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city
streetlighting
in
Oregon



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inventories, expenditures, and opportunities

by Jonathan Raab

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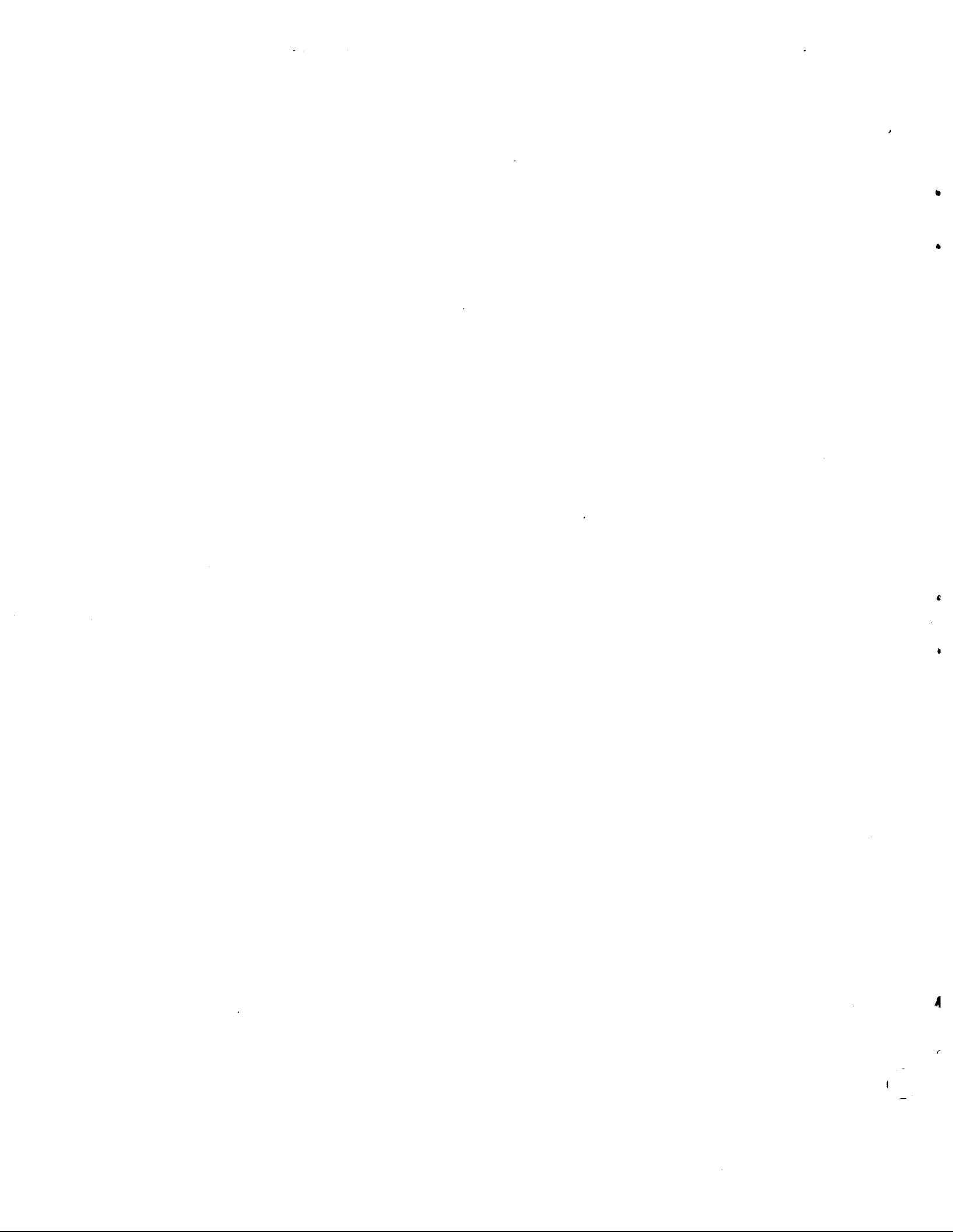


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INTRODUCTION

In September 1985 the Bureau published the Oregon City and County Energy Management Study. During the study most Oregon cities and counties were surveyed about energy expenditures and types of energy efficiency improvements made in buildings, facilities and motor vehicles. One of the major findings was that streetlights were the number one energy-related expenditure for most Oregon cities.

Seventy-seven cities reported streetlight utility payments totaling over \$3 million in fiscal 1983-84. However, the energy expenditure was not readily discernible, because a large portion of most cities' streetlight utility payments is for equipment rental and maintenance. Except for cities that owned and maintained their own streetlights, a breakdown of expenditure by energy, rental and maintenance was not readily available.

This study, a follow-up to the Bureau's statewide energy management study, had two basic goals:

1. To analyze the inventory and expenditures of city streetlights in Oregon.
2. To identify available options for cities to reduce streetlight expenditures.

A comprehensive statewide streetlight inventory was compiled and city expenditures were calculated from information gathered from all utilities that provide city streetlighting in Oregon. For each city, utilities were asked to identify each light by light type (e.g., mercury vapor, high pressure sodium vapor, etc.), light size (e.g., 70 watt, 200 watt, etc.), and ownership and maintenance arrangement. All utilities use this information to bill cities each month; however, the information is not generally listed by category on monthly bills. Expenditures were calculated by multiplying each inventory component by the appropriate utility streetlight rate.

After data were gathered, inventory and expenditure information was compiled and analyzed using dBASE III and Lotus 1-2-3. Complete inventory information was compiled for 211 of Oregon's 240 cities, covering over 98 percent of the state's city population.

Because new streetlights are being added all the time and conversion to more efficient streetlights is also an ongoing process, by the time this study is published, the inventory and expenditure information already will be slightly dated. For instance, the city of Portland inventory was compiled at the end of 1985. By the end of 1986 the city will have converted approximately 13,000 additional lights from mercury vapor to high pressure sodium vapor lights.

The first section of this report examines all inventory and expenditure findings. Per capita and per mile indicators were calculated for each city so that cities can be compared. At the end of the first section are brief discussions of lighting technology and streetlight rates. There is also a calculation of the energy use and power requirements of Oregon's city streetlight system.

The second section explores various options available to cities to reduce streetlight expenditures. These options include removing lights, converting to more efficient lights, purchasing the system from the utility, reducing the hours of streetlight operation, and reconfiguring the system. Case studies based on the experiences of various cities are used to illustrate these options.

The appendixes include extensive information on the streetlight inventory, expenditures and utility rates, as well as other pertinent documentation used in compiling and analyzing Oregon's city streetlights. In the inventory and expenditure sections, some tables are broken down by utilities and others by city. Numerous tables show inventory and expenditure indicators (e.g., lights per capita, dollar per mile) for each city. These tables are generally sorted alphabetically, by city size, by population, and by the indicators. A section on utility rates includes current rates from all utilities for selected lights and a ten-year rate history for selected lights from selected utilities. The raw inventory data can be found at the end of the appendixes.

MAJOR FINDINGS

In 1985 Oregon cities paid utilities more than \$10 million for streetlights--53 percent for energy, 37 percent for renting and maintaining the lights, and 10 percent for pole rental and maintenance. In addition to the money cities pay utilities for streetlights, total city expenditures also would include capital and maintenance costs for cities that own and maintain their own lights.

The average Oregon city makes utility payments of \$8.22 per capita or \$1,030 per road mile for streetlights. These indicators vary significantly by ownership and maintenance arrangements with the serving utility. When a city owns and maintains its own streetlight system, utility payments are usually lower than when the system is owned or maintained by a utility.

