

**SULTAN CITY COUNCIL
AGENDA ITEM COVER SHEET**

ITEM NO: Staff Report S-3
DATE: November 18, 2010
SUBJECT: Water Department Usage Report
CONTACT PERSON: Mick Matheson, P.E. Public Works Director



ISSUE:

Clarification of the question raised by Council regarding the amount of the city's total water that is supplied by the City of Everett system compared to Lake 16.

SUMMARY:

The question was raised by Council regarding the amount of the city's total water that is supplied by the City of Everett system compared to Lake 16.

The city relies primarily on Lake 16 for its water supply. Everett water is used during periods when Lake 16 experiences high levels of turbidity (typically after severe rainstorms) or emergencies.

Bill Ferry, the city's water treatment plant operator prepared a summary report comparing 2008 water usage to 2009. In 2008, Everett water was approximately 3% of total production (5 million gallons). In 2009, Everett water was approximately 5% of total production (7 million gallons).

This is the first report regarding city water usage. Monthly reports will be published from this point forward.

ATTACHMENTS:

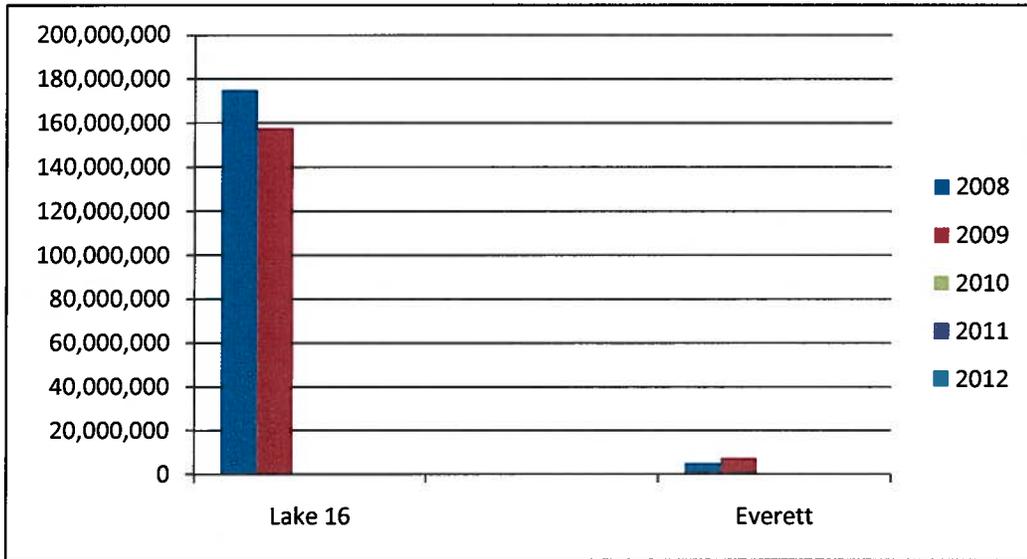
- Attachment A-1 Lake 16 vs. City of Everett Water Supply Comparison
- Attachment A-2 2010 Lake 16 Monthly Water Production
- Attachment A-3 City of Sultan Water Plan Production Past 3 Years
- Attachment A-4 Yearly Totals for Lake 16 Production

Lake 16 vs. City of Everett Water Supply Comparison

Yearly Totals for Lake 16 production/Everett

	2008	2009	2010	2011	2012
Lake 16	175,146,600	157,814,250			
Everett	5,045,260	7,270,560			
	3%	5%			

