



# REGION 2050

Sustaining Quality of Life in the  
Southern Willamette Valley

## Wastewater Facilities Questionnaire

Dear Wastewater Utility Staff:

Please complete the following questionnaire and return your response via e-mail to [cheinkel@lane.cog.or.us](mailto:cheinkel@lane.cog.or.us) or hard copy to Carol Heinkel, LCOG, 99 East Broadway, Suite 400, Eugene, Oregon 97401 **by 5:00 p.m. Friday, November 19, 2004.**

For assistance in completing the questionnaire, please contact George Walker, City of Springfield Infrastructure Engineering Technician, 726-3674. For maps of the Alternative Growth Scenarios and other information about Region 2050, please visit the web site [www.Region2050.org](http://www.Region2050.org).

1. What is the current service area population of your wastewater system?
2. What is the projected service area population (current capacity in terms of population)?
3. In round numbers, please estimate the cost (in today's dollars) of providing wastewater services to the additional population (including all customer classes) for each of the growth scenarios (see attached tables).
  - Assume the mix of customer base and current average consumption levels remain the same as in the year 2000 over the next 50 years.
  - Please **include and break out** costs for capital and management of sludge/bio-solids.
  - Please include overall systems costs as well as an average cost per customer. (Average cost per customer is not a rate. It is a fraction that will be used as a common measure to compare the scenarios.)
  - Please list all assumptions made in deriving these estimates.

	Total Estimated Costs	Break Out Bio-solids Cost	Average Cost Per Customer
Compact Urban Growth	\$ _____	\$ _____	\$ _____
Satellite Communities	\$ _____	\$ _____	\$ _____
Rural Growth	\$ _____	\$ _____	\$ _____

(Over, Please)

4. Assuming that the average per customer usage in all customer classes remains the same as in 2000 and that costs are spread evenly among all customers (new and existing), at what customer level (service area population) will you be required to make a major capital investment such as new treatment, pumping, or transmission facilities? Please include these costs into the estimates in question #3.

Threshold Service Area Population \_\_\_\_\_

5. Which, if any, of the three scenarios would trigger requirements for improving or upgrading wastewater treatment to meet more stringent effluent limits? Check all that apply:

Compact Urban Growth Scenario  
 Satellite Communities Scenario  
 Rural Growth Scenario  
 None

6. What issues do you anticipate in providing wastewater services under each of the growth scenarios?

Compact Urban Growth Scenario

Satellite Communities Scenario

Rural Growth Scenario

**THANK YOU!**

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**Population and Housing Densities in Year 2000 and**  
**Year 2050 Alternative Growth Scenarios**

			Compact Urban Growth Scenario		Satellite Communities Growth Scenario		Rural Growth Scenario	
	2000 Population	2000 Net Units Per Acre	2050 Population	Net Units Per Acre	2050 Population	Net Units Per Acre	2050 Population	Net Units Per Acre
<b>UGBs</b>								
Eugene	160,514	6.0	252,689	7.4	212,248	7.0	193,393	6.9
Springfield	61,989	6.4	112,103	7.1	83,800	7.2	84,102	7.1
Coburg	969	4.8	5,827	8.1	5,984	8.1	5,878	8.2
Cottage Grove	8,890	5.0	16,148	6.7	26,501	6.8	14,723	6.7
Creswell	3,909	4.9	14,920	6.3	22,858	6.8	5,795	5.6
Junction City	5,858	6.3	9,128	6.7	12,524	6.1	8,465	6.3
Lowell	857	3.6	2,368	3.7	2,845	3.6	2,359	3.7
Oakridge	3,246	3.5	7,895	6.1	13,939	5.8	7,136	5.3
Veneta	2,755	4.0	14,110	5.3	24,016	5.9	10,002	5.0
Westfir	287	2.5	546	3.7	564	3.9	544	3.7
<b>Growth Centers</b>								
Pleasant Hill	543	0.4			11,777	6.6		
Goshen	230	0.2			10,180	9.9		
Alvadore	309	0.7			16,027	6.3		
<b>Total UGBs/Growth Centers</b>	<b>249,274</b>	<b>3.5</b>	<b>435,734</b>	<b>7.1</b>	<b>443,263</b>	<b>6.9</b>	<b>332,397</b>	<b>6.8</b>
<b>Total Rural</b>	<b>56,733</b>	<b>0.4</b>	<b>27,766</b>	<b>0.3</b>	<b>20,237</b>	<b>0.2</b>	<b>131,103</b>	<b>0.5</b>
<b>Regional TOTAL</b>	<b>306,007</b>	<b>1.4</b>	<b>463,500</b>	<b>5.3</b>	<b>463,500</b>	<b>3.1</b>	<b>463,500</b>	<b>1.7</b>