Only thirteen cities own and maintain most of their streetlights. An additional seven cities own most of their streetlights but the utility maintains them. Many of the larger cities, including Portland, Eugene, Springfield, Medford, Lake Oswego, and Ashland are in these two categories. Due to the size of these cities, 52.2 percent of the streetlights in Oregon are owned by cities (16.6 percent are maintained by cities and 35.6 percent are maintained by utilities) and 47.8 percent are owned and maintained by a utility.

There are currently over 114,500 streetlights in service in Oregon's cities. Nearly 80 percent of the streetlights are served by Portland General Electric (55 percent) and Pacific Power & Light (24 percent), with the remaining 21 percent distributed among twenty-one other private and public utilities. Over half of the streetlights have been converted to energy-efficient lights. The bulk of the energy-efficient lights are high pressure sodium (HPS) vapor lights, which use roughly half the energy that their mercury vapor predecessors used to produce similar lighting levels. Only the city of Springfield has installed low pressure sodium (LPS) vapor lights, which are even more efficient than HPS vapor.

The average Oregon city has 8.7 lights for every 100 residents, which is equivalent to 10.7 lights for every city road mile. These numbers generally fluctuate with the size of the city. Small cities with low population densities tend to have more per capita lights but fewer lights per mile than large cities. Factoring in the size of the lights by multiplying each light by the number of lumens it produces, the average Oregon city provides 935 lumens for each resident and 119,000 lumens for each road mile.

Thirty-eight percent of the city streetlights are 175-watt mercury vapor lights, making them by far the most common light in the state. Most of the 175-watt mercury vapor lights that have been converted have been replaced by 100-watt HPS vapor lights. However, many also have been changed to 70-watt HPS vapor lights, which are more

efficient and less costly than 100-watt HPS vapor lights, but put out less light, and Springfield has converted to 55-watt LPS vapor lights. While the 175-watt mercury vapor lights supply 7,000 lumens, a 100-watt HPS vapor light supplies 9,500 lumens, and a 70-watt HPS vapor light supplies 5,800 lumens. Both PGE and PP&L are encouraging the use of 100-watt HPS vapor lights because of their higher lighting levels. However, cities that are struggling to balance lighting needs with restricted budgets may be able to use 70-watt HPS vapor lights for most streetlight needs.

Streetlight rates have escalated substantially over the past decade. For instance, PGE's rates have increased an average of 8.9 percent per year for the last decade for 175-watt mercury vapor lights that are owned and maintained by the utility. For 175-watt mercury vapor lights that are owned by a city but maintained by the utility, the annual escalation has been 9.9 percent, and for those that are owned and maintained by a city, the annual escalation has been 11.2 percent.

Streetlight rates vary significantly among utilities. Municipal utilities and public utility districts almost always have comparatively lower rates than private utilities. One interesting finding is that PP&L, Salem Electric, and Consumers Power charge more for a 100-watt HPS vapor light that is owned and maintained by the utility than for its 175-watt mercury vapor counterpart (PP&L charges \$7.57 per month for the 100-watt HPS vapor and \$6.98 per month for the 175-watt mercury vapor). This type of rate structure does little to encourage cities to initiate conversion to more efficient lighting.

Based on the energy and power requirements of the existing inventory, it was calculated that the present Oregon city streetlight inventory consumes approximately 103 million kilowatt hours of energy a year and requires 24.4 megawatts of power. By converting the remaining mercury vapor and incandescent lights to HPS vapor lights, it is estimated that these figures could be reduced to 82 million kilowatt hours of energy a year and 19.2 megawatts. However, these calculations assumed conversion of the remaining 175-watt mercury vapor lights to 100-watt HPS vapor lights. If conversion was to 70-watt HPS vapor lights, or to the even more efficient 55-watt LPS vapor lights, the savings would increase substantially.

Conversion to more efficient lighting is one option for reducing city streetlight expenditures. While most of the conversions to date have been financed through BPA's Street and Area Lighting Program, this program is no longer available for system-wide conversions. Utilities are currently installing HPS vapor lights only when mercury vapor fixtures fail or on new service. Therefore, city-initiated conversion is the primary avenue available to cities. Depending on the serving utility's rate schedule and conversion charge, a city could obtain substantial savings through conversion.

Removing streetlights either temporarily or permanently is another option available to local governments to curb streetlight expenditures.

Many cities in Oregon are relatively overlit as a result of historically inexpensive streetlight rates and/or "free" streetlights as part of the utility franchise agreement.

Several cities in Oregon have either temporarily turned lights off or permanently removed streetlights. Many utilities charge cities for the permanent removal of streetlights, based on their labor costs and the book value of the equipment, minus the salvage value. Other utilities remove the lights at no charge to the city. For temporary delamping, some utilities not only charge for labor, but require that the city continue to pay the maintenance and rental fees--only forgiving the energy charge.

Cities that do not own their streetlight system can also consider purchasing it from the utility. On a purchase, cities usually have the option to take over the maintenance responsibilities or let the utility continue to maintain the system. For smaller cities, absorbing the maintenance responsibilities may not be feasible. To assess whether purchase of the system is feasible, a city would need to examine the streetlight rate benefits from such a change and negotiate a selling price with the serving utility. The city of Portland purchased its streetlight system several years ago from PGE.

Other options for cities to explore include system reconfiguration and reduced operating hours. If certain areas only need to be lit for certain portions of the night, cities might be able to save money by having utilities install timers. While this is not an arrangement that is commonly available through most utilities, it is an option that cities might want to explore. Cities can also look at better streetlight placement or the replacement of several lights clustered in one area with a single higher intensity light.



STREETLIGHT INVENTORY

The Bureau survey identified 114,500 streetlights currently in use in Oregon cities. Nearly 80 percent of city streetlights in Oregon are serviced by only two utilities--55 percent by PGE and 24 percent by PP&L. The remaining 21 percent is distributed among twenty-two other public and private utilities (see Appendix I-A.1).

Streetlight Types

One important finding is that over half of the streetlights in Oregon already have been converted from mercury vapor and incandescent to the more efficient high pressure sodium (HPS) vapor. Some conversion of lights to low pressure sodium (LPS) vapor and of large, mercury vapor lights to metal halide has also occurred.

Table 1

STREETLIGHT INVENTORY, BY LIGHT TYPE

<u>Light Type</u>	<u>Number</u>	<u>Percent</u>
HPS Vapor	57,663	50.4%
Mercury Vapor	52,905	46.2
Other*	<u>3,932</u>	<u>3.4</u>
Total	114,500	100.0%

* Primarily consists of LPS vapor but also includes incandescent and metal halide lights.

The use of energy-efficient streetlights in Oregon cities appears to be significantly higher than in most other states. A comparable study for Arizona cities conducted by the Arizona Energy Office in 1984 found a use of energy-efficient lighting of only 30 percent. ("Economic Analysis of Arizona Streetlight Retrofit Potential," by Jerome Dixon and David J. Sakata for the Arizona Energy Office (1985).) A national survey of fifty-eight utilities in twenty-six states conducted by the American Public Power Association in 1984 found a use of energy-efficient streetlights of 28 percent. ("Streetlights Providing New Challenges, Energy Savings," by Michael Bergman, Public Power (March-April 1984).) The only notable exception is California, where utilities already have converted over 93 percent of all utility owned lights to HPS vapor under the encouragement of the California Public Utilities Commission's Streetlight Conversion Program initiated in 1977.

