PROTECTION (CHECK ONE OR BOTH)</b>		
Wellhead Protection Program	( )	n/a
Watershed Control Program	( )	6.8
<b>Chapter 6 OPERATION AND MAINTENANCE PROGRAM</b>		
Water System Management and Personnel	(✓)	8.2
Operator Certification	(✓)	8.3
Routine Operating Procedures, Preventive Maintenance and Record Keeping	(✓)	8.4, 8.6, 8.8, 8.9
Water Quality Sampling Procedures (Comprehensive Monitoring Plan)	(✓)	7.0
Coliform Monitoring Plan	(✓)	7.5.3
Emergency Response Program	(✓)	8.4.6
Safety Procedures	(✓)	8.4.5
Cross-connection Control Program	(✓)	8.6.2
Customer Complaint Response Program	( )	8.6.3
Summary of O & M Deficiencies	(✓)	8.10
<b>Chapter 7 DISTRIBUTION FACILITIES DESIGN AND CONSTRUCTION STANDARDS</b>		
Standard Construction Specification for Distribution Mains	( )	8.5
Design and Construction Standards for Distribution Related Projects, including Internal Engineering Review Procedures (i.e., Alternative Review)	( )	8.5
<b>Chapter 8 IMPROVEMENT PROGRAM</b>		
Selection and Justification of Proposed Capital Improvements Projects	( )	9.1
Selection and Justification of Non-Capital Projects	( )	n/a
Improvement Schedule (6 and 20 years)	(✓)	9.1
<b>Chapter 9 FINANCIAL PROGRAM</b>		
Identification of Cost of Capital and Non-Capital Improvements	(✓)	11.4 & 11.5
Identification of Annual O & M Expenses	(✓)	11.5
Six-Year Balanced Operating Budget	(✓)	11.5
Discussion of Water Rates Including Proposed Increases and Rate Structures	(✓)	11.5 & 11.6
Financial Viability Test (for systems serving less than 1000)	( )	n/a
UTC Financial Viability and Feasibility Test (for UTC regulated systems)	( )	n/a
<b>Chapter 10 MISCELLANEOUS DOCUMENTS</b>		
County/Adjacent Utility Correspondence	(✓)	Appendices
State Environmental Policy Act (SEPA) Determination	( )	Appendices
Agreements	( )	2.2
Satellite Management Program	( )	n/a

## **Attachment 2: Municipal Water Law Water System Plan/Small Water System Management Program General Approval Checklist**

For each element, please identify where in your Water System Plan (WSP) or Small Water System Management Program (SWSMP) submittal the requirements of the Municipal Water Law identified in the column labeled “Element” are addressed.

The “Application” column identifies the type of plan (WSP or SWSMP) and the size of system the element applies to.

<b>Application</b>	<b>Element</b>	<b>Addressed in plan on pages indicated</b>	<b>Documentation Attached</b>
<b>Water rights and system capacity</b>			
WSP and SWSMP All size systems	The water rights self-assessment you have included in your WSP and SWSMP must be complete and must adequately reflect your water right status. Please review your self-assessment for completeness, accuracy and consistency with your water rights. If there are factors (i.e. supplemental, seasonal, etc.) to your water right that are not addressed in the self-assessment format, provide additional statements on how those factors affect your self-assessment.	Section 6.2.4	
WSP and SWSMP All size systems	The system capacity analysis must incorporate the water right quantity parameters (QaQi) found in your water rights self-assessment. Identify the number of connections, population served, and/or Equivalent Residential Units (ERUs) that you are currently serving and identify your current instantaneous and annual water usage. Water use demand should not exceed existing water right QaQi.	Sections 1.3, 3.1, 3.2.1, 3.2.3, 3.2.5	
WSP All size systems	The system capacity analysis must incorporate the water right quantity parameters (QaQi) found in your water rights self-assessment. For a 6-year planning horizon, evaluate the number of connections, population served, and/or Equivalent Residential Units (ERUs) that you are planning on serving, utilizing historical water usage and future population projections. Water use demand projections should not exceed existing water right QaQi.	Section 3.2.7	
<b>Service Area Delineation</b>			
WSP and SWSMP All size systems	Provide a map and description of the water system service area. The map must delineate your retail service area (existing and future) as well any other service area (existing and future) you wish to include in your water right place of use. Provide clear differentiation between the two boundaries.	Section 1.4	
WSP and SWSMP All size systems	Provide a copy of the land use map(s) for jurisdictions served by your system.	Figures 2-1 & 2-2	

Application	Element	Addressed in plan on pages indicated	Documentation Attached
<b>Conservation</b>			
WSP and SWSMP All size systems	New language has been added to RCW 70.119A, which states, "...municipal water suppliers shall continue to meet the existing conservation requirements of the department and shall continue to implement their current water conservation programs." Describe what, if any, previous efforts will be discontinued. For discontinued efforts, identify why continuation of these efforts would be ineffective or provide documentation that the discontinued program had a prescribed end date or savings level.	Section 5.0	
WSP All size systems	Must meet current conservation requirements. Please review the requirements (attached) and provide identification of where in your current WSP each of the elements is included.	Section 5.3	
SWSMP All size systems	Provide a completed Water Conservation Program (Element 14 of the SWSMP).	N/A	
WSP Systems serving 1000 or more connections	Describe the projects, technologies, and other cost-effective measures that comprise your water conservation program.	Section 5.6	
WSP Systems serving 1000 or more connections	Describe the improvements in the efficiency of water system use resulting from implementation of your water conservation program over the last six years.	Section 5.5	
WSP Systems with inchoate water rights serving 1000 or more connections	Provide a demand forecast for the next 6-years based on the water savings expected from the planned conservation measures.	Sections 3.2.7 & 5.6.4	
WSP Systems with inchoate water rights serving 1000 or more connections	Provide a demand forecast for the next 6-years based on the water savings expected if implementing additional conservation measures that were considered cost-effective, including those that were not chosen to be implemented at this time.	Sections 3.2.7 & 5.6.4	

Application	Element	Addressed in plan on pages indicated	Documentation Attached
<b>Reclaimed Water</b>			
WSP Systems with greater than 1000 connections	Exploring opportunities for water reclamation is an element of the Municipal Water Law that must be addressed in this plan Systems > 1000 Connections must complete <a href="#">Attachment 9: Water Reclamation Checklist for Systems with 1,000 or more Connections</a> or provide comparable documentation.	Section 3.5	
<b>Duty to Serve</b>			
WSP All size systems	Describe how your system responds to requests for new water service by providing: 1. The process for service requests, including timeframes 2. How you determine that your system's capacity is adequate to provide new water service (including sufficient water rights) 3. Conditions of a non-technical nature that may affect your ability to provide new water service (annexation procedures, water rights issues, local ordinances, etc.) 4. Your system's procedures for granting or requesting extensions of time during a water service related project, and describe your procedure for handling disputes and appeals when water service requests are denied	Section 2.1.1	
<b>Local Government Consistency</b>			
WSP or SWSMP All size systems	<i>Consistency with applicable adopted local plans, regulations and policies must be determined prior to plan submittal. For each appropriate planning agency provide a completed "Consistency Statement Checklist" or analogous documentation.</i>	Appendices	
<b>Watershed Coordination</b>			
WSP or SWSMP All size systems In Watershed Planning Process per RCW 90.82	If your system is located in an area developing a watershed plan per RCW 90.82, describe your efforts to coordinate with the local planning unit. We have attached a list of Water Resource Inventory Areas (WRIA) where watershed plans are currently in development along with contact names for each area.	N/A	

# SEPA Documentation



# **PLANNING AND COMMUNITY DEVELOPMENT**

Allan Giffen  
Director

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July 12, 2007

City of Everett Public Works Department  
Attn: Paul Crane  
3200 Cedar Street,  
Everett, WA 98201

**RE: *SEPA Exemption for Changes to Comprehensive Water Plan***

Dear Paul,

The City's SEPA Responsible Official has reviewed the environmental checklist and draft update to the City's Comprehensive Water Plan (CWP). A SEPA review was completed for the Comprehensive Water Plan in 2001 (SEPA No. 01-055). The environmental checklist and proposed changes to the CWP are minor and do not change the analysis contained in the 2001 SEPA review. Therefore, no further action is required by the City under SEPA to address the proposed changes to the CWP.

