

22500 Salamo Road West Linn, Oregon 97068 http://westlinnoregon.gov

UTILITY ADVISORY BOARD MEETING Summary Notes

Tuesday, August 11, 2015

6:00 p.m. – Meeting – Bolton Conference Room

1. Call to Order and Introductions 6:01 pm

Members Present: Ray Kindley (by phone), Bill Frazier, Alice Richmond, Jon Miller, Frik Miller

Staff/City Representatives Present: Richard Seals, Lance Calvert, Brenda Perry

2. Approval of June 2015 Summary Notes

Motion to approve made by Erik Miller, seconded by Jon Miller. The notes were approved unanimously.

3. Discussion regarding letters submitted to Council

First letter discussed was regarding formation of UAB via the City Charter as an advisory board independent of the City Council. Group to date had not received feedback from Council. Brenda stated that she would follow up on this item at next work session. The group continued to discuss that language in the Charter is in conflict with amended ordinance passed in December of 2014.

4. Finance Update

Richard provided current rates and forecasting information to the group. The 20 year forecasting has been updated since Richard last met with group. The group discussed different rate increase scenarios over a 20 year span (5% & 18%). Revenue is currently up approximately \$4 million which creates a more favorable scenario for financial forecasting of the water fund if this trend continues. The fund balance is projected to grow more substantially based on the current fund

Meeting Notes:

The Council Chambers is equipped with an induction loop and a limited number of neck loops for the hearing impaired. Please let the City know if you require any special assistance under the Americans with Disabilities Act, please call City Hall 48 hours prior to the meeting date, 503-657-0331.

Please help us to accommodate citizens who are chemically sensitive to fragrances and other scented products. Thank you for not wearing perfume, aftershave, scented hand lotion, fragranced hair products, and/or similar products.

levels. An 18% spike is likely more than what is needed to replace water pipes and the Bolton Reservoir. Richard ran some alternate rate increase scenarios and 10% may accommodate the amount of future work but the fund balance at the end will be lower than it would be with an 18% increase. Ray inquired how these projections would be impacted if annual revenues did not stay consistent with current levels. Richard clarified that there is a 1% adjustment each year to stabilize the projections but these cannot definitively adjust for future changes in weather (e.g. two years of rainy summers). Also, Richard stated that wholesale water rates can be increased and could also impact long-term fund levels. Ray would like a regressive analysis of revenues over at least a five year period to determine "normal revenues under normal precipitation". Brenda brought up community survey results regarding possible rate increases. The group would like to review these results prior to making any definitive decision on rate increase recommendation.

5. Review of Charter requirements for Water Rates

The group discussed whether or not the intent of annual 5% utility rate increases is to have it compounded with each year. Some members of the board interpret the language of the annual increase (passed in 1999) to be 5% annual increase based on the 1999 rates. Richard provided clarification on this item, the City of West Linn has received a legal opinion on this matter. The legal opinion states that the 5% is based on a year-by-year basis not 1999 rates. These findings are based on the explanatory statement within the original ballot measure. The official legal findings for this item will be shared with the group for the September meeting.

6. Other Business

None

7. Adjournment

Jon Miller moved to adjourn at 7:00pm and Erik Miller seconded.

Meeting Notes:

The Council Chambers is equipped with an induction loop and a limited number of neck loops for the hearing impaired. Please let the City know if you require any special assistance under the Americans with Disabilities Act, please call City Hall 48 hours prior to the meeting date, 503-657-0331.

Please help us to accommodate citizens who are chemically sensitive to fragrances and other scented products. Thank you for not wearing perfume, aftershave, scented hand lotion, fragranced hair products, and/or similar products.