Utilities differ substantially in the amount of conversion to more efficient lighting that has occurred within their service territories. Although almost half of all HPS lights in Oregon are in PGE's service territory, 54 percent of PGE's lights are still mercury vapor. In PP&L's service territory, 60 percent of the lights are still mercury vapor. In contrast, most of the public utilities have converted all their lights to more efficient HPS and LPS vapor. The Springfield Utility Board is the only utility in Oregon that has converted its lights to LPS vapor. (See Appendix I-A.2 for utility distribution.)

Most of the streetlight conversion in Oregon has been financed through Bonneville Power Administration's Street and Area Lighting Program. This program, which began in 1981, paid for 100 percent of streetlight conversion costs. Although this financing arrangement is primarily responsible for the conversion to efficient lighting by publicly owned utilities, even PGE and PP&L have used BPA funding to convert streetlights. (See page 39 for more details.)

Ownership Patterns

Unlike most city buildings and facilities, streetlights are often not owned by the cities they serve. Approximately 48 percent of the streetlights in Oregon cities are owned and maintained by utilities. An additional 36 percent are owned by cities but maintained by utilities. Only 17 percent of the lights are owned and maintained by cities. However, for all ownership arrangements, cities pay utilities for electricity to operate the streetlights.

Table 2

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE

<u>Ownership Type</u>	<u>Number</u>	<u>Percent</u>
Utility Owned and Maintained	54,761	47.8%
City Owned and Utility Maintained	40,724	35.6
City Owned and Maintained	<u>19,015</u>	<u>16.6</u>
Total	114,500	100.0%

Only about 8 percent of the city lights in both PGE and PP&L's service territories are owned and maintained by cities. PP&L owns and maintains 92 percent of the city streetlights in its service territory, while PGE owns and maintains 31 percent of the city streetlights in its service territory and maintains an additional 61 percent that are owned by cities. Many streetlights in public utility districts are owned and maintained by cities. (See Appendix I-A.3.) Cities that have municipal utilities obviously own their streetlights.

Most streetlights in 191 of the 211 cities included in this study are owned and maintained by a utility. Only 13 cities own and maintain their streetlights, and an additional 7 cities own most of their lights, but the lights are maintained by a utility. However, some of Oregon's largest cities, including Portland, Springfield, Lake Oswego, Eugene and Medford, are included in the last two categories (see Appendix II-E).

Streetlight Inventory Indicators

When all inventory information was gathered for each utility, inventories were constructed for each city. For the few cities that have streetlight service from more than one utility, separate inventories from each utility were combined.

To construct the inventory information in a form that would be useful for comparing streetlighting among cities, two indicators were derived. The first indicator is the number of lights per hundred population. For this calculation, 1985 population figures were used from the Center for Population Research and Census at Portland State University.

The second indicator is the number of lights per mile. Road mileage information for each city was obtained from the Oregon Department of Transportation. To construct this indicator, city owned and maintained mileage was combined with county and state owned mileage within the city limits for each city. Appendix I-C contains tables of these indicators sorted alphabetically, by city size, by utility, by lights per hundred population, and by lights per mile.

Table 3 indicates that the mean for all cities is 8.6 lights per hundred population. The range of lights per hundred population is 0.9 to 28.6. A standard deviation of 3.9 indicates that about two-thirds of the cities are within (i.e, plus or minus) 3.9 lights of the 8.6 mean. Table 3 also indicates that the mean drops as city size increases--large cities are generally more densely populated and thus have fewer people per light, even though they have more lights.

Table 3

LIGHTS PER HUNDRED POPULATION

Item	All Cities	City Size Category							
		Under 500	500-999	1,000-2,499	2,500-4,999	5,000-9,999	10,000-24,999	25,000-100,000	Over 100,000
Mean	8.60	11.45	9.75	7.72	7.14	7.21	7.32	6.99	7.19
Standard Deviation	3.87	4.89	3.63	3.61	2.57	2.12	2.51	1.87	2.25
Minimum	0.90	0.90	3.26	1.04	1.59	5.14	2.06	5.05	4.94
Maximum	28.57	28.57	18.91	26.35	13.83	14.75	12.99	11.04	9.43
Number of Cities	211	40	39	51	29	21	21	8	2

Table 4 indicates that the mean for all cities is 10.7 lights per mile. The range of lights per mile is 0.5 to 48.1. A standard deviation of 5.7 indicates that about two-thirds of the cities are within (i.e., plus or minus) 5.7 lights of the 10.7 mean.

Table 4

LIGHTS PER MILE

Item	City Size Category								
	All Cities	Under 500	500-999	1,000-2,499	2,500-4,999	5,000-9,999	10,000-24,999	25,000-100,000	Over 100,000
Mean	10.69	7.93	9.34	9.85	12.09	11.99	14.66	16.20	15.64
Standard Deviation	5.70	5.02	3.99	6.86	4.24	2.84	6.38	3.81	4.23
Minimum	0.54	0.54	2.89	1.68	1.65	6.66	6.04	10.58	11.41
Maximum	48.10	26.28	19.73	48.10	19.80	17.27	30.38	21.41	19.06
Number of Cities	211	40	39	51	29	21	21	8	2

It also appears from examining the mean values that the number of lights per mile rises fairly steadily with city size. Again, this would be expected, as large cities with high population densities generally have higher streetlight density than more rural cities.

Each city can find its indicators in the alphabetical table in Appendix I-C.1 and compare them with the means and standard deviations for the indicators in its size class as shown in tables 3 and 4. A city that is significantly higher or lower than the mean of its size class may want to take a closer look at its streetlight system. It is important to remember that this is only a first-cut comparison, and no final decisions should be made without closer examination of the physical system in relation to the lighting interests of the city, city fiscal resources, etc.

Light Size Distribution

Streetlights are available in various light types (e.g., HPS vapor, mercury vapor, etc.) and in a range of sizes. There are two basic ways to define light size. The first is by the amount of power that the light requires measured in watts (e.g., 70 watts, 200 watts, 1,000 watts). The second is by its light output measured in lumens (e.g., 5,800 lumens, 20,500 lumens, 100,000 lumens).

Oregon's city streetlight inventory is broken down by specific light type, including wattage and lumens of each light type, in Table 5. The most widely used light in Oregon is 175-watt mercury vapor, representing over 38 percent of total inventory. The next four most widely used lights are all HPS vapor lights. Lighting with incandescent lights still represents about 1.5 percent of all lighting, even though

incandescents produce less than one-third the light per kilowatt hour than any other light type.

Table 5

LIGHT TYPE DISTRIBUTION

<u>Light Type</u>	<u>Lights</u>	<u>Percent of Total Rated</u>	<u>Lumens*</u>
Mercury vapor 175 watt	43,999	38.4%	7,000
HPS vapor 100 watt	22,635	19.8	9,500
HPS vapor 200 watt	11,065	9.7	22,000
HPS vapor 150 watt	9,215	8.1	16,000
HPS vapor 70 watt	8,299	7.2	5,800
Mercury vapor 400 watt	8,006	7.0	21,000
HPS vapor 400 watt	3,614	3.2	48,000
HPS vapor 250 watt	2,757	2.4	25,500
LPS vapor 90 watt	1,124	1.0	13,500
Incandescent 300 watt	757	0.7	4,000
Incandescent 182 watt	576	0.5	2,500
LPS vapor 55 watt	540	0.5	8,000
Mercury vapor 250 watt	505	0.4	10,000
LPS vapor 135 watt	440	0.4	22,500
Mercury vapor 1,000 watt	311	0.3	55,000
Incandescent 405 watt	150	0.1	6,000
Metal halide 1,000 watt	136	0.1	100,000
LPS vapor 180 watt	125	0.1	33,000
Mercury vapor 100 watt	82	0.1	4,000
Incandescent 92 watt	50	0.1	1,000
Metal halide 400 watt	34	0.1	34,000
Metal halide 250 watt	29	0.1	20,500
Metal halide 175 watt	18	0.1	14,000
Incandescent 690 watt	4	0.1	10,000
<u>Total**</u>	<u>114,471</u>	<u>100.0%</u>	

* Lumens shown here are PGE lumen figures. Figures differ some among utilities.