If you have any questions, please do not hesitate to call Gerry Ervine, or David Tyler, at 425-257-8731.

Sincerely,

  
Allan Giffen  
Director and SEPA Responsible Official

## ENVIRONMENTAL CHECKLIST

SEPA # 01-055

## A. BACKGROUND

## 1. Name of proposed project, if applicable:

City of Everett 2000 Comprehensive Water Plan Update

## 2. Name of applicant:

City of Everett Public Works Department

## 3. Address and phone number of applicant and contact person:

Applicant: Mr. Paul B. Crane, Environmental Planner  
 City of Everett  
 Public Works Department  
 3200 Cedar Street  
 Everett, WA 98201  
 425-257-8949

Engineering Contact Person: Mr. Ken Howe PE  
 City of Everett  
 Public Works Department  
 3200 Cedar Street  
 Everett, WA. 98201

## 4. Date checklist prepared:

October, 2000

## 5. Agency requesting checklist:

City of Everett, Planning Department

## 6. Proposed timing or schedule (including phasing, if applicable):

The City of Everett Comprehensive Water Plan Update (CWP) discusses planning considerations, existing system condition, operation and maintenance standards for the City, and recommended improvements to meet future water demands in Everett's water service area and to the City's wholesale customers. Both administrative plans and physical system improvement projects are discussed in the CWP. Administrative projects include the updated conservation plan and updated financial plan.

The six-year and twenty-year Capital Improvement Plan (CIP) presented in the CWP consist mainly of physical system improvement projects. The physical projects outlined improve the City's ability to provide a sufficient quantity of water at optimum quality. The projects described in the CIP are grouped according to supply, transmission system, storage, pump stations, and distribution system. Projects are defined for each year with the projected, estimated costs associated with each project. However, CIP projects listed in the CWP should not be viewed as a commitment by the City to implement each project as it is planned with the rate and schedule shown. Actual project implementation will be based on environmental review, permits and approvals, available funding, and scheduling requirements. The proposed plan is a non-project action. A separate Washington State Environmental Policy Act (SEPA) review will be completed prior to actual implementation and construction of each specific project. Certain categorical exemptions from the SEPA review process may apply to specific projects, in accordance with WAC 197-11-800 under part nine of the SEPA rules.

7. **Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

A new CWP update will be required in six years. At that time, projects that are beyond the six-year planning horizon will be updated. As mentioned above, projects scheduled in the CIP in the next six years will have a SEPA review done as part of each individual project.

8. **List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

Please refer to the CWP for a description of the water conservation plan and environmental information relevant to each specific CIP project.

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

Development within the City's water service area will continue throughout the life of this plan and is consistent with Snohomish County and the City of Everett planning policies, the urban growth boundary, and other environmental regulations such including the Endangered Species Act (ESA).

10. **List any government approvals or permits that will be needed for your proposal, if known.**

Does not apply.

11. **Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in the checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.**

The CWP is a non-project action. Specific projects cited in the CWP will have a separate SEPA review where necessary.

12. **Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

Not applicable.

## **B. ENVIRONMENTAL ELEMENTS**

### **1. Earth**

- a. **General description of the site (underline one):** Flat, rolling, hilly, steep slopes, mountain, other.

Does not apply.

- b. **What is the steepest slope on the site (approximate percent slope)?**

Does not apply.

- c. **What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.**

Does not apply.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Does not apply.

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Does not apply.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Does not apply.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Does not apply.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

Does not apply.

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Does not apply.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Does not apply.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Does not apply.

3. Water

- a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Does not apply.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Does not apply.

- 3) **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

Does not apply.

- 4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.**

The Snohomish River Regional Water Authority, of which the City is a member, has a pending application with Department of Ecology for a change in purpose and place of use for an industrial water right that was obtained from the Weyerhaeuser Company. The City's share of the water right is for 15 mgd for the purpose of manufacturing. The City's planned use for the acquired water right is as a new source of non-potable water for industrial purposes within the City. Specific projects to make use of this water right will have a separate SEPA review to be determined by the Everett Planning Department.

A pending water right also exists for additional withdrawals of Sultan River water. The purpose of use would be for municipal and industrial supply within the City's water service area. The flow rate specified in the application is 200 cfs to be withdrawn at the Culmback Dam. Specific projects to make use of this water right will have a separate SEPA review to be determined by the Everett Planning Department.

- 5) **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

Does not apply.

- 6) **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

There will be no new waste materials discharged to surface waters as a result of the acquired or pending water rights.

**b. Ground:**

- 1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.**

New groundwater wells will be constructed to provide irrigation water to Walter Hall Golf Course and Kasch Park. A separate SEPA review will be completed for this specific project.

- 2) **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

Does not apply.

**c. Water Runoff (including storm water):**

- 1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Does not apply.

- 2) **Could waste materials enter ground or surface waters? If so, generally describe.**

Does not apply.

**d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:**

Does not apply.

**4. Plants**

**a. Check or circle types of vegetation found on the site:**

Not applicable.

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

**b. What kind and amount of vegetation will be removed or altered?**

Does not apply.

**c. List threatened or endangered species known to be on or near the site.**

Does not apply.

**d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:**

Does not apply.

**5. Animals**

**a. Underline any birds and animals which have been observed on or near the site or are known to be on or near the site:**

- birds: Hawk, Heron, Eagle, Songbirds, other;
- mammals: Deer, Bear, Elk, Beaver, other;
- fish: Bass, Salmon, Trout, Herring Shellfish, other;

Does not apply.

**b. List any threatened or endangered species known to be on or near the site.**

Does not apply.

**c. Is the site part of a migration route? If so, explain.**

Does not apply.

**d. Proposed measures to preserve or enhance wildlife, if any:**

Does not apply.



- e. **What is the current zoning classification of the site?**
- f. **What is the current comprehensive plan designation of the site?**
- g. **If applicable, what is the current shoreline master program designation of the site?**
- h. **Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.**
- i. **Approximately how many people would reside or work in the completed project?**
- j. **Approximately how many people would the completed project displace?**
- k. **Proposed measure to avoid or reduce displacement impacts, if any:**
- l. **Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:**

**9. Housing**

- a. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**  
Does not apply.
- b. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**  
Does not apply.
- c. **Proposed measures to reduce or control housing impacts, if any:**  
Does not apply.

**10. Aesthetics**

- a. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**  
Does not apply.
- b. **What views in the immediate vicinity would be altered or obstructed?**  
Does not apply.
- c. **Proposed measures to reduce or control aesthetic impacts, if any:**  
Does not apply.

**11. Light and Glare**

- a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

Does not apply.

- b. **Could light or glare from the finished project be a safety hazard or interfere with views?**

Does not apply.

- c. **What existing off-site sources of light or glare may affect your proposal?**

Does not apply.

- d. **Proposed measures to reduce or control light and glare impacts, if any:**

Does not apply.