Date: Aug 11, 2015

	Name	Phone	Email
RACONET PROVINCE	Ray Kindley	503-655-1773	
here	Alice Richmond	503-723-0101	
wet	Bill Frazier	503-657-0739	billcfrazier@comcast.net
notaltendein	Ling Edward Keonjian	503-650-7387	Edward1717@aol.com
J. W.	Jon Miller	503-650-0121	Jon.miller19@comcast.net
notatente	not attendangmit Armstrong	503-539-4508	Amit.armstrong@gmail.com
Present	ر Erik Miller	503-880-9057	efletcherm@hotmail.com
	Jim Whynot - Water Supervisor	503-656-6081	jwhynot@westlinnoregon.gov
10%	Richard Seals - Finance Director	503-722-5505	rseals@westlinnoregon.gov
M	Lance Calvert - Public Works Director	503-722-5500	lcalvert@westlinnoregon.gov
E. J.	Brenda Perry - City Council Liaison		bperry@westlinnoregon.gov

City of West Linn Water Fund (amounts in thousands)

Water Fund

(amounts in thousands)

							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
		Δ.	CTILAL	c								DDO 15	CTED															
	FY08	FY09	FY10	5 FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	PROJE FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32		
Resources																												
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$5,294	\$2,584	\$1,230	\$1,383	\$1,563	\$1,905	\$2,138	\$2,176	\$2,318	\$2,515	\$2,771	\$3,089	\$3,174	\$3,302	\$3,558	\$3,886	\$4,292		
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,185	4,352	4,526	4,708	4,896	5,092	5,295	5,507	5,727	5,956	6,194	6,442	6,700	6,967	7,246	7,536	7,838		
Funds from rate increases Interest	129	148 85	145	129	145	158	174	180	203	211	220	229	238	247	257	267	278	289	301	313	325	338	352	366	381	396	5.00%	
Miscellaneous	25 35	57	61	99	- 114	106	99	97	99	- 101	103	105	107	109	- 111	113	- 115	- 117	- 119	- 121	123	125	- 128	- 131	134	137	2.00%	
Licenses and permits	-	-	_	-	_	-	_	_	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Debt proceeds Funding from LOT	-			-		- 1	5.429	236	1,700	1	-	-	-			-	-	-	-	-	-	-						
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	6,026	4,497	4,675	4,861	5,055	5,255	5,464	5,680	5,906	6,140	6,384	6,637	6,900	7,174	7,459	7,756	8,065	8,386		
Total Resources	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$12,131	\$9,791	\$7,260	\$6,091	\$6,438	\$6,818	\$7,369	\$7,819	\$8,081	\$8,458	\$8,899	\$9,408	\$9,990	\$10,347	\$10,761	\$11,314	\$11,951	\$12,678		
Requirements																												
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00%	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	3.00%	
Debt service - existing Debt service - new issues	151	153	153	149	150	150	150	154	153	152 150	152 150	152 150	152 150	paid off 150	paid off 150	paid off 150	paid off 150	paid off 150	paid off 150	paid off 150	paid off 150	Scheduled Scheduled	20-ye					
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00%	Totals
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012		Сар
Capital outlay Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%	Proje