** Total does not equal 114,500 because size was not readily discernible on a small number of lights.

Energy-efficient lights have a greater light output per unit of power measured in lumens per watt. For instance, the most common streetlight today, the 175-watt mercury vapor light, produces approximately 7,000 lumens. These lights are being replaced by either 70-watt HPS vapor, which produce approximately 5,800 lumens, 100-watt HPS vapor, producing 9,500 lumens, or 55-watt LPS vapor, producing 8,000 lumens. Thus, replacing an existing light with a more efficient light provides comparable lighting levels while using only 30 to 60 percent of the energy. (Technical light comparisons are discussed in greater detail in the section beginning on page 25.)

Table 6 shows streetlight distribution by lumen size. The note to Table 6 contains a second table that shows groupings of lights of similar output and explains the method of deriving the lumen distribution table. Although some cities are using some lights that produce 100,000 lumens, over 94 percent of the lights used by cities produce less than 22,500 lumens. While almost half of the lights fall into 5,000 to 8,000 lumen range, these lights account for only one-quarter of the lumen output.

Table 6

STREETLIGHT DISTRIBUTION AND LUMEN OUTPUT
BY LUMEN SIZE

<u>Lumen Range</u>	<u>Lights</u>	<u>Percent Total</u>	<u>Lumens (1,000)</u>	<u>Percent Total</u>
1,000 - 4,000	1,383	1.2%	4,518	0.3%
5,000 - 8,000	52,988	46.3	361,346	25.2
9,500 - 16,000	33,501	29.3	367,740	25.6
20,500 - 22,500	19,540	17.1	422,044	29.4
25,000 - 34,000	2,916	2.5	75,583	5.3
48,000 - 55,000	3,925	3.4	190,574	13.3
100,000	136	0.1	13,600	0.9
Total	114,389	100.0%	1,435,406	100.0%

NOTE: Ranges are not contiguous, reflecting actual lumens of discrete light type for each range. Total lumens in each category were derived by multiplying the total lights by the weighted lumen estimates shown below.

<u>Lumen Range</u>	<u>Weighted Lumen Estimate</u>	<u>Light Types in This Range</u>
1,000 - 4,000	3,267	I92, I182, I300
5,000 - 8,000	6,819	H70, MV175, I405, L55
9,500 - 16,000	10,977	H100, H150, MV250, I690 L90, MH175
20,500 - 22,500	21,599	MV200, MV400, L135, MH250
25,000 - 34,000	25,920	H250, L180, MH400
48,000 - 55,000	48,554	H400, MV1,000
100,000	100,000	MH1,000

NOTE: I = incandescent; H = high pressure sodium vapor; L = low pressure sodium vapor; MH = metal halide; MV = mercury vapor. The weighted lumen estimates are based on the number of lights for each light type that fits into the respective lumen category. Lumen ratings vary among light manufacturers. The above estimates are based on lumen ratings for PGE-stocked lights.

Light Size Indicators

Other indicators for cities to check, which provide slightly different information than the lights per one hundred population and lights per mile, are lumens per capita and thousand lumens per mile. The difference between the latter indicators and the former indicators is that the lumen indicators take into account the size of the light, while the straight inventory indicators do not.

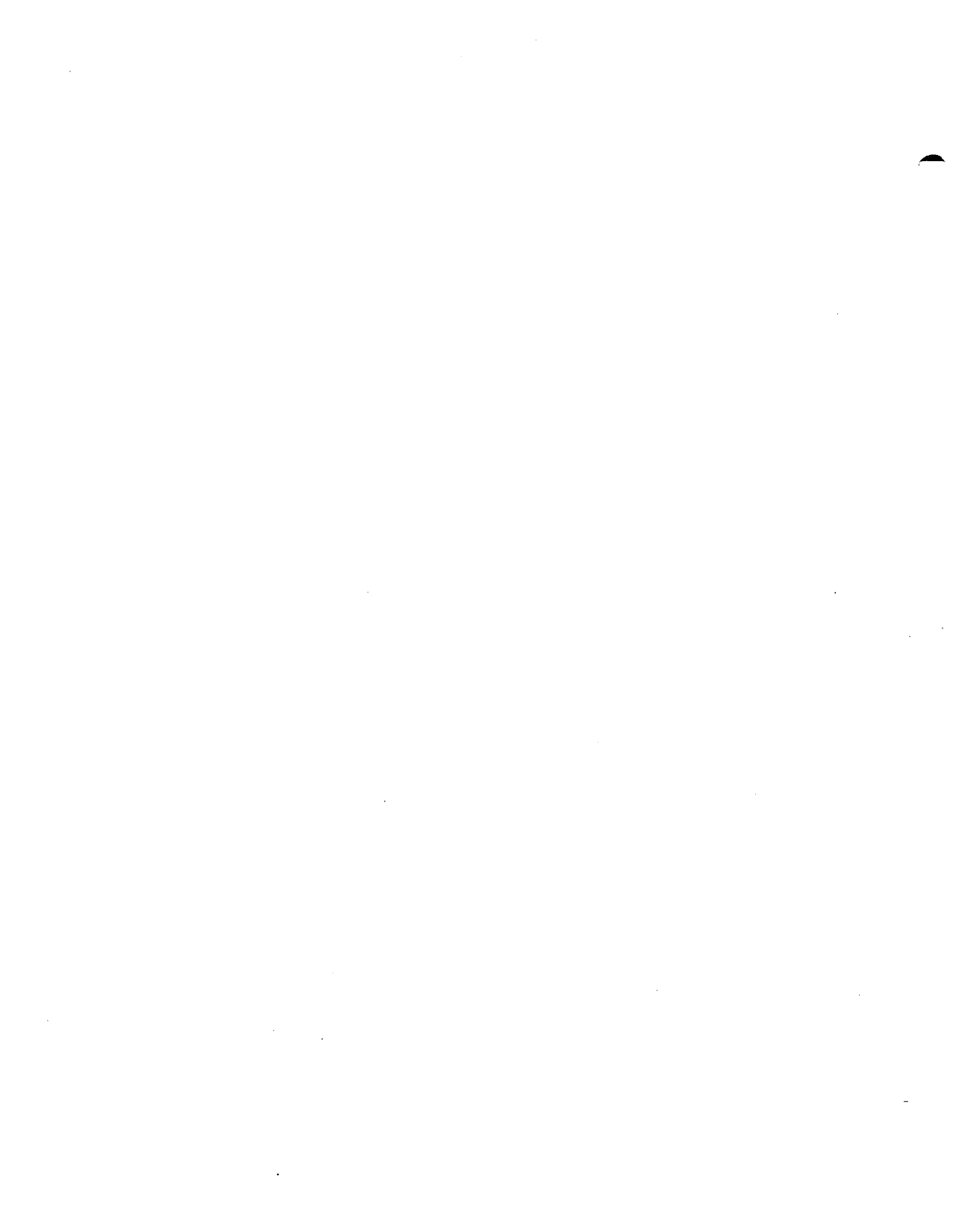
Total lumen figures were calculated by multiplying actual city inventories by the appropriate factors shown in Table 6 (see Appendix IV-A). Lumen indicators were derived by using the same mileage and population figures as described above. Indicators are listed for each city in appendixes IV-B.1 through IV-B.4 and are sorted alphabetically, by population, by lumens per capita, and by lumens per mile, respectively.