**12. Recreation**

- a. **What designated and informal recreational opportunities are in the immediate vicinity?**

Not applicable.

- b. **Would the proposed project displace any existing recreational uses? If so, describe.**

No.

- c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:**

Does not apply.

**13. Historic and Cultural Preservation**

See attached supplement D.4 for a discussion of a through c below.

- a. **Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.**

- b. **Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.**

- c. **Proposed measures to reduce or control impacts, if any:**

**14. Transportation**

See attached supplement D.6 for a discussion of a through g below.

- a. **Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.**

- b. **Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?**

- c. **How many parking spaces would the completed project have? How many would the project eliminate?**

- d. **Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (Indicate whether public or private).**

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.
- g. Proposed measures to reduce or control transportation impacts, if any:

15. Public Services

See attached supplement D.6 for a discussion of a and b below.

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.
- b. Proposed measures to reduce or control direct impacts on public services, if any.

16. Utilities

See attached supplement D.6 for a discussion of a and b below.

- a. Underline utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:  \_\_\_\_\_

Date Submitted: 7-15-07 ORVIS SIGMUND, D970, 12-2000

US Department of Agriculture, Soil Conservation Service  
1983 Soil Survey of Snohomish County Area Washington, Government Printing Office, Washington D.C.

**D. SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS**

The elements of the City's CWP that are addressed here are the water conservation plan and issues regarding water rights.

1. **How would the proposal be likely to increase discharge to water; emissions to air; production, storage or release of toxic or hazardous substances; or production of noise?**

Implementation of the water conservation plan will not have any adverse affects on the environment. There will be no new or additional impacting discharges to air, water, or land attributable to the water conservation plan.

Water right applications submitted by the City that are still pending are water rights that change the place and purpose of an existing right and supplementation of an existing right. There will not be any new noise production as a result of any of the projects mentioned here and no new discharges to air, water, or land.

2. **How would the proposal be likely to affect plants, animals, fish, or marine life?**

The existing Weyerhaeuser water rights present no new affects on plant, animal, fish, or marine life. The pending water right for additional withdrawals of the Sultan River would not supplant any requirements for meeting instream flow requirements for fish and environmental needs.

3. **How would the proposal be likely to deplete energy or natural resources:**

The water conservation plan would defer projects needed for additional supply capacity to meet future demands. Therefore, the water conservation plan would have an overall net benefit to the environment.

The Weyerhaeuser water right and the pending Sultan River water right are consistent with the Department of Ecology's requirements for withdrawing water in sustainable quantities while still meeting instream flow requirements.

4. **How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?**

The Weyerhaeuser water right and the pending Sultan River water right are consistent with the Department of Ecology's requirements for protecting and maintaining the quality of environmentally sensitive areas.

**Proposed measures to protect such resources or to avoid or reduce impacts are:**

A separate SEPA review will be completed if any new environmental impacts would result from the use of the Weyerhaeuser water right or pending Sultan River supplemental water right.

5. **How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?**

The CWP is consistent with the City's and County's General Plans, including Everett zoning ordinances And Everett Shoreline Management Plan uses.

**Proposed measures to avoid or reduce shoreline and land use impacts are:**

Any impacts will be addressed with environmental review (SEPA) of each project, if applicable.

6. **How would the proposal be likely to increase demands on transportation or public services and utilities?**

Does not apply.

**Proposed measures to reduce or respond to such demand(s) are:**

Does not apply.

7. **Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.**

The CWP follows guidelines distributed by Washington State Department of Health. The water conservation plan, an element of the CWP, is consistent with Department of Health and Department of Ecology requirements. Pending water right applications are following procedures required by Department of Ecology.

## **County/Adjacent Utility Correspondence**



COPY

June 13, 2006

Dear Stakeholder,

The City of Everett is currently updating its 2000 Comprehensive Water Plan (CWP). We are enclosing a copy of the "Planning Data Memorandum (PDM)" for your review and comments. As required by Municipal Water Supply Efficiency Requirements Act (commonly known as Municipal Water Law), please review the relevant water system planning information and provide by August 25<sup>th</sup> to the City of Everett a signed copy of the enclosed consistency statement for submittal to the Department of Health. The signed consistency statement may be mailed to:

Souheil Nasr  
City of Everett  
Department of Public Works  
3200 Cedar Street  
Everett, WA 98201

If you have any questions with respect to the PDM or the "consistency statement" you may call me at (425) 257-7210 or e-mail me at [snasr@ci.everett.wa.us](mailto:snasr@ci.everett.wa.us).

Your efforts in completing the review and the consistency statement are greatly appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Souheil Nasr".

Souheil Nasr, P.E.  
Principal Engineer

Cc: Jim Peterson, HDR

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett

PWS ID: 24050L

Planning Document Title: Draft Planning Data Memorandum

Date: May 2006

Local Planning Jurisdiction: City of Everett, Planning Department

<p align="center"><b>Consistency Statement</b> (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)</p>	<p align="center"><b>Section(s) or Page(s) in Planning Document (completed by utility)</b></p>	<p align="center"><b>Yes – No – Not Applicable</b></p>
<p>The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i></p>	<p>* <i>Figure 1-1 service area map.</i> * <i>Figure 2-1 zoning map.</i> * <i>Figure 2-2 land use map.</i> * <i>Section 2.4.1 City of Everett Comprehensive Plan.</i> * <i>Section 2.4.2 Snohomish County Comprehensive Plan.</i></p>	<p align="center"><i>Yes</i></p>
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p>	<p>* <i>Section 3.2.6 Demand Projection Methodology for Potable Water Use.</i> * <i>Section 3.2.7 Demand Forecast Results for Potable Water Use.</i> * <i>Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12.</i> * <i>Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.</i></p>	<p align="center"><i>Yes</i></p>
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	<p>* <i>Pg 3-14 regarding Tulalip Tribes.</i></p>	<p align="center"><i>Yes</i></p>
<p><b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i></p>	<p>* <i>Section 2.1.1 City of Everett Municipal Code.</i></p>	<p align="center"><i>Yes</i></p>
<p><b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.</p>	<p align="center"><i>n/a</i></p>	<p align="center"><i>n/a</i></p>

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

Signature  Date 12-27-06  
 Printed Name, Title, & Jurisdiction Allan Giffen, Planning Director, City of Everett

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett

PWS ID: 24050L

Planning Document Title: Draft Planning Data Memorandum

Date: May 2006

Local Planning Jurisdiction: Snohomish county, Planning Department

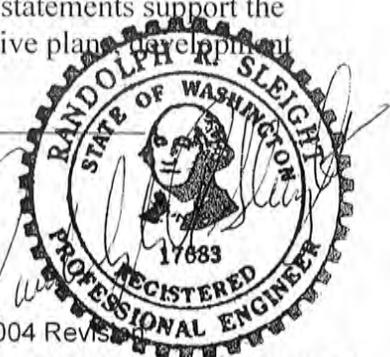
<p align="center"><b>Consistency Statement</b> (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)</p>	<p align="center"><b>Section(s) or Page(s) in Planning Document (completed by utility)</b></p>	<p align="center"><b>Yes – No – Not Applicable</b></p>
<p>The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i></p>	<p>* Figure 1-1 service area map. * Figure 2-1 zoning map. * Figure 2-2 land use map. * Section 2.4.1 City of Everett Comprehensive Plan. * Section 2.4.2 Snohomish County Comprehensive Plan.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p>	<p>* Section 3.2.6 Demand Projection Methodology for Potable Water Use. * Section 3.2.7 Demand Forecast Results for Potable Water Use. * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12. * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	<p>* Pg 3-14 regarding Tulalip Tribes.</p>	<p align="center">Yes</p>
<p><b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i></p>	<p>* Section 2.1.1 City of Everett Municipal Code.</p>	<p align="center">Yes</p>
<p><b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.</p>	<p align="center">n/a</p>	<p align="center">n/a</p>