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**Employment and Employment Densities in Year 2000 and**  
**Year 2050 Alternative Growth Scenarios**

			Compact Urban Growth Scenario		Satellite Communities Growth Scenario		Rural Growth Scenario	
	2000 Employment	2000 Emp Per Acre	2050 Employment	Net Emp Per Acre	2050 Employment	Net Emp Per Acre	2050 Employment	Net Emp Per Acre
<b>UGBs</b>								
Eugene	88,743	14.1	117,346	15.1	88,833	13.3	100,307	14.1
Springfield	22,488	7.1	42,092	12.7	39,101	11.4	43,189	12.2
Coburg	3,717	7.9	5,340	17.8	5,293	17.7	5,468	18.9
Cottage Grove	3,305	4.9	10,852	18.8	12,883	16.3	11,247	19.6
Creswell	1,054	5.8	9,686	20.8	14,503	17.7	7,694	19.5
Junction City	3,148	10.8	10,157	10.7	13,367	16.8	11,448	15.6
Lowell	157	6.8	289	19.7	1,135	21.5	930	21.3
Oakridge	711	2.8	3,218	10.0	6,798	10.5	4,960	12.2
Veneta	620	5.2	5,240	19.5	10,207	21.6	5,797	18.5
Westfir	4	0.3	95	7.7	94	7.7	97	7.7
<b>Total UGBs</b>								
<b>Growth Centers</b>								
Pleasant Hill					2,313	22.0		
Goshen					6,853	14.6		
Alvadore					2,937	20.7		
<b>Total UGBs/Growth Centers</b>	<b>123,947</b>	<b>9.9</b>	<b>204,316</b>	<b>14.6</b>	<b>204,316</b>	<b>13.9</b>	<b>191,137</b>	<b>14.2</b>
<b>Total Rural</b>	<b>10,684</b>		<b>10,684</b>	<b>5.8</b>	<b>10,684</b>	<b>5.0</b>	<b>23,863</b>	<b>5.2</b>
<b>Regional Total</b>	<b>134,631</b>		<b>215,000</b>	<b>13.1</b>	<b>215,000</b>	<b>12.5</b>	<b>215,000</b>	<b>12.2</b>

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**Land in Urban Growth Boundaries (UGBs) and Growth Centers**  
**in Year 2000 and Year 2050 Alternative Growth Scenarios**

	Compact Urban Growth Scenario				Satellite Communities Growth Scenario			Rural Growth Scenario*		
	2000 UGB	2050 UGB	Additional Acres From 2000	% Increase From 2000	2050 UGB-Growth Center Area	Additional Acres From 2000	% UGB Increase From 2000	2050 UGB	Additional Acres From 2000	% Increase From 2000
<b>UGBs</b>										
Eugene	28,398	36,457	8,059	28%	31,588	3,190	11%	30,853	2,455	9%
Springfield	11,939	17,480	5,541	46%	13,740	1,801	15%	13,740	1,801	15%
Coburg	451	1,045	594	132%	1,118	667	148%	1,056	605	134%
Cottage Grove	2,226	2,544	318	14%	3,582	1,355	61%	2,380	154	7%
Creswell	994	1,737	743	75%	2,899	1,905	192%	1,201	207	21%
Junction City	1,685	2,219	534	32%	2,390	705	42%	1,909	224	13%
Lowell	412	453	41	10%	573	161	39%	490	78	19%
Oakridge	1,188	1,255	67	6%	2,499	1,311	110%	1,375	187	16%
Veneta	1,386	1,900	515	37%	3,041	1,655	119%	1,562	177	13%
Westfir	169	218	49	29%	218	49	29%	218	49	29%
<b>Growth Centers</b>										
Pleasant Hill					1,235	1,235				
Goshen					1,157	1,157				
Alvadore					1,704	1,704				
<b>Total UGBs/Growth Centers</b>	<b>48,849</b>	<b>65,309</b>	<b>16,460</b>	<b>34%</b>	<b>65,745</b>	<b>16,896</b>	<b>35%</b>	<b>54,785</b>	<b>5,937</b>	<b>12%</b>