Each city can compare its indicators with other cities with similar characteristics. Table 7 shows the statistical summary of the two indicators for all cities. The mean lumens per capita is 935, while the mean thousand lumens per mile is 119.

Table 7

LUMEN DISTRIBUTION SUMMARY TABLE

<u>Item</u>	<u>Lumens Per Capita</u>	<u>Thousand Lumens Per Mile</u>
Mean	935	119
Standard Deviation	466	71
Minimum	61	4
Maximum	3,505	492



STREETLIGHT UTILITY PAYMENTS

In 1985 Oregon cities paid more than \$10 million in utility bills for streetlights, which included electricity costs, rental fees, maintenance fees, pole charges and some circuitry charges. When a utility owns and maintains streetlights, cities not only pay for electricity but also pay a monthly charge for renting and maintaining the equipment. Pole charges are generally assessed only when lights are placed on poles other than standard wood utility distribution poles. Unlike all other electricity-consuming end uses, most streetlights are not metered, but are charged a flat monthly amount based on estimated use.

The \$10 million figure pertains only to money that cities pay to utilities for streetlights. When maintenance on the streetlight system is provided by the city, costs such as labor and equipment are paid directly by the city. These additional city costs have not been factored into the analysis. Therefore, the \$10 million figure underestimates the total dollars spent on streetlights by Oregon cities by omitting expenditures for maintenance and capital expenditures incurred by some cities. However, it does include the entire energy component of streetlight expenditures, which is the primary objective of this study.

It was determined that energy accounts for about 53 percent of city streetlight payments to utilities; expenditures for operation and maintenance, roughly 37 percent; and pole charges, the remaining 10 percent. Expenditures are broken down into component parts for each city in Appendix II-D.1 and for utilities in Appendix II-D.2. A statewide summary is shown in Table 8.

Table 8

STREETLIGHT UTILITY PAYMENTS BY COMPONENT COST

Item	Amount	Percent
Energy	\$5,192,245	53%
Rental and Maintenance	3,589,145	37
Poles	1,001,724	10
Total*	\$9,783,114	100%

* Total cost does not equal \$10,159,608 because component costs could not be determined for every utility.

Total expenditures for each city were derived by multiplying each component of a city's inventory (e.g., 70-watt HPS vapor city owned and maintained, 175-watt mercury vapor utility owned and maintained) with the corresponding utility rates and then combining the components to build individual city expenditures. City expenditures were combined to derive the utility expenditure tables.

Cities in PGE's service territory spent approximately \$6 million on streetlights in 1985. In PP&L's service territory, cities spent approximately \$3 million for streetlights. A little over \$1 million was spent by cities served by the remaining twenty-two utilities. The fact that cities in PGE and PP&L's service territory account for almost 90 percent of the streetlight expenditures in 1985 with only 80 percent of the lights is related to the fact that these two utilities have a higher percentage of less efficient lights and a higher percentage of utility ownership than most of the other utilities. (See Appendix II-A.1.)

While the largest portion of city lighting stock is HPS vapor lights, the largest portion of expenditure is for mercury vapor lights. Again, this is related to the generally higher rates for mercury vapor lights compared to HPS vapor and the fact that most mercury vapor lights are utility owned and maintained.

Table 9

STREETLIGHT UTILITY PAYMENTS, BY LIGHT TYPE

<u>Item</u>	<u>Amount</u>	<u>Percent</u>
Mercury Vapor	\$ 4,958,740	48.8%
HPS Vapor	3,936,134	38.7
Other Lights	238,209	2.3
Poles	<u>1,026,526</u>	<u>10.1</u>
Total	\$10,159,608	100.0%

Over 55 percent of 1985 city streetlight utility payments were for lights that were owned and maintained by utilities. This percentage is significantly higher than the inventory that is utility owned and maintained (48 percent) (and would be even higher than 55 percent if the pole charges were factored out) due to the higher rates for lights in this ownership category. In contrast, lights that are city owned and maintained make up approximately 7 percent of annual utility payments, while they account for 17 percent of the inventory. (See Appendix II-A.3 for utility breakdown and Appendix II-B.3 for city breakdown.)

Table 10

STREETLIGHT UTILITY PAYMENTS, BY OWNERSHIP TYPE

<u>Item</u>	<u>Amount</u>	<u>Percent</u>
Utility Owned and Maintained	\$ 5,605,280	55.2%
City Owned and Utility Maintained	2,883,400	27.9
City Owned and Maintained	694,402	6.8
Poles	<u>1,026,526</u>	<u>10.1</u>
Total	\$10,159,608	100.0%

Streetlight Expenditure Indicators

To compare expenditure figures between cities, two indicators were developed--dollars per capita and hundred dollars per mile. Tables can be found with these indicators for each city in appendixes II-C.1 through II-C.4. These appendixes sort the information in alphabetical order, by city size, by dollars per capita, and by hundred dollars per mile.

The mean city expenditure per capita for streetlights during 1985 was \$8.22. The mean city expenditure per mile was \$1,030. However, since it is not useful for cities with different ownership arrangements to compare expenditure indicators, Appendix II-E divides the cities into three discrete lists, depending on the predominant ownership arrangement. Table 11 contains the statistical summary of the indicators for each ownership type.

Table 11

STREETLIGHT UTILITY PAYMENT INDICATORS

<u>Item</u>	<u>All Cities</u>		<u>Utility Owned and Maintained</u>		<u>City Owned and Utility Maintained</u>		<u>City Owned and Maintained</u>	
	<u>\$/Capita</u>	<u>\$60/ Mile</u>	<u>\$/Capita</u>	<u>\$100/ Mile</u>	<u>\$/Capita</u>	<u>\$100/ Mile</u>	<u>\$/Capita</u>	<u>\$100/ Mile</u>
Mean	8.22	10.30	8.67	10.65	6.97	13.43	2.86	5.08
Standard Deviation	4.08	6.19	3.91	6.01	2.49	6.92	2.07	3.73
Minimum	0.72	0.49	0.81	0.49	2.44	4.04	0.72	1.66
Maximum	29.95	49.05	29.99	49.05	9.11	22.07	8.36	13.60
Number of Cities	211	211	191	191	7	7	13	13

The mean dollars per capita were \$8.67 for cities where lights are predominantly owned and maintained by a utility, \$6.97 where lights are predominantly owned by the city but maintained by a utility, and \$2.86 where lights are owned and maintained by the city. The dollars per mile were \$1,065 for cities where lights are predominantly owned and maintained by a utility, \$1,343 where lights are owned by the city but maintained by a utility, and \$508 where lights are owned and maintained by the city.

STREETLIGHT ENERGY CONSUMPTION AND POWER REQUIREMENTS

Energy consumption and power requirements for Oregon's city street-light system were calculated based on the 114,500 light inventory and the rated wattage of each light. Lights were assumed to be in operation 4,200 hours a year (which is what PGE uses and is based on roughly twelve hours per day). The streetlights consumed approximately 86 million kilowatt hours of electricity during 1985 and required approximately 20.4 megawatts of power. These figures are for lights only and do not include energy use or power requirements attributed to line losses or lighting ballast operation. Line losses and ballast operation are generally assumed to add from 15 to 25 percent to both energy consumption and power requirement figures, depending on the light type. Using a 20 percent average, more accurate consumption and power requirements that include ballast and line losses are 103 million kilowatt hours and 24.4 megawatts.