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

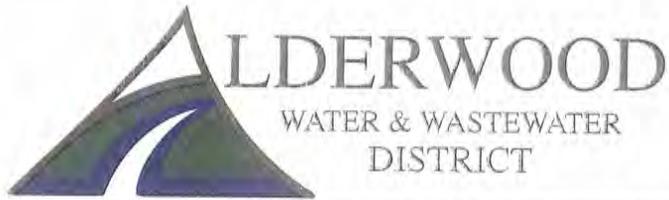
Randolph R. Sleight PE, PLS  
Signature

1/3/2007  
Date

RANDOLPH R. SLEIGHT CHIEF ENGINEERING OFFICER  
Printed Name, Title, & Jurisdiction SNOHOMISH COUNTY PLANNING & DEVELOPMENT SERVICES



**\*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\***



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3626 - 156th St. S.W. • Lynnwood, Washington 98087-5021 • (425) 743-4605 Fax (425) 742-4562

August 24, 2006

Mr. Souheil Nasr  
City of Everett  
Department of Public Works  
3200 Cedar Street  
Everett, WA 98201

RE: Water System Plan Consistency Statement

Dear Mr. Nasr:

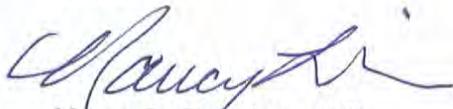
Thank you for the opportunity to review the Draft Planning Data Memorandum for the City of Everett's Comprehensive Water Plan (May, 2006). Alderwood Water and Wastewater District's (District) review was limited to the sections or pages identified in the attached Checklist. Our comments include:

- Table 1-9: A tap for Alderwood's Pump Station 3 (the Clearview tap) should be added to the No. 5 line.
- Section 2.2.3 and elsewhere in document: Projects or customers that are interested in using the Clearview pipeline and reservoir will need to negotiate an agreement with the Clearview Water Supply Agency which owns these facilities.

With these changes, the District concurs that the plan is consistent with the District's plans, as required by the Municipal Water Law. Attached is the District's signed consistency statement.

The District plans to complete a more detailed review of the City's Draft Comprehensive Water Plan when it is available. We look forward to working with the City in this effort.

Sincerely,



Nancy L. Davidson, P.E.  
District Engineer

Attachment

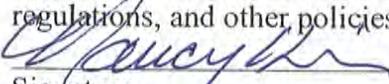
**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

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Water System Name: City of Everett PWS ID: 24050L  
 Planning Document Title: Draft Planning Data Memorandum Date: May 2006  
 Local Planning Jurisdiction: Alderwood Water and Wastewater District

Consistency Statement (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)	Section(s) or Page(s) in Planning Document (completed by utility)	Yes - No - Not Applicable
The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i>	* Figure 1-1 service area map. * Figure 2-1 zoning map. * Figure 2-2 land use map. * Section 2.4.1 City of Everett Comprehensive Plan. * Section 2.4.2 Snohomish County Comprehensive Plan.	Yes
<b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.	* Section 3.2.6 Demand Projection Methodology for Potable Water Use. * Section 3.2.7 Demand Forecast Results for Potable Water Use. * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12. * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.	Yes
<b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.	* Pg 3-14 regarding Tulalip Tribes.	Yes
<b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i>	* Section 2.1.1 City of Everett Municipal Code.	Yes
<b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.	n/a	n/a

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

  
 Signature \_\_\_\_\_ Date 8/24/06  
 Printed Name, Title, & Jurisdiction Nancy Davidson, District Engineer, Alderwood Water + Wastewater District

*Please see attached comment letter for additions and clarifications.*  
 \*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\*

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett  
 Planning Document Title: Draft Planning Data Memorandum  
 Local Planning Jurisdiction: City of Arlington, Public Works

PWS ID: 240501  
 Date: May 2006

Consistency Statement (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)	Section(s) or Page(s) in Planning Document (completed by utility)	Yes – No – Not Applicable
The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i>	* Figure 1-1 service area map. * Figure 2-1 zoning map. * Figure 2-2 land use map. * Section 2.4.1 City of Everett Comprehensive Plan. * Section 2.4.2 Snohomish County Comprehensive Plan.	Yes
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p> <p><i>Comments already provided on growth projection differences.</i></p>	* Section 3.2.6 Demand Projection Methodology for Potable Water Use. * Section 3.2.7 Demand Forecast Results for Potable Water Use. * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12. * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.	Yes
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	* Pg 3-14 regarding Tulalip Tribes.	Yes
<p><b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i></p>	* Section 2.1.1 City of Everett Municipal Code.	Yes
<p><b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.</p>	n/a	n/a

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

*Paul Richard*  
 Signature  
Paul Richard, City of Arlington  
 Printed Name, Title, & Jurisdiction

9-1-06  
 Date

---

**From:** Paul Richart [mailto:prichart@ci.arlington.wa.us]  
**Sent:** Friday, August 25, 2006 4:30 PM  
**To:** Souheil Nasr  
**Cc:** Donald Smith; Mike Wolanek; Len Olive  
**Subject:** Planning Data Memorandum & consistency statement

Mr. Nasr

Thank you for the opportunity to review the comprehensive water plan update for the City of Everett. We look forward to an ever improving relationship with other water purveyors on a regional basis. As an indirect consumer of Everett water through our connection to the Snohomish County P.U.D. we are very interested in your water plans for the future. We applaud your efforts to think as far out as 100 years rather than the traditional, mandated 20 years. Your plan looks very well written. During the development of our Water Comp Plan, we have also started creating long range projects (although just at the 50 year level). Our water supply strategy anticipates an increased future supply from the PUD who, in turn, must rely on your system.

The data you had available during the planning for your comp plan may not have included some of the late-breaking developments in the finalization of the Snohomish County and City of Arlington general Comprehensive Plans. To support the Transfer of Development Rights program to protect the Stillaguamish valley, Arlington's growth projects were increased from the originally projected 20,700 in 2025 to a new target of 30,500 in 2025. Based on the annexation requests and the extreme level of interest, we are anticipating that much of this growth will actually occur during the first 10 years of that planning period. Based on these types of growth projections, we made our own projections for the future. These figures are significantly higher than the projects made in Table 3-11 & Table 3-12 in your May draft. We have provided these figures and hope they will prove useful in finalization of your comprehensive plan. Below is a table prepared by Mike Wolanek, Water Quality Specialist with the City of Arlington comparing the projections from your draft and our comp plan.

**Comparison of Arlington and Everett Comp Plan Demand Forecast Data**  
(Assumes for entire system and without conservation)

Year	Average Day Demand		Peak Day Demand	
	Arlington	Everett	Arlington	Everett
2006	1.7	2.1	4.3	4.1
*2011	2.2	2.3	5.5	4.6
2025	3.5	2.9	8.7	5.8
2050	5.5	4.1	13.7	8.1

\* Arlington data for 2010

11/6/2006

Page 2 of 2

Unfortunately, neither you or Jenifer were available today to discuss the "consistency statement" mentioned in your letter. The copy of your plan was made in house and my copy does not have the statement for signature. If you can e-mail a copy, we can get the statement signed and returned to you almost immediately.