Future water line replacements	The state of the s	-	-	-	-	-	636	751	900	925	800	475	575	592	610	628	850	876	902	929	957	1,250	1,288	1,327	1,367	1,408	3.00%	1
Bolton Reservoir replacement							-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00%	
Demolish Abandoned View							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	- 1	3.00%	
Reservoir Lining/Coating Pressure reducing valve										_	_		_	_	_	250	_	_	_		300	_			_	300	3.00%	
Reservoir seismic repairs							_		_	-	-		-	-		-	-		-	-	-	-	-		-		3.00%	
Tigard/LO interite							-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	3.00%	
System improv projects							-	509	150	150	150	150	150	200	206	212	218	225	232	239	246	253	261	269	277	285	3.00%	
Telemetry (SCADA) upgrade Sub-total - capital	126	358	390	62	19	599	733	2,265	25 3,264	26 3,523	2,238	80 805	29 857	30 928	31 956	32 1,234	33 1,216	34 1,253	35 1,291	36 1,330	37 1,670	100 1,737	40 1,727	41 1,779	42 1,832	43 2,186	3.00% 3.00%	3
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,030	4,708	4,875	4,913	5,231	5,643	5,763	5,943	6,128	6,319	6,816	7,045	7,203	7,428	7,659	8,198	0.0075	
Ending Fund Balance	275	264	204	072	202	207	204	202	205	077	200	400		400	400	400	400	540	<i>-</i> - - - - - - - - - -	F.F.4	500	F00	600	600	640	670		
Policy requirement (15%) Reserve for debt service (inc	. 275 . 151	264 151	284 151	273 151	282 151	297 151	294 150	323 154	365 153	377 150	389 150	402 150	150	428 150	468 150	483 150	499 150	516 150	533 150	551 150	569 150	588 150	608 150	628 150	649 150	670 150		
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	4,776	2,057	691	831	998	1,327	1,520	1,543	1,669	1,849	2,088	2,388	2,455	2,564	2,800	3,108	3,493	3,660		
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	5,294	2,584	1,230	1,383	1,583	1,905	2,138	2,176	2,318	2,515	2,771	3,089	3,174	NAME OF TAXABLE PARTY.	3,558	3,886	4,292	THE RESERVE OF THE PERSON NAMED IN		
Total Requirements	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$12,131	\$9,791	\$7,260	\$6,091	\$6,438	\$6,818	\$7,369	\$7,819	\$8,081	\$8,458	\$8,899	\$9,408	\$9,990	\$10,347	\$10,761	\$11,314	\$11,951	\$12,678		
Utility Rate Information:										i																		
% water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%			5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%			
Projected revenue variance	¢ 14	¢ 45	¢ 15	¢ 40	¢ 17	¢ 40	¢ 40	¢ 00	-1.0%	-1.0%				-1.0%	-1.0%	-1.0%		-1.0%	-1.0%				-1.0%		-1.0%			
Water portion of average bill Total average utility bill	\$ 14 \$ 40					\$ 18 \$ 66	\$ 19 \$ 78		1000	\$ 22 \$ 91							\$ 31 \$ 129					\$ 39 \$ 164		\$ 43 \$ 181	\$ 45 \$ 190			
Bond Covenant Information:																												
Coverage Ratio (130% min) Reserves (Max Annual DS)	417%	160%	202%		285%	617%	621%	768%	528%	336%	358%	382%	407%															
			\$ 151				\$ 150	\$ 154	\$ 153	Table Control of the	100000000000000000000000000000000000000	-	-													- 1		