Although there are currently more HPS vapor lights than mercury vapor lights in Oregon cities, mercury vapor lights require 54 percent of the power, while HPS vapor lights require 42 percent. Incandescent, LPS vapor, and metal halide lights combined require less than one megawatt of power and consume less than 5 percent of the streetlight energy.

Table 12

ENERGY CONSUMPTION AND POWER REQUIREMENTS,
BY LIGHT TYPE
1985

<u>Light Type</u>	<u>Energy Consumed (1,000 KWH)</u>	<u>Power Requirements (MW)</u>	<u>Percent</u>
Mercury Vapor	46,484	11.07	54%
HPS Vapor	36,013	8.58	42
Incandescent	1,680	0.40	2
LPS Vapor	893	0.21	1
Metal Halide	<u>672</u>	<u>0.16</u>	<u>1</u>
Total	85,743	20.42	100%

STREETLIGHT RATES

City streetlight utility payments are determined by the local streetlight inventory and the serving utility's streetlight rates. Each utility in Oregon has a different rate schedule for streetlights, which in theory reflects the utility's cost of electricity, capital costs, labor costs, profit margin, etc. To compute expenditures for each city, rates for every light type and size from each of the utilities were gathered. Table 13 shows streetlight rates for five of the most prevalent light types from eight select utilities. (Rates for all utilities can be found in Appendix V-A.)

Table 13

MONTHLY STREETLIGHT RATE PROFILE, BY LIGHT TYPE AND OWNERSHIP
(Selected Utilities, Common Lights)
1985

Light Type/ Ownership*	Private Utilities			Public Utilities			
	FGE	PP&L	CP National	Lincoln FUD	EWEB	Northern Wasco	City of Ashland
HPS Vapor							
70 Watt							
A	\$ 6.06	\$ 6.57	—	—	—	\$ 4.85	—
B	3.84	—	—	—	—	—	—
C	1.73	1.68	\$ 1.30	—	\$0.64	—	\$0.57
HPS Vapor							
100 Watt							
A	6.98	7.57	8.61	\$7.50	—	—	—
B	4.59	—	—	—	—	—	—
C	2.42	2.39	1.86	—	0.78	—	0.81
HPS Vapor							
200 Watt							
A	9.84	11.31	10.35	8.30	—	7.71	—
B	6.95	—	—	4.60	—	—	—
C	4.72	4.62	3.63	1.30	1.57	—	1.56
Mercury Vapor							
175 Watt							
A	8.13	6.98	9.03	—	—	7.30	—
B	5.99	—	—	—	—	—	—
C	4.15	4.13	3.02	—	1.37	—	—
Mercury Vapor							
400 Watt							
A	13.12	12.58	14.65	—	—	10.92	—
B	10.85	—	—	—	—	—	—
C	8.92	9.35	6.78	—	3.14	—	—

* A = utility owned and maintained; B = city owned and utility maintained;
C = city owned and maintained.

Several of the utilities do not offer a full range of streetlight ownership options. For instance, Northern Wasco PUD does not have rates for city ownership or city maintenance of lights. EWEB and the city of Ashland offer only schedule C (energy-only) rates. The two largest private utilities, PGE and PP&L, offer a full range of rate options for all light types. However, PP&L's schedule B rates are not shown because they are not uniform throughout the utility's service territory, and PGE only allows schedule C option lights in certain circumstances.

Similarly, not all utilities offer every light type and light size. Both Lincoln PUD and the city of Ashland, having converted all of their mercury vapor lights to HPS vapor, no longer offer rates for mercury vapor lights. Northern Wasco does not offer a 100-watt HPS vapor, although it does offer other HPS vapor lights. Lincoln PUD and several other utilities not shown in the table offer 100-watt HPS vapor lights, but not the more efficient and less expensive 70-watt HPS vapor lights. None of the utilities offer 50-watt HPS vapor lights, which are commercially available and recommended as replacements for certain incandescent lights.

For smaller wattage lights (i.e., 70- and 100-watt HPS vapor), the schedule C rates are approximately 25 to 33 percent of the schedule A rates for all utilities that offer both options. For larger lights (i.e., 400-watt mercury vapor) the schedule C rate is 45 to 75 percent of the schedule A rate. This relative change occurs because, as the light gets bigger, the energy component of the schedule A rates becomes larger in comparison to capital and maintenance costs.

There is a considerable difference between public and private utility rates shown in Table 13. Generally, public utilities' rates are less than those of private utilities. The primary reason for the difference is the lower electricity rates that publicly owned utilities have compared to private utilities. For instance, the highest rate for a schedule C light serviced by a public utility is less than half the lowest private utility rate for each of the lights shown. For schedule A lights, where energy becomes a smaller component of the monthly charge, the rates are somewhat closer; however, public utility rates are usually less expensive.

The two largest utilities, PGE and PP&L, have fairly similar rates for all lights on schedule C. PGE's schedule C rates are slightly higher than PP&L's for every light except 400-watt mercury vapor. However, for schedule A lights that include capital and maintenance costs, PP&L's rates are significantly higher than PGE's for all HPS vapor lights, while PP&L's rates are significantly higher for mercury vapor lights. This is due to the different methods used by each utility for cost accounting and charges for labor and overhead. (See Table 18 for both utilities' HPS vapor installed cost component charges.)

One strong disincentive for cities that want to convert their 175-watt mercury vapor streetlights to HPS vapor lights in PP&L's service territory is that cities often will pay more for using more efficient lights. According to PP&L's rates, a city would be able to reduce its \$6.92 per month charge for a 175-watt mercury vapor only by converting to a 70-watt HPS vapor at \$6.57 per month, but could not profit by converting to the more popular 100-watt HPS vapor, which would cost \$7.57 per month.

Most city streetlights are mounted on standard wood utility distribution poles. Cities are not generally assessed an additional fee for these poles. However, cities are charged monthly fees for utility owned and maintained poles that are used for the purpose of streetlights only. Streetlight poles come in a wide variety of types and sizes, ranging from inexpensive wooden poles to more expensive metal poles. Like lights, streetlight-only poles are assessed a rental and maintenance fee. Statewide, city streetlight pole charges account for approximately 10 percent of total streetlight utility payments. These costs range from 0 to 36.85 percent of total streetlight utility payments. (See Appendix II-B.1 to Appendix II-B.3.)

Utility pole charges vary. In some cases (e.g., PP&L), the pole charge is combined with the streetlight charge, and each light type and size has a different rate for each type of pole. Other utilities (e.g., PGE) charge cities discrete fees for each type of streetlight pole and add them to the cities' overall streetlight bill.

Streetlight Rate Trends

Ten-year rate histories for each type of light were gathered from each utility. Appendix V-C shows the ten-year histories for the five largest utilities for five select lights. This table indicates that some utilities have only recently begun service for HPS vapor lights, and Idaho Power discontinued mercury vapor service altogether in 1982. PGE is the only utility that has provided most types of lights under all ownership arrangement during the past decade.