Paul A. Richart, PE  
City Engineer, Arlington  
(360) 403-3512, prichart@ci.arlington.wa.us

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett  
 Planning Document Title: Draft Planning Data Memorandum  
 Local Planning Jurisdiction: City of Edmonds, Public Works

PWS ID: 24050L  
 Date: May 2006

Consistency Statement (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)	Section(s) or Page(s) in Planning Document (completed by utility)	Yes – No – Not Applicable
The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i>	* <i>Figure 1-1 service area map.</i> * <i>Figure 2-1 zoning map.</i> * <i>Figure 2-2 land use map.</i> * <i>Section 2.4.1 City of Everett Comprehensive Plan.</i> * <i>Section 2.4.2 Snohomish County Comprehensive Plan.</i>	Yes
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<b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.	* <i>Pg 3-14 regarding Tulalip Tribes.</i>	n/a
<b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i>	* <i>Section 2.1.1 City of Everett Municipal Code.</i>	Yes
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I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

Noel F. Miller  
 Signature  
 Noel F. Miller, P.E., Public Works Director City of Edmonds  
 Printed Name, Title, & Jurisdiction

10-2-06  
 Date

**\*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\***

RECEIVED  
SEP 7 2006  
OPERATIONS &  
MAINTENANCE



24602 Old Owen Road - P.O. Box 158, Monroe, WA. 98272-0158 - Phone: (360) 794-6900 - Fax: (360) 805-0616

August 21, 2006

City of Everett  
Department of Public Works  
3200 Cedar Street  
Everett, WA 98201

Attn: Souheil Nasr, Principal Engineer

RE: Comprehensive Water Plan DRAFT Planning Data Memorandum – May 2006

Dear Mr. Nasr,

Thank you for the opportunity to review the City's Comprehensive Draft Planning Data Memorandum. We have reviewed the Memorandum and provide the following comments for consideration.

**"1. System Authority, History, and Existing System Description  
1.7.7. Interties and Wholesale Customer Taps and Meters"**

Page 1-49

**"Table 1-9: City of Everett Whole Customer Taps and Meters"**

- Table 1-9 notes that Highland WD has two points of connection. The District, including Friar Creek, has four connections to the Everett system, two primary, one secondary, and one emergency.
  - The District requests its other two connections be added to Table 1-9. The following is provided for your use:
    - District – Primary - Woods Lake & Pipeline Road
    - District – Secondary - 10400 Bollenbaugh Hill
    - District (Friar Creek) - Primary - Old Pipeline at approximately 24000 block
    - District (Friar Creek) – Emergency - Old Pipeline Rd at approximately 23800 block

**"3. Planning Data and Demand  
3.2.2 Sales of Potable Water"**

Page 3-8

**"Table 3-5: Wholesale Water Connections and Sales"**

- Table 3-5 notes that Highland WD has three points of connection. As discussed above, the District has four connections to the Everett system, two primary, one secondary, and one emergency.
  - The District requests the "2005 Points of Connection to the Everett System" be updated for a total of four.
- Additionally, the "Sales (million gallons)" that is shown in Table 3-5 appears to be inconsistent with the District's records. The following purchase data (shown in million gallons) is provided for your use in updating the table:
  - 2000 – 85.26
  - 2001 – 84.77
  - 2002 – 89.79
  - 2004 – 86.80
  - 2005 – 86.75

**“5. Conservation Program  
5.2.3 Final Program”**

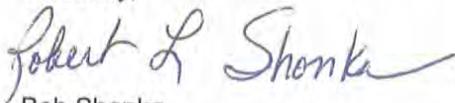
Page 5-11

- We request a copy of the City's conservation program for the next planning period. As an Everett wholesale water purveyor, it would be beneficial to understand the City's program and to have an opportunity to incorporate this information into the District's new Comprehensive Water Plan. The District is currently drafting its new Comprehensive Water Plan that is expected to be out for agency review later this year.

Lastly, regarding your request for signature on the Consistency Statement that is required by the Municipal Water Law; the District is not a local land use planning jurisdiction and therefore is not required to sign a Consistency Statement. The Statement is intended to ensure that the City of Everett's Plan is consistent with all local land use planning agencies comprehensive plans and development regulations.

Thank you again for the opportunity to review the City's draft Plan. Should you have any questions, please feel free to contact me at (360) 794-6900. We look forward to your response.

Sincerely,



Bob Shonka  
District Manager

cc: Lara Kammereck, Cynthia Lamothe – Roth Hill Engineering  
File

PRHC:prhc



**PUBLIC WORKS DEPARTMENT**

August 8, 2006

Souheil Nasr  
City of Everett  
Department of Public Works  
3200 Cedar Street  
Everett, WA 98201

RECEIVED

AUG 10 2006

OPERATIONS &  
MAINTENANCE

RE: Consistency Statement – Everett Comprehensive Water Plan

Dear Mr. Nasr:

As requested the City of Lynnwood Public Works Department and Community Development Department have reviewed your Draft City of Everett Comprehensive Water Plan. The City of Lynnwood found your draft plan to be consistent with the November 2005 Lynnwood Water System Plan and other City planning documents except as noted below:

Section 3.2.7 Table 3-11 of the Everett Plan indicates that the 2025 demand for Lynnwood will be 4.7 MGD. The Lynnwood Plan Table 2-16 indicates a 2023 demand of 5.27 MGD. The numbers in the Draft Everett Plan need to be increased to indicate a slightly higher demand by the City of Lynnwood.

A Consistency Statement, signed by the Lynnwood Public Works Director, indicating the one discrepancy is attached for your use and files. If you have any questions or need further information from the City of Lynnwood please call John Ewell, Project Manager at (425) 670-6276.

Sincerely,

CITY OF LYNNWOOD

John C. Ewell III, P.E.  
Project Manager  
Public Works Department

JCE

Enclosure

cc: William Franz, City of Lynnwood

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett

PWS ID: 24050L

Planning Document Title: Draft Planning Data Memorandum

Date: May 2006

Local Planning Jurisdiction: City of Lynnwood

<p align="center"><b>Consistency Statement</b> (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)</p>	<p align="center"><b>Section(s) or Page(s) in Planning Document (completed by utility)</b></p>	<p align="center"><b>Yes – No – Not Applicable</b></p>
<p>The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i></p>	<p>* Figure 1-1 service area map. * Figure 2-1 zoning map. * Figure 2-2 land use map. * Section 2.4.1 City of Everett Comprehensive Plan. * Section 2.4.2 Snohomish County Comprehensive Plan.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p> <p><i>THE DRAFT EVERETT PLAN, TABLE 3-11 SHOWS A 2025 DEMAND OF 4.7 MGD. THE NOV. 2005 LYNNWOOD WATER SYSTEM PLAN, TABLE 2-16 SHOWS A 2023 DEMAND OF 5.27 MGD.</i></p>	<p>* Section 3.2.6 Demand Projection Methodology for Potable Water Use. * Section 3.2.7 Demand Forecast Results for Potable Water Use. * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12. * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.</p>	<p align="center"><del>Yes</del> <b>NO</b></p>
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	<p>* Pg 3-14 regarding Tulalip Tribes.</p>	<p align="center">Yes</p>
<p><b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i></p>	<p>* Section 2.1.1 City of Everett Municipal Code.</p>	<p align="center">Yes</p>
<p><b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.</p>	<p align="center">n/a</p>	<p align="center">n/a</p>

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

William A. Franz  
 Signature  
 William A. Franz, Public Works Director, City  
 Printed Name, Title, & Jurisdiction of Lynnwood