City of West Linn Water Fund

Water Fund (amounts in thousands)

(amounts in thousands)

,																											
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
		۸	CTUALS									PROJE	CTED														
	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32	
Resources																					, , , ,						
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,923	\$5,764	\$4,506	\$4,504	\$4,610	\$4,965	\$5,218	\$5,283	\$5,664	\$6,114	\$6,638	\$7,098	\$7,336	\$7,898	\$8,271	\$8,747	\$9,332	
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,709	4.897	5,093	5,296	5,508	5,728	5,957	6,195	6,443	6,700	6,968	7,247	7,537	7,838	8,152	8,479	8,817	
Funds from rate increases	129	148	145	129	145	158	174	180	732	238	247	257	267	278	289	301	313	325	338	352	366	381	396	412	428	445	5.00%
Interest	25	85	1	-	-	- 1	-	- 1	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-	
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	2.00%
Licenses and permits Debt proceeds	-		-	-		-	-	236	3,800	1	-	-	-	•	-	-	-	-	-	-	-	-	- "	-	-	-	
Funding from LOT		-	-	-	-	-	5,429	-	3,800			-	-	-	-		-	-	-	1				-	-		
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	8,655	5,048	5,247	5,456	5,672	5,898	6,132	6,376	6,629	6,892	7,165	7,450	7,746	8,054	8,374	8,708	9,055	9,414	
Total Resources	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$14,760	\$12,971	\$11,011	\$9,962	\$10,177	\$10,507	\$11,097	\$11,594	\$11,912	\$12,556	\$13,280	\$14,088	\$14,843	\$15,390	\$16,273	\$16,979	\$17,801	\$18,747	
																·····											
Requirements																											
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00%
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	3.00%
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152		paid off	paid off	• *************************************		paid off	paid off	paid off	paid off	Scheduled					
Debt service - new issues	-		-	-	-			i		150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	Scheduled
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00%
Sub-total - operations Capital outlay	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012	
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%
Future water line replacement		-	-	-	-	-	636	751	900	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00%
Bolton Reservoir replacement	I.						-	1,001	2,159	2,328	1,164	-	-	-	-	-	-	=	-	-	-	-	-	-	-	-	3.00%
Demolish Abandoned View							-	- 1	-	-	-	-	-	-	-	-	-	-	•		-	-	-	-	-	-	3.00%
Reservoir Lining/Coating Pressure reducing valve							-	- 1	-	-	200					250					300					350	3.00% 3.00%
Reservoir seismic repairs	T.									-																	3.00%
Tigard/LO interite								_		-			_	-		-	_	-	-	_	_	-	_	_	-		3.00%
System improv projects							-	509	150	150	225	225	232	200	206	212	218	225	232	239	246	253	600	600	600	600	3.00%
Telemetry (SCADA) upgrade							-	- 1	25	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	3.00%
Sub-total - capital	126	358	390	62	19	599	733	2,265	3,264	3,523	2,713	1,555	1,549	1,557	1,604	1,902	1,701	1,752	1,805	2,001	2,361	2,184	2,526	2,583	2,642	3,053	3.00%
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,505	5,458	5,567	5,542	5,879	6,311	6,248	6,442	6,642	6,990	7,507	7,492	8,002	8,232	8,469	9,065	
Ending Fund Balance	075	004	004	070	222	007	201	200	205	077	200	400	445	400	100	400	400	540	500	554	500	500	222	200	240	270	
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670	
Reserve for debt service (in Over (under) Policy	c. 151 394	151 205	151 33	151 271	151 823	151	150 6,564	1.54 5,628	153	150 5,237	150 3,967	150 3,952	150 4.045	150 4.387	150 4,600	150 4,650	150 5,015	150 5.448	150 5,955	150 6,397	150 6,617	150 7,160	150 7.513	150	150 8,533	150 8,862	ľ
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	7,405 7,923	5,764	the State of the S	4,504	4,610	4,387	5,218	5,283	5,664	6,114	6,638	7,098	7,336	7,160	7,513 8,271	7,969 8,747	9,332	THE RESERVE AND PERSONS ASSESSED.	l,
-																											
Total Requirements	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$14,760	\$12,971	\$11,011	\$9,962	\$10,177	\$10,507	\$11,097	\$11,594	\$11,912	\$12,556	\$13,280	\$14,088	\$14,843	\$15,390	\$16,273	\$16,979	\$17,801	\$18,747	
Utility Rate Information: % water rate increases	50/	E0/	5%	E0/	5%	5%	5%	E0/	100/	E0/	E0/	E0/	E0/	E0/	E0/	E0/	E0/	E0/	F0/	F0/	F0/	E0/	E0/	E0/	E0/	E9/	
% water rate increases Projected revenue variance	5%	5%	5%	5%	5%	5%	5%	5%	18% -1.0%	5% -1.0%		5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%		5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%	5% -1.0%		5% -1.0%	
Water portion of average bill	\$ 14	\$ 15	\$ 15	\$ 16	\$ 17	\$ 18	\$ 19	\$ 20		\$ 24				\$ 30									\$ 46				
Total average utility bill	\$ 40		\$ 57			\$ 66	\$ 78		\$ 98	\$ 103		\$ 113				\$ 138		\$ 152					\$ 194				
0																	~ ~ 3		20,000								
Bond Covenant Information: Coverage Ratio (130% min)	A170/	1609/	2020/	2560/	2050/	6470/	6340/	7600/	0730/	E400/	E 400/	E700/	6400/														
	417%		202%	256%	285%		621% \$ 150		873% \$ 153	518%			612%														
Reserves (Max Annual DS)	\$ 151	\$ 151	1 151	* 151	¥ 151		\$ 150	\$ 154	\$ 153		\$ 150	g 150	4 150														