Annual escalation rates were derived at the bottom of each of the history columns in the Appendix. Table 14 shows PGE's streetlight escalation rates. PGE is a good example because it has offered a full range of light types and ownership arrangements longer than any other utility and because it serves a majority of Oregon cities' streetlights. For lights that are owned and maintained by the city, escalation rates ranged from 6 percent per year for 70-watt HPS vapor lights to 13 percent per year for 400-watt mercury vapor lights. Lights owned by the city but maintained by a utility escalated from 2.5 to 12.5 percent per year. Lights that were owned and maintained by a utility escalated from 0.5 to 9.5 percent per year during the past decade.

Table 14

PGE'S ANNUAL ESCALATION IN STREETLIGHT RATES
BY OWNERSHIP TYPE
1976-1985

Light Type	Utility Owned and Maintained	City Owned and Utility Maintained	City Owned and Maintained
70 HPS*	0.57%	2.63%	6.05%
100 HPS*	1.43	3.42	7.06
200 HPS**	5.87	6.33	6.31
175 MV	8.86	9.90	11.24
400 MV	9.63	11.42	12.78

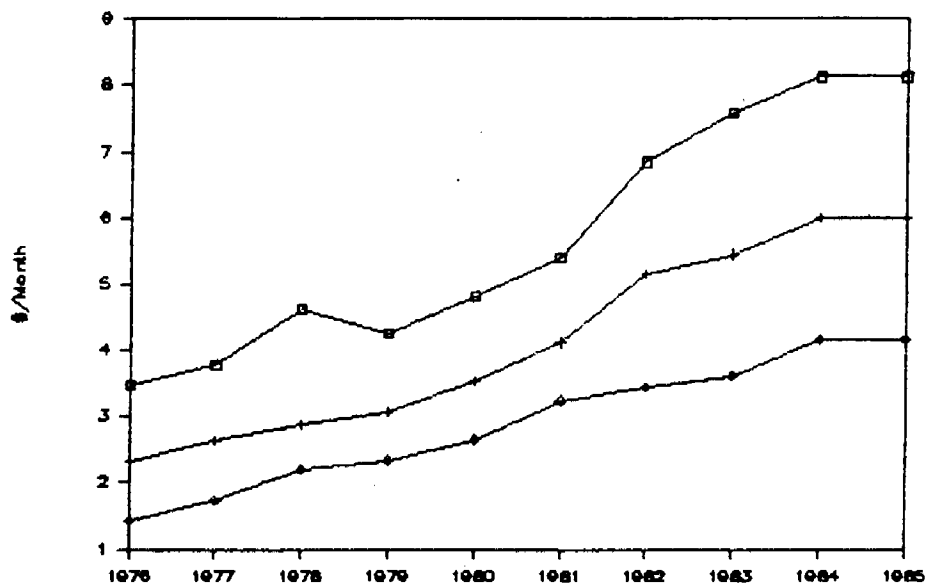
* 1977-1985.

** 1979-1985.

Figure 1 shows PGE's ten-year rate history for all three types of ownership arrangements for 175-watt mercury vapor lights. The graph clearly shows that all three rates have risen significantly over the past decade. The rate for 175-watt mercury vapor lights that are owned and maintained by PGE rose from \$3.48 per month in 1976 to \$8.13 per month in 1985. During the same period, the rate for energy only (owned and maintained by the city) for the same light rose from \$1.43 per month to \$4.15 per month.

Figure 1

PGE 175-WATT MV RATE HISTORY



plus = city owned and utility maintained; diamond = city owned and maintained; square = utility owned and maintained

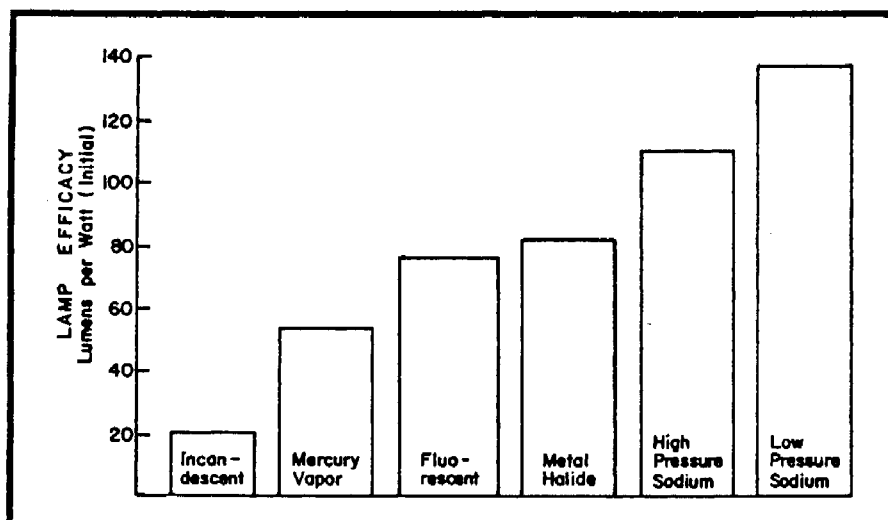
STREETLIGHT TECHNOLOGY

Over the last two decades, significant improvements in lighting technology have enabled cities to use more efficient streetlights that can produce similar lighting levels with less electricity consumption. As a result of these improvements, cities have replaced most of their incandescent lights with mercury vapor lights. More recently, cities and utilities have begun to replace the mercury vapor lights with the even more efficient HPS and LPS vapor lights.

Light efficiency is rated in lumens per watt, which is basically the amount of light produced by a light per unit of electricity. Figure 2 shows the relative efficiency of various light types used for streetlights. There is obviously a big difference between the least efficient incandescent lights, which produce from 10 to 25 lumens per watt, and the most efficient LPS vapor lights, which produce as much as 180 lumens per watt. The most common light types mercury vapor and HPS vapor, produce roughly 50 lumens per watt and 110 lumens per watt, respectively.

Figure 2

EFFICIENCY OF VARIOUS LIGHTS



SOURCE: "Energy Conservation Through the Use of More Efficient Outdoor Lighting," Public Works (January 1980).

As indicated in Table 15, high efficiency translates directly into low operating costs. LPS vapor, HPS vapor, and metal halide lights all have below average operating costs. Higher efficiency lights also tend to last longer. While incandescent lights are estimated to last only 3,000 to 6,000 hours, HPS vapor lights can last up to 24,000 hours and LPS vapor lights as long as 18,000 hours. Mercury vapor lights typically last from 16,000 to 24,000 hours. Under normal burn conditions of roughly 4,200 hours, an HPS light should burn every night for five or six years before it needs to be replaced.

Table 15

STREETLIGHT CHARACTERISTICS

<u>Light Type</u>	<u>Lumens/ Watt</u>	<u>Rated Lifetime (000 hrs)</u>	<u>Operating Costs</u>	<u>Initial Capital Investment</u>	<u>Color & Features</u>
Incandescent	10-25	3-6	High	Lowest	White, Broad Spectrum
Mercury Vapor	30-65	16-24	Average	Low	Bluish-White, Wide Spectrum
Fluorescent	45-100	9-12	Average	Average	White, Broad Spectrum
Metal Halide	80-125	7.5-20	Below Average	Above Average	White, Broad Spectrum
High-Pressure Sodium	65-140	24	Low	Average	Golden-Yellow, Wide Spectrum
Low-Pressure Sodium	100-183	18	Lowest	Average	Yellow, Narrow Spectrum

SOURCE: Michael Bergman, "Streetlights Providing New Challenges, Energy Savings," Public Power (March-April 1984).