5/18/06  
 Date

**\*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\***

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

RECEIVED

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett PWS ID: 24050L  
 Planning Document Title: Draft Planning Data Memorandum Date: May 2006  
 Local Planning Jurisdiction: City of Mill Creek

<p align="center"><b>Consistency Statement</b>                      (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)</p>	<p align="center"><b>Section(s) or Page(s) in Planning Document (completed by utility)</b></p>	<p align="center"><b>Yes – No – Not Applicable</b></p>
<p>The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i></p>	<p>* Figure 1-1 service area map.                      * Figure 2-1 zoning map.                      * Figure 2-2 land use map.                      * Section 2.4.1 City of Everett Comprehensive Plan.                      * Section 2.4.2 Snohomish County Comprehensive Plan.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p>	<p>* Section 3.2.6 Demand Projection Methodology for Potable Water Use.                      * Section 3.2.7 Demand Forecast Results for Potable Water Use.                      * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12.                      * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	<p>* Pg 3-14 regarding Tulalip Tribes.</p>	<p align="center">Yes</p>
<p><b>For city-owned systems only:</b> All policies regarding water service outside the corporate boundaries are included in this WSP. These policies are consistent with the adopted <i>comprehensive plan and development regulations.</i></p>	<p>* Section 2.1.1 City of Everett Municipal Code.</p>	<p align="center">Yes</p>
<p><b>Where the local planning agency is unable to sign a Consistency Statement:</b> Provide documentation of efforts to coordinate with local agencies with a 60-day timeline for local agency to respond. Include: name of contact, date, type of effort attempted, and response from local agency.</p>	<p align="center">n/a</p>	<p align="center">n/a</p>

I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies.

Signature: Scott Smith  
 Printed Name, Title, & Jurisdiction: Scott Smith, Mill Creek Public Works Director

Date: 6/29/06

**\*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\***



P.O. Box 260  
7824 Mukilteo Speedway  
Mukilteo, WA 98275-0260  
(425) 355-3355  
Fax (425) 348-0645  
info@mukilteowater.org

August 31, 2006

RECEIVED

2006

OPERATIONS &  
MAINTENANCE

Mr. Souheil Nasr  
City of Everett  
Department of Public Works  
3200 Cedar Street  
Everett, WA 98201

RE: City of Everett Comprehensive Water Plan  
Draft Planning Data Memorandum May 2006

Dear Mr. Nasr:

Thank you for providing the Mukilteo Water District the opportunity to comment on the Draft Planning Data Memorandum that contained draft information of Chapters 1, 2, 3, 5, and 6 of your Water System Plan. In *Section 2.3.1.*, the City indicates they utilized the Mukilteo Water District's 1997 Comprehensive Water System Plan to generate data related to the Mukilteo Water District. The District's current Water System Plan was adopted and approved in 2003.

I noticed in *Table 3-6, Peaking Factors for Wholesale Customers*, a peaking factor of 2.20 was utilized for the Mukilteo Water District. In the District's 2003 Comprehensive Plan from 1997-2001 the Peaking Factor average was 1.85.

There may be other information you are utilizing from our 1997 Plan that has changed. I would encourage you to review our 2003 Plan to receive the most current data for the City of Everett's 2006 Comprehensive Water System Update.

I am looking forward to reviewing the City's Draft Water Comprehensive Plan; in particular, the Sections dealing with capital improvements, conservation, finance, water quality and the final conservation plan.

Sincerely,

Daniel E. Hammer, General Manager  
Mukilteo Water District  
DEH:mlm

cc: Jim Miller, City of Everett



*Providing quality water, power and service at a competitive price that our customers value*

COPY

October 27, 2006

Souheil Nasr, P.E.  
City of Everett  
Public Works Department  
3200 Cedar Street  
Everett, WA 98201

RE: City of Everett – 2006 Water System Plan – Consistency Statement

Dear Souheil:

Enclosed is the signed consistency statement for your 2006 Comprehensive Water System plan. Please see the attached comments and revised estimated ADD estimates for the PUD's systems and its wholesale customers. I apologize for the delay in the response; however, as we discussed on the telephone several times over the last couple of months we were waiting on our consultant to finish the work on our hydraulic model and the associated demand projections for our system.

Section 1.7.7 Table 1-9: (I've attempted to match up your names and addresses with our known taps – and our names. It would be helpful if both the City and the PUD would use the same facility names for engineering, discussions, and billing.)

- Station 264+90 – Snohomish County PUD #1, ~~Lake Roesiger~~ Butterfield System
  - Station 394+35 - Snohomish County PUD #1, ~~East Machias~~ Dubuque 157<sup>th</sup> Ave Master Meter, 2618 157<sup>th</sup> Ave SE
  - Station 415+75 – Not sure what tap this is supposed to be. The address would put it close to 5 line – old abandoned Dubuque system tap.
  - Tap for Machias Pump Station not shown – Address: 13001 S. Machias Rd, Everett, WA
  - Station 500+00 - Snohomish County PUD #1, Williams Road Master Meter
  - Station 575+11 - Snohomish County PUD #1, Glenwood PS
  - Station 615+04 - Snohomish County PUD #1, East Hewitt PS
  - Station 626+82 – City of Marysville / Snohomish County PUD #1, JOA Tap
  - Station 664+20 - Snohomish County PUD #1, Cavaleros Master Meter
- 5 Line Taps:
- ~~Station 258+50 – Joywood Water~~ – tap abandoned and connected to PUD Lake Stevens Water System.
  - Station 379+03 - Snohomish County PUD #1, Dubuque System – KlaHaYa Tap

- Station 434+70 - Snohomish County PUD #1, Dubuque – tap abandoned – old Dubuque system 5 line tap
- Station 462+73 - Snohomish County PUD #1, Dubuque System DH#1 Master Meter
- Station 495+60 - Snohomish County PUD #1, Dubuque System DH#2 Master Meter

Below are the anticipated average day demands for the District's water systems served by the City of Everett to the best of our current knowledge. I have discussed the wholesale demands that we provide to the City of Granite Falls and Arlington with those agencies. The Sultan – Jackson numbers do not include the City's potential demand – it is only an estimate of what we feel the District may use in the future.

***Snohomish County PUD #1 - Estimated Future Average Day Demands (mgd) for City of Everett Supplied Systems***

	Model ADD		FAZ Projection		
	2005	2011	2025	2028	2050
<b><i>PUD Retail System Demands:</i></b>					
PUD Integrated System	3.47	5.41	7.11	7.83	11.61
Dubuque (includes KlaHaYa)	0.38	0.49	0.58	0.60	0.80
Lake Roesiger	0.07	0.11	0.15	0.16	0.24
Storm Lake Ridge	0.03	0.05	0.06	0.06	0.09
Sultan-Jackson	0.00	0.16	0.20	0.22	0.41
Total Other Systems	0.48	0.82	0.99	1.04	1.54
<b>Total PUD Retail:</b>	<b>3.95</b>	<b>6.23</b>	<b>8.10</b>	<b>8.87</b>	<b>13.15</b>
<b><i>PUD Wholesale System Demands:</i></b>					
Arlington Wholesale	1.40	1.40	4.30	4.30	4.30
Granite Falls Wholesale	0.30	0.36	0.64	0.68	1.07
<b>Total PUD Wholesale:</b>	<b>1.70</b>	<b>1.76</b>	<b>4.94</b>	<b>4.98</b>	<b>5.37</b>
<b>Total PUD Demand Requirements:</b>	<b>5.65</b>	<b>7.99</b>	<b>13.04</b>	<b>13.86</b>	<b>18.52</b>

Notes:

2005 Actual ADD - 4.17 MGD with Arlington using only .46 MGD of 1.7 MGD reserved for their capacity and the City of Granite Falls using only 0.21 MGD compared to their claimed need of 0.3 mgd

If you have any questions, please feel free to call me at (425) 783-8609.