ALL NUMBERS ARE IN GALLONS



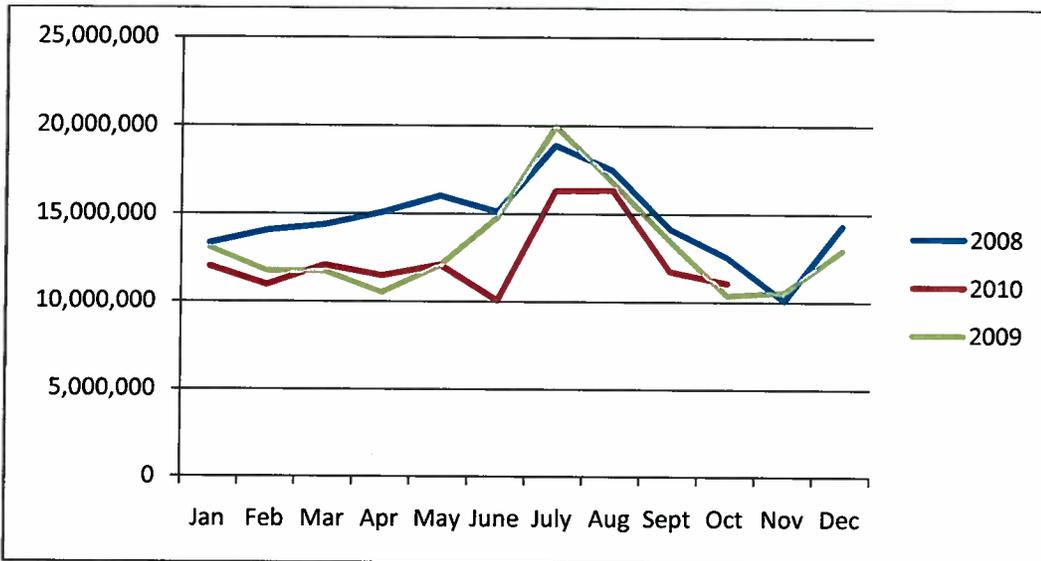
2010 Lake 16 Monthly Water Production												
MONTH	RUN TIME HRS	FLOW	FLUSHES	BACKWASH	FILTER TO WASTE	TOTAL TO TOWN	CHLORINE LBS	FILTER AID /LBS	COAGULANT LBS	CAUSTIC LBS	FLUORIDE LBS	
JAN	347.5	14,591,000	490,000	1,484,400	630,000	11,986,600	143	1.0	2,247	2,011	122.0	
FEB	315.0	13,234,000	441,000	1,295,700	556,500	10,940,800	127	0.8	1,638	1,985	110.5	
MAR	348.4	14,813,000	609,000	1,497,700	636,000	12,070,300	135.2	1.2	1,524	1,936	114.5	
APR	342.2	14,376,000	602,000	1,680,600	619,500	11,473,900	127	0.8	2,434	2,171	107.5	
MAY	359.7	15,106,000	840,000	1,545,900	640,000	12,080,100	150.2	1.4	2,524	2,336	136.0	
JUNE	318.7	13,406,000	1,396,500	1,355,700	598,500	10,055,300	128.9	2.7	2,615	2,145	117.5	
JULY	479.2	20,126,000	840,000	1,839,600	1,155,000	16,291,400	178	1.6	1,068	2,916	174.0	
AUG	434.1	19,789,000	828,000	1,865,400	762,750	16,332,850	165	2.4	1,129	2,963	161.8	
SEPT	351.2	14,705,000	819,000	1,518,800	651,000	11,716,200	167.9	1.7	1,937.10	2,314	105.9	
OCT	337.6	14,187,000	791,000	1,664,500	682,500	11,049,000	139	1.0	1,597	2,120	101.0	
NOV												
DEC												
TOTALS		154,333,000	7,656,500	15,748,300	6,931,750	123,996,450	1,460	14.6	18,713	22,897	1250.7	
FLOW/FLUSHES/BACKWASH/FILTER TO WASTE/ TOTAL TO TOWN NUMBERS ARE ALL IN GALLONS												

City of Sultan Water Plant Production Past 3 Years					
	2006	2007	2008	2,009	2010
JAN	13,423,000	14,666,000	13,292,000	13,042,000	11,986,600
FEB	12,688,000	12,611,000	14,018,500	11,726,500	10,940,800
MARCH	13,642,000	14,102,000	14,354,500	11,707,750	12,070,300
APRIL	14,041,000	13,632,000	15,059,750	10,509,450	11,473,900
MAY	13,375,000	14,885,000	15,989,000	12,026,850	12,080,100
JUNE	16,326,000	14,822,000	15,090,000	14,787,200	10,055,300
JUL	23,012,000	19,842,000	18,865,000	19,943,900	16,291,400
AUG	22,191,000	17,886,000	17,473,250	16,797,000	16,332,850
SEPT	16,157,000	15,398,000	14,130,000	13,457,500	11,716,200
OCT	14,546,000	14,553,000	12,511,300	10,360,700	11,049,000
NOV	13,354,000	12,264,000	10,049,300	10,534,300	0
DEC	12,825,000	13,399,000	14,314,000	12,921,100	0
AVG	15,465,000	14,838,333	14,595,550	13,151,188	10,333,038
TOTAL	185,580,000	178,060,000	175,146,600	157,814,250	123,996,450

YEARLY TOTALS FOR LAKE 16 PRODUCTION

	2008	2009	2010
Jan	13,292,000	13,042,000	11,986,600
Feb	14,018,500	11,726,500	10,940,800
Mar	14,354,500	11,707,750	12,070,300
Apr	15,059,750	10,509,450	11,473,900
May	15,989,000	12,026,850	12,080,100
June	15,090,000	14,787,200	10,055,300
July	18,865,000	19,943,900	16,291,400
Aug	17,473,250	16,797,000	16,332,850
Sept	14,130,000	13,457,500	11,716,200
Oct	12,511,300	10,360,700	11,049,000
Nov	10,049,300	10,534,300	
Dec	14,314,000	12,921,100	
TOTAL	175,146,600	157,814,250	123,996,450
AVG	14,595,550	13,151,188	12,399,645

ALL NUMBERS ARE IN GALLONS



Note: High water use January to June 2008 is the result of Romac Industries operating 3 shifts.