20-year Totals for Capital Projects

6,652

5,922 721 41,100

City of West Linn Water Fund (amounts in thousands)

Water Fund

(amounts in thousands)

							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
			CTUALS									PROJE																
sources	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32		
	4000	****	***		****	44.050				47.500		40.400																
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,598	\$5,101	\$3,492	\$3,125	\$2,852	\$2,813	\$2,656	\$2,295	\$2,233	\$2,222	\$2,266	\$2,228	\$1,948	\$1,971	\$1,783	\$1,676	\$1,655		
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	4,387	4,563	4,745	4,935	5,132	5,337	5,551	5,773	6,004	6,244	6,494	6,753	7,024	7,305	7,597	7,901	8,217		
Funds from rate increases Interest	129 25	148 85	145 1	129	145	158	174	180	407	222	230	240	249	259	270	280	292	303	315	328	341	355	369	384	399	415	5.00%	
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	2.00%	
Licenses and permits	-		-	-	-	-	-	-	2 000		-	-		-	-	-	-	-	-	-	-	-	-	-	-	-		
Debt proceeds Funding from LOT	-	-	-		-		5,429	236	3,800		-	-	-	-	-	-	-	-	-	2	-	-	-			-		
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	8,330	4,710	4,896	5,091	5,293	5,503	5,722	5,949	6,186	6,431	6,686	6,952	7,227	7,515	7,814	8,125	8,448	8,784		
tal Resources	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11.406	\$14,435	\$12.308	\$9,997	\$8,583	\$8,419	\$8,355	\$8,535	\$8,606	\$8,481	\$8,664	\$8,908	\$9,218	\$9.455	\$9.463	\$9,785	\$9 908	\$10,124	\$10 439		
	4 5,511	40,017	40,000	40,100	70,00	41,011	V 10,002	VIIII	411,100	 , =,000	40,001	40,000	ψο, ττο	40,000	40,000	40,000	40,101	40,001	ψ0,000	Ψ0,210	ψ0,100	ψο, του	ψο,του	Ψο,οοο	ψ10,121	V10,100		
quirements																												
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1.042	\$1.084	\$1,127	\$1,172	¢1 210	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00%	
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	\$1,127 2,426	2,499	\$1,219 2,574	2,651	2,731	2,813	\$1,427 2,897	2,984	3.00%	
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152		paid off		· · · · · · · · · · · · · · · · · · ·			•		paid off		0.50	paid off		paid off	Scheduled	
Debt service - new issues Transfers to other funds	617	- 1,027	- 686	- 743	- 657	684	702	730	986	150 869	150 895	150	150 950	150 979	150 1,008	150 1.038	150	150	150	150	150	150	150	150	150		Scheduled	
Sub-total - operations	2,598	2,939	2,732	2,712	2.686	2,816	703 2,811	3,036	3,573	3,684	3,792	922 3,903	4,018	3,985	4,275	4,409	1,069 4,547	1,101 4,690	1,134 4,837	1,168 4,989	1,203 5,146	1,239 5,308	1,276 5,476	1,314 5,649	1,353 5,827	1,394 6,012	3.00%	
Capital outlay										-,	71	-,	.,		1,=	.,	.,,	1,000	1,001	1,000	0,110	5,555	0,110	0,010	0,02.	0,0.2		
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00%	. [