**Attachment 5: Water System Plan and Small Water System Management Program Consistency Statement Checklist**

This checklist is intended to ensure consistency of water system planning documents with adopted local comprehensive plans and development regulations. Each local planning jurisdiction in which the water utility provides service will review the relevant water system planning information and provide a signed consistency statement to the utility for submittal to the Department of Health. If the local planning agency will not respond, the highest authority within the utility (chair of governing body, executive director of private companies, etc.) must sign to verify consistency of the plan information.

Water System Name: City of Everett  
 Planning Document Title: Draft Planning Data Memorandum  
 Local Planning Jurisdiction: Snohomish County PUD

PWS ID: 24050L  
 Date: May 2006

<p align="center"><b>Consistency Statement</b>                      (Reference Municipal Water Law Section 5 and 8, amendment to chapter 90.03.386 and chapter 43.20 RCW)</p>	<p align="center"><b>Section(s) or Page(s) in Planning Document (completed by utility)</b></p>	<p align="center"><b>Yes – No -- Not Applicable</b></p>
<p>The retail service area, and any other areas not served by a separate public water system, and land use identified in the WSP is consistent with the <i>adopted comprehensive plan and adopted development regulations and policies.</i></p>	<p>* Figure 1-1 service area map.                      * Figure 2-1 zoning map.                      * Figure 2-2 land use map.                      * Section 2.4.1 City of Everett Comprehensive Plan.                      * Section 2.4.2 Snohomish County Comprehensive Plan.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> The growth projection used to forecast water demand for the retail service area is consistent with the adopted city/county's population growth projections (and commercial development projection if applicable). If a different growth projection was used, the alternative growth projection and methodology proposed is acceptable based on explanation given.</p>	<p>* Section 3.2.6 Demand Projection Methodology for Potable Water Use.                      * Section 3.2.7 Demand Forecast Results for Potable Water Use.                      * Section 2.4.1 City of Everett Comprehensive Plan; pg 2-12.                      * Section 2.4.2 Snohomish County Comprehensive Plan; pg 2-14.</p>	<p align="center">Yes</p>
<p><b>For WSPs only:</b> New potential large water users (that may have a significant impact on the water system) that the city/county is aware of have been identified in the WSP.</p>	<p>* Pg 3-14 regarding Tulalip Tribes.</p>	<p align="center">Yes</p>
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I certify that the above statements are true to the best of my knowledge and that these statements support the conclusion that the subject-planning document is consistent with adopted comprehensive plans, development regulations, and other policies. - SEE ATTACHED COMMENT LETTER

BEANT E. WOOD SR. MANAGER - OPERATIONS, MAINT. AND ENR. 8/24/06  
 Signature Date  
BEANT E. WOOD, SNOHOMISH COUNTY PUD WATER RESOURCES  
 Printed Name, Title, & Jurisdiction

**\*\*For any issues of inconsistency, please provide comments on how they can be resolved. \*\***



**SILVER LAKE WATER DISTRICT**  
WATER & SEWER SERVICE

November 13, 2006

Souheil Nasr, P.E.  
City of Everett Public Works  
3200 Cedar Street  
Everett, WA 98201

Subject: Silver Lake Water District Review Comments on Everett Comprehensive water Plan

Dear Souheil,

The District has reviewed the draft Everett Comprehensive Water Plan Technical Memorandum prepared by HDR and submitted by Everett for our comments. Please find our review in the attached documents.

As part of the Reservoir No. 4 and Booster Station Pre-design Report, our consultant, Gray & Osborne has updated the water demand projections for SLWD through buildout. We have used this report to update and replace certain data found in your Table A Demand projections. Please see attached document A. Also please find Rick Gilmore's comments on your Water Plan attached as document B as well as his letter to you dated January 12, 2006. Once you accept or respond to this information we can provide you with a Consistency Statement.

Sincerely,

*P. M. Curran*

Patrick Curran  
General Manager

Attachments (3)

Transmitted Electronically



January 12, 2006

Souheil Nasr, P.E.  
 City of Everett Public Works  
 3200 Cedar Street  
 Everett, WA 98201

Subject: Silver Lake Water District Review Comments on Everett Comprehensive water Plan Demographic Projection Technical Memorandum

Dear Souheil,

The District has reviewed the Everett Comprehensive Water Plan Technical Memorandum prepared by HDR and submitted by Everett for our comments. Based on the review, the methodology of the population estimates is consistent with the methodology used in the District's Water System Plan completed in 2003. HDR uses Puget Sound Regional Council (PSRC) 2003 TAZ information, which is the same data that was applied in the District's Water System Plan.

As part of the Reservoir No. 4 and Booster Station Pre-design Report, our consultant, Gray & Osborne has updated the population projections that were presented in the District's Water System Plan. A comparison of these updated population projections to the HDR numbers is presented in Table 1.

**TABLE 1**

**Comparison of Population Projections**

Year	2005	2006	2011	2025	2050
HDR Technical Memorandum	37,502	38,453	43,200	54,894	74,193
Reservoir No. 4 Pre-design Report	42,473	44,856	53,600	64,217	73,047

Our current population growth is occurring faster than the projections of our comprehensive plan. It is estimated in the Reservoir No. 4 Pre-design Report that the District will achieve build out prior to 2050.

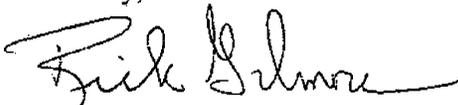
The faster population growth we are experiencing will explain a portion of the difference in the numbers; but, after analyzing Figure A of the HDR Technical Memorandum, it appears that HDR did not include the 180th Street Area Annexation by the District. The annexation roughly

extended the District Boundary east of 35<sup>th</sup> Street to 180<sup>th</sup> St. SE and slightly east of Sunset Road. This may account for the difference in population.

It appears that Figure A shows area of annexations planned by Everett that extend south of 132nd Street and into territory already within the City of Mill Creek city limits.

Thank you for the opportunity to provide review comments to your draft plan development. We will be able to provide additional comments when the full draft plan is compiled as the interrelation of the data development will be shown and any differences to our plan efforts will be easier to recognize.

Sincerely,

A handwritten signature in cursive script, appearing to read "Rick Gilmore".

Richard Q. Gilmore, P.E.  
District Engineer

CC: Eric Delfel, Gray and Osborne

Transmitted Electronically

May 2006 Draft Planning Data Memorandum Comments

Page   Item /Discussion

---

- 1-1    Everett is identified as water purveyor in par. 1.1 and this should be expanded to read as the water purveyor or whole sale provider.
- 1-8    Paragraph 1.6.2 second sub paragraph shows 8100 gpm as 12.7 MGD this should be 11.7 MGD, the extension for the four pumps is numerically correct combined with the seven Pump Station No.2 pumps to 175 MGD. Does the TDH exceed the 94 -95 foot value with all 11 pumps on such that the pump performance is less than the 175 MGD listed?
- 1-27   Figure 1-8 shows a singular wholesale connection point from Everett System to our system . Location shown approximates MM#1 location but facilities at MM#3 and new vaults for MM#2 are not shown on this figure or figure 1-9 on page 1-28. These points of receiving flows exist and will be integral to our purchasing Everett water as critical components of our system and comprehensive planning.

MM#3 is currently in bypass mode due to your need to support the recently annexed Murphy's Corner component of the Everett System. This meter and the isolation valves will be returned to normal operation when the City of Everett addresses the CIP improvements to provide fire flow to this area. This should be included in your planning process for this update of your comprehensive plan.

MM#2 is prepared to be relocated to vaults installed by Silver Lake near the intersection of 132<sup>nd</sup> St. SE and the Bothell Everett Highway at the southern end of the Murphy's Corner annexed area. This master meter relocation necessitated by the City of Everett annexation is not operational as Everett's ability to provide flow at this point will not be possible until the CIP addresses flow improvements to this area of your system.

Silver Lake Water District is currently utilizing MM#1 and our Clearview supply source to provide the flows necessary to operate our system and provide for our customers. When our system approaches buildout density the full utilization of MM#2 and MM#3 will be integral to our ability to meet flow and water quality requirements. These facilities should be acknowledged in your planning documents.

- 1-49   Table 1-9, expand the wholesale customer taps and meters to identify MM#1 a 10-inch meter located at SW corner of 21<sup>st</sup> Avenue SE and 100<sup>th</sup> St.SE; MM#2 (currently not in service) a 10-inch meter located at 132nd St. SE and Bothell

Everett Highway (near entry to Walgreen's); MM#3 (currently bypassed) a 6-inch meter located at 116<sup>th</sup> St. SE and Silver Way.

The paragraph at the end of this table should be redrafted to reflect the wholesale customer Alderwood Water and Wastewater District and should be included as a tap point in Table 1-9. Consider as possible text revision the following:

“Everett grants new taps, relocates existing taps and shuts off taps, as required, to provide the most efficient distribution of water to wholesale customers. A recent example of this is the new tap to Alderwood Water and Wastewater District from Transmission Line No. 5 that provides flow to the Clearview Facilities which Alderwood Water and Wastewater District administers to reconvey water to it's, Silver Lake Water District 's and Cross Valley Water District's distribution systems. This Clearview Facilities tap is located several miles east of Reservoir 3.”

- 3-9 In Table 3-6 the MDD Peaking Factor for Silver Lake water District is listed as 1.78. This number is not correct. Your reference to identify the source cites a numeric number shown in our Comprehensive Plan report as the average of several years of MDD peaking factor values. Our report did not use this averaged value and instead provides that our expectations are for the value to be 2.0 and utilized 2.0 for our planning purposes. We did so because we were experiencing rapid growth of our system from 1998 to 2002 and as such were maximizing the utilization of our system storage and distribution hydraulic gradient to limit the peaking day consumption which includes used storage and the source peak from Everett. We were concurrently constructing several CIP projects to improve our system capability of distribution. As we were aware that these system CIP improvements would allow the District to improve our ability to meet system demands which we estimated to have a normal peaking rate of 2.0 we used this value in our planning. We have over the last three years of data evaluated our MDD peaking factor ratio at 1.99. The value for the for the SLWD in your Table 3-6 should be 2.0 and the footnote citation (h) should be deleted.

Table A  
Demand Projections for use in Source and Storage Analysis (mgd)

Silver Lake W.D. ADD ADD ADD MDD MDD MDD	Pressure Zone	(A)			(B)	
		2005	2011	2025	Buildout	Buildout - Less Everett Annex.
	Casino	0.42	0.51	0.61	0.70	0.45
	Clearview	3.83	4.58	5.54	6.33	4.06
	Total	4.25	5.09	6.15	7.03	4.51
	Casino	0.85	1.02	1.23	2.07	0.90
	Clearview	7.64	9.16	11.07	12.00	8.12
	Total	8.49	10.18	12.30	14.07	9.02

A. Demand assumes 5% reduction between 2005 and 2011 due to Conservation  
 B. Assumes Everett annexes 100% present SLWD area within Everett UGA

NOTE: Everett footnote 5 should read "with a maximum of 12 mgd through Clearview" and the mdg amount in footnote 6 should be 15.14



# City of Sultan

319 Main Street, Suite 215  
P.O. Box 1199, Sultan, WA 98294  
Phone (360) 793-2231 Fax (360) 793-3344  
e-mail cityhall@ci.sultan.wa.us

## FAX COVER SHEET

DATE: 10/27/06

TO: BRANT WOOD

FAX NO: 425-267-6202

FROM: JOE STACK

NO. OF PAGES: 2  
(Including Cover Sheet)

10/27/06 -  
SOUTHERN - FOR  
YOUR INFO RE:  
SULTAN'S DEMAND  
RESTRICTIONS.  
Joe  
BRANT

### MESSAGE:

BRANT - ATTACHED IS A PAGE FROM  
SULTAN'S WATER PLAN, ADDENDUM  
NO. 1  
PLEASE SHARE THIS W/ EVERETT  
AS WE HAVE NOT HEARD FROM  
THEM.

Joe Stack

The information contained in this facsimile is intended for the use of the addressee only. If you have received this facsimile in error, please notify the sender by telephone. This communication should not be copied or distributed and the original should be destroyed. Thank you.

**2.3 PROJECTED WATER DEMANDS**

(add the following)

The future demands on the Sultan water supply system as developed in Section 1.3.1 are replaced with a revised Table 2-9, which reflects the continued reliance on Lake 16 and the City of Sultan's water treatment plant as the primary water supply source, supplemented as needed by water drawn from the City of Everett Pipeline No. 5. Table 2-9 uses the recent water records summarized in Table 2-2 Extended and 2-3A, together with the peaking factors derived in the Tables 2-2 and 2-3 of the Water System Plan as adopted.

**Table 2-9  
Projected Future Water Demands**

Year	Population Served	GPD per Capita	Average Day MGD	Maximum Day MGD	Peak Hour MGD	Annual Acre-Feet
2005	4,225	130	0.544	1.22	2.2	609
2006	4,500	130	0.585	1.29	2.3	655
2007	4,800	130	0.624	1.37	2.5	699
2008	5,300	129	0.684	1.50	2.7	766
2009	5,900	129	0.761	1.60	2.9	852
2010	6,600	128	0.845	1.80	3.2	947
2011	7,300	128	0.934	2.00	3.5	1,046
2015	8,800	127	1.118	2.20	3.7	1,252
2020	11,000	126	1.386	2.80	4.8	1,553
2025	13,000	125	1.625	3.30	5.6	1,820
2050	22,000	125	2.750	5.50	9.3	3,080

The limiting factor for growth in the City of Sultan may be the availability of potable water, specifically water rights. The 2005 Water System Plan for Sultan states that the City has rights from Lake 16 for 1.36 MGD plus 2.56 MGD from the City of Everett for a total of 3.92 MGD.

Maximum Day Demand in 2025 is projected to be about 2.2 times the annual average day demand of 130 GPD per capita, or 286 GPD per capita. The DOH 'Design Manual' indicates a water utility should be able to supply the Maximum Day Demand from available water sources. The City therefore has water rights to serve about 13,700 people, or about 4,300 ERU.

Table 2-9 indicates that additional water rights may be needed by the City some time after 2025. Additional water rights are available from the City of Everett, so growth in the City of Sultan need not be constrained by the availability of potable water.

#### **4.1 CONSERVATION PROGRAM DEVELOPMENT & IMPLEMENTATION** (add the following Subsection)

##### **4.1.6 Water Reclamation Checklist**

An evaluation of water reclamation opportunities within the City of Sultan water system was conducted with the following findings:

- Only a few large water users exist within the existing system:
  - High School – irrigates with potable water
  - Romac Foundry – now uses their own recycled water
- The City is having a facilities plan prepared to upgrade and expand the wastewater treatment facility. The new wastewater treatment facilities may provide 'Class A'