Future water line replacemen Bolton Reservoir replacemen		-	-	-	-	-	636	751 1,001	900 2,159	925 2,328	1,000 1,164	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00% 3.00%	
Demolish Abandoned View							-	-	2,100	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		3.00%	
Reservoir Lining/Coating							-	- 1	-	-	200					250					300					350	3.00%	
Pressure reducing valve							-	- 1	-	-																	3.00%	_
Reservoir seismic repairs Tigard/LO interite									-	-																	3.00% 3.00%	
System improv projects							_	509	150	150	225	225	232	200	206	212	218	225	232	239	246	253	600	600	600	600	3.00%	
Telemetry (SCADA) upgrade							-	- 8	25	26	27	80	29	30	31	32	33	34	35	36	37	100	40	41	42	43	3.00%	1
Sub-total - capital	126	358	390	62	19	599	733	2,265	3,264	3,523	2,713	1,555	1,549	1,557	1,604	1,902	1,701	1,752	1,805	2,001	2,361	2,184	2,526	2,583	2,642	3,053	3.00%	_
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	6,837	7,207	6,505	5,458	5,567	5,542	5,879	6,311	6,248	6,442	6,642	6,990	7,507	7,492	8,002	8,232	8,469	9,065		
Ending Fund Balance																												
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670		
Reserve for debt service (in Over (under) Policy	ic. 151 394	151 205	151 33	151 271	151 823	151 984	150 6,564	154 5,628	7,080	150 4,574	150 2,953	150 2,573	150 2,287	150 2,235	150 2,038	150 1,662	150 1,584	150 1,556	150 1,583	150 1.527	150 1,229	150 1,233	150 1.025	150 898	150 856	150 554		
Total ending fund balance		620	468	695	1,256	1,432	7,008	6,105	7,598	5,101	3,492	AND REAL PROPERTY.	2,852	2,813	THE RESIDENCE OF THE PERSON NAMED IN	2,295	CONTRACTOR OF STREET	THE RESIDENCE AND ADDRESS.	2,266	2,228	1,948	CONTRACTOR DESCRIPTION	1,783	1,676	1,655	1,374		
al Requirements	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$14,435	\$12,308	\$9,997	\$8,583	\$8,419	\$8,355	\$8,535	\$8,606	\$8,481	\$8,664	\$8,908	\$9,218	\$9,455	\$9,463	\$9,785	\$9,908	\$10,124	\$10,439		
ty Rate Information:																												
% water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	10%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%		
Projected revenue variance									-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%		-1.0%	-1.0%	-1.0%		
Water portion of average bill	\$ 14				\$ 17			\$ 20	\$ 22		\$ 24			\$ 28			\$ 32			\$ 37		\$ 41			\$ 47			
Total average utility bill	\$ 40	\$ 42	\$ 57	\$ 60	\$ 63	\$ 66	\$ 78	\$ 83	\$ 91	\$ 96	\$ 100	\$ 105	\$ 111	\$ 116	\$ 122	\$ 128	\$ 135	\$ 141	\$ 148	\$ 156	\$ 164	\$ 172	\$ 180	\$ 189	\$ 199	\$ 209		
nd Covenant Information:																												
nd Covenant Information: Coverage Ratio (130% min) Reserves (Max Annual DS)	417%	160%	202% \$ 151	256%	285%	617%	621% \$ 150	768%	661% \$ 153	406%	431% \$ 150	458%	486%															

City of West Linn Water Fund (amounts in thousands)

Water Fund

(amounts in thousands)

(amounts in thousands)																											
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
				_								DD0.15	0.7.5.0														
-	EV00		CTUALS FY10		EV12	FY13	FY14	FY15	FY16	FY17	FY18	PROJE FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY32	
esources -	FY08	FY09	FYIU	FY11	FY12	FTI3	F114	F115	FIIO	FT17	F110	F113	F120	1121	1122	1123	1124	1125	1120	1 121	1120	1120	1100	1101	1102	1102	
esources																											
Beginning fund balance	\$906	\$820	\$620	\$468	\$695	\$1,256	\$1,432	\$7,008	\$6,105	\$7,401	\$4,927	\$3,456	\$3,321	\$3,284	\$3,500	\$3,656	\$3,668	\$3,642	\$3,433	\$3,346	\$3,247	\$3,080	\$3,052	\$2,971	\$2,795	\$2,782	
Water charges - base	2,449	2,807	2,763	2,773	3,007	3,327	3,418	3,885	4,024	5,432	5,649	5,875	6,110	6,355	6,609	6,874	7,149	7,435	7,732	8,040	8,362	8,696	9,044	9,406	9,782	10,173	
Funds from rate increases	129	148	145	129	145	158	174	180	1,463	274	285	297	309	321	334	347	361	375	390	406	422	439	457	475	494	514	5.00
Interest	25	85	1	-	-	- 1	-	- 1	-	-	-	-	-	-		-	•	-	-	-	-	-	-	-	-	-	0.00
Miscellaneous	35	57	61	99	114	106	99	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	128	131	134	137	2.00
Licenses and permits	- makes marks - valenced	-	Charles - Darward		-	-	-		-		-	-	-	-		-	-	-	-	-	•	-	-	•	-	-	
Debt proceeds	-	-	-	•	•	- 1	-	236	3,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	
Funding from LOT			- 0.070	- 0.004	- 0.000	0.504	5,429	4.000	- 0.000		- 007	- 0.70		6,788	7,058	7,339	7,631	7,934	8,249	8,576	8.917	9,271	9,641	10,025	10,424	10,839	
Total revenues	2,638	3,097	2,970	3,001	3,266	3,591	9,120	4,398	9,386	5,807	6,037	6,278	6,528	0,700	7,056	7,339	7,031	7,934	0,249	0,370	0,917	3,271	3,041	10,023	10,424	10,033	
tal Resources	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$15,491	\$13,209	\$10,964	\$9,734	\$9,850	\$10,072	\$10,558	\$10,995	\$11,299	\$11,576	\$11,681	\$11,922	\$12,164	\$12,351	\$12,693	\$12,996	\$13,219	\$13,621	
•																											
equirements																											
Personal services	\$596	\$510	\$580	\$522	\$523	\$457	\$521	\$546	\$630	\$655	\$681	\$708	\$736	\$765	\$963	\$1,002	\$1,042	\$1,084	\$1,127	\$1,172	\$1,219	\$1,268	\$1,319	\$1,372	\$1,427	\$1,484	4.00
Materials & services	1,234	1,249	1,313	1,298	1,356	1,525	1,437	1,606	1,804	1,858	1,914	1,971	2,030	2,091	2,154	2,219	2,286	2,355	2,426	2,499	2,574	2,651	2,731	2,813	2,897	2,984	3.00
Debt service - existing	151	153	153	149	150	150	150	154	153	152	152	152		paid off	paid off	paid off	paid off	paid off	paid off	Schedu							
Debt service - new issues	-	-		-	-	- 1	-	- 8	-	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	Schedu
Transfers to other funds	617	1,027	686	743	657	684	703	730	986	869	895	922	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,239	1,276	1,314	1,353	1,394	3.00
Sub-total - operations	2,598	2,939	2,732	2,712	2,686	2,816	2,811	3,036	3,573	3,684	3,792	3,903	4,018	3,985	4,275	4,409	4,547	4,690	4,837	4,989	5,146	5,308	5,476	5,649	5,827	6,012	
Capital outlay																											
Prior capital / equipment	126	358	390	62	19	599	97	4	30	94	97	100	103	106	109	112	115	118	122	126	130	134	138	142	146	150	3.00
Future water line replacements	-	-	-	-	-	- 9	636	751	900	925	1,000	1,150	1,185	1,221	1,258	1,296	1,335	1,375	1,416	1,600	1,648	1,697	1,748	1,800	1,854	1,910	3.00
Bolton Reservoir replacement							-	1,001	2,159	2,328	1,164	-	-	-	-	-		-	•	•	-	-	-	-	-	-	3.00
Demolish Abandoned View							-	- 1	-	-	-	-	-	-	-	-	-	•	-	-	200	-	-	-	-	350	3.00 3.00
Reservoir Lining/Coating							-	- 8	-	-	200	00	00	00	00	250	20	22	20	22	300 22	22	22	22	22	22	3.00
Pressure reducing valve							-	- 1	161	21	21	22	22 110	110	110	110	110	110	110	3.00							
Reservoir seismic repairs							-		91	104	107	110	110	110	110	110	110	110	110	110	110	-	-	-	-	-	3.00
Tigard/LO interite System improv projects							-	509	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,500	1,800	1.800	1,800	1,700	2,000	2,200	2,450	2,450	2,450	3.00
Telemetry (SCADA) upgrade							-	509	76	26	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	3.00
Sub-total - capital	126	358	390	62	19	599	733	2,265	4,517	4,598	3,716	2,510	2,548	2,587	2,627	2,918	3,110	3,453	3,498	3,686	3,938	3,991	4,246	4,552	4,610	5,020	3.00
Total expenditures	2,724	3,297	3,122	2,774	2,705	3,415	3,544	5,301	8,090	8,282	7,508	6,413	6,566	6,572	6,902	7,327	7,657	8.143	8,335	8.675	9,084	9,299	9,722	10,201	10,437	11,032	
rotal experiantics	2,724	0,201	0,122	2,//-	2,700	0,410	0,011	0,001	0,000	0,202	7,000	0,110	0,000	0,0.2	5,552	.,	.,	-1	,		,						
Ending Fund Balance											1	1000		1								500	222	200	0.40	670	
Policy requirement (15%)	275	264	284	273	282	297	294	323	365	377	389	402	415	428	468	483	499	516	533	551	569	588	608	628	649	670	
Reserve for debt service (inc.	151	151	151	151	151	151	150	154	153	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
Over (under) Policy	394	205	33	271	823	984	6,564	5,628	6,883	4,400	2,917	2,769	2,719	2,922	3,038	3,035	2,993	2,767	2,663	2,546	2,361	2,314	2,213	2,017	1,983	1,769	
Total ending fund balance	820	620	468	695	1,256	1,432	7,008	6,105	7,401	4,927	3,456	3,321	3,284	3,500	3,656	3,668	3,642	3,433	3,346	3,247	3,080	3,052	2,971	2,795	2,782	2,589	
tal Requirements	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$15,491	\$13,209	\$10,964	\$9,734	\$9,850	\$10,072	\$10,558	\$10,995	\$11,299	\$11,576	\$11,681	\$11,922	\$12,164	\$12,351	\$12,693	\$12,996	\$13,219	\$13,621	
otal Requirements =	\$3,544	\$3,917	\$3,590	\$3,469	\$3,961	\$4,847	\$10,552	\$11,406	\$15,491	\$13,209	\$10,964	\$9,734	\$9,850	\$10,072	\$10,558	\$10,995	\$11,299	\$11,576	\$11,681	\$11,922	\$12,164	\$12,351	\$12,693	\$12,996	\$13,219	\$13,621	•
tility Rate Information: % water rate increases	5%	5%	5%	5%	5%	5%	5%	5%	36%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%		
Projected revenue variance									-1.0%				-1.0%	-1.0%			-1.0%	-1.0%	-1.0%			-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	
	\$ 14	\$ 15	\$ 15	\$ 16	\$ 17	\$ 18	\$ 19	\$ 20		\$ 28			\$ 33		\$ 36		\$ 40	\$ 42	\$ 44	\$ 46	\$ 48	\$ 50	\$ 53	\$ 56	\$ 58	\$ 61	
	-					\$ 66	\$ 78			\$ 118		\$ 130			\$ 151			\$ 175	\$ 184			\$ 212	\$ 223	\$ 234	\$ 246	\$ 258	
3	10.00				FW 1 50/50					Marian Santan																	
and Covenant Information:																											
ond Covenant Information: Coverage Ratio (130% min) Reserves (Max Annual DS)	417% \$ 151	160%	202%	256% \$ 151	285%	617%	621% \$ 150		1351% \$ 153			851% \$ 150															

20-year Totals for Capital Projects 26,705 6,652 -1,100 533 1,952 -29,459 549 66,950