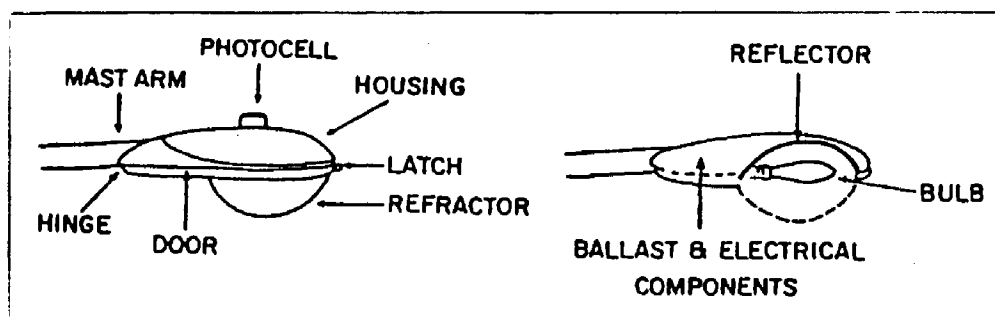
Use of high-efficiency lights also results in longer preservation of light intensity. While the lumen output of LPS vapor lights is maintained over the lifetime of the fixture, the lumen output of mercury vapor lights decreases 25 to 50 percent. HPS vapor lights fall between the two, decreasing up to 25 percent. Performance of these lights also depends on how well they are maintained. Although accumulation of dirt on fixtures does not necessarily reduce the life of the light, it can reduce light output by up to 40 percent. Routine streetlight maintenance gives cities the most from their streetlight dollars.

Low-efficiency lights cannot be replaced by high-efficiency lights without replacing the fixtures. (Note: The only exception is the new screw-in fluorescent tube that can fit in an incandescent socket, but it is primarily for indoor use.) High-efficiency streetlight fixtures not only include lights and light housing but also special ballasts that energize the lights. These ballasts also require

energy. Ballasts can add an additional 7 to 25 percent to the power requirement, depending on the light size and type. Generally, power requirements are proportionately greater for ballasts on small fixtures than for those on large fixtures.

Figure 3

STREETLIGHT ANATOMY



Ballasts are present in all high intensity discharge (HID) fixtures (i.e., mercury vapor, LPS vapor, HPS vapor). Their purpose is to regulate the amount of current to the light. Specifically, ballasts provide proper starting conditions, limit current during operation, and adapt the light to a variety of volts. Without the resistance that ballasts provide, the current would increase and the lights would be destroyed.

The amount of energy used by ballasts varies among different light types and sizes. Generally, ballasts use 15 to 25 percent of the energy. However, common HPS ballasts use from 10 to 35 percent and MV ballasts from 16 to 25 percent. (Calculated from PGE and PP&L monthly average consumption information.) Ballasts for LPS lights account for up to 71 percent of the lights' energy use. (North Florida Planning Council.) Recent improvements in ballast technology have produced electronic ballasts that require only 5 percent of a light's energy consumption.

Care should be taken in choosing ballasts. Ballasts must be matched to appropriate light types and manufacturers' specifications to avoid high ballast losses and premature light failures. Cities should consider converting to high-efficiency ballasts when retrofitting or replacing fixtures.

Many streetlights are controlled by photocells. Photocells are sensors that turn streetlights on and off, depending on the level of ambient light. Use of photocells to control streetlight burning time simplifies the control process and ensures that lights are off when natural lighting is sufficient. However, like fixtures, photocells need periodic cleaning for proper operation.

The types of HID lights are visually identified by the different colors of light they emit. Colors include the bluish-white of mercury vapor, yellow of LPS vapor, and peach of HPS vapor. While both mercury vapor and HPS vapor lights render a wide spectrum of colors similar to incandescents, LPS vapor lights offer a narrow spectrum, which renders most colors gray and brown. The yellow appearance and poor color rendition of LPS vapor lights have resulted in resistance to their wide-scale use. However, LPS lights are used by the city of Springfield and numerous California cities, including San Jose and Long Beach. In California, proliferation of streetlights has caused a great deal of light pollution. Light pollution is bothersome to observatories, and LPS vapor lights are astronomers' preference because their narrow color spectrum is more easily filtered than light from HPS vapor or mercury vapor lights.

OPTIONS FOR REDUCING ENERGY-RELATED STREETLIGHT EXPENDITURES

Streetlights are generally the largest energy-related city expenditure. Over the past decade, most Oregon cities' annual streetlight expenditure more than doubled. However, as streetlight expenditure requirements rose, city revenue sources became increasingly restricted. As a result, many Oregon cities are actively pursuing various methods to provide adequate streetlighting within a reasonable budget.

Regardless of whether a city wants to shelter itself from future streetlight expenditure escalation, reduce its expenditure immediately by a given percentage or dollar amount, or, as in the case of the city of Umatilla, cope with a failed streetlight levy, there are a variety of approaches that can be examined to reduce streetlight expenditure. These approaches include:

Delamping--Temporary or permanent removal of selected streetlights.

Conversion--Replace existing lights with more energy-efficient ones (e.g., replace mercury vapor with HPS vapor lights).

System Purchase--Buy system from utility. City can maintain system or have utility continue maintenance.

Other Options:

Reduction of Operating Hours--Decrease the hours of streetlight operation to a portion of the night instead of from dawn to dusk.

System Redesign--Possible reconfiguration of the system (i.e., reduce lumens for a given location, or replace several small lights with one large light).

Each of these options is discussed in greater detail in the following sections. Brief case studies are used to illustrate particular options. Selecting the appropriate option for a particular city depends on numerous factors, including present streetlight inventory, utility rate structure, local needs and perceptions regarding streetlights, city expertise (for ownership and maintenance considerations), and city budget constraints.

Streetlight Options Table

Table 16 illustrates several options available to cities to reduce streetlight expenditure. If a city has accomplished certain tasks, such as converting to more efficient lights or purchasing the streetlight system, "AC" (already accomplished) is used in the (\$) column

and a 0.0 percent in the percent-saved column. Each calculation was made by using the actual streetlight rates for the serving utility. When rates were not readily discernible (e.g., city owned and utility maintained rates for numerous utilities), NA (not available) was used in both the (\$) and the percent-saved columns. A dash is used when the option is not applicable, as is the case for the "city owns, utility maintains" option when the city already owns and maintains the system.

The first column displays the current annual streetlight expenditure for each city. For cities with more than one serving utility, both expenditures are displayed on separate lines. The remaining dollar columns represent the new annual dollar expenditure after a particular option has been exercised, with the percent saved shown immediately to the right.

The first two options are for permanent delamping of 10 and 20 percent of existing streetlights. These calculations assume that streetlights are removed proportionately across all light types and light sizes. The next two options display the potential savings to a particular city from purchasing streetlights from the utility. In the first case, the city owns the lights, but the utility continues to maintain them. In the second case, the city both owns and maintains the lights.

Conversion to HPS vapor assumes that all 175-watt mercury vapor lights are converted to 100-watt HPS vapor lights, not to 70-watt HPS vapor lights, which would save cities significantly more dollars. A negative sign in the conversion percent-saved column indicates that annual expenditure would actually increase by conversion to more efficient lights. Conversion is discussed in detail in the conversion section beginning on page 39.

It should be noted that this table displays only the annual utility expenditure. It does not take into account initial expenditure that might be required to delamp, convert to HPS vapor, or purchase all or a portion of the streetlight system. Nor does the table take into consideration the fact that if a city purchases the streetlight system, some of the maintenance and/or replacement costs will be transferred from the utility to the city. All these costs vary significantly between utilities and cities and are discussed in greater detail in the following sections.

Since a city might prefer a combination of options, the combined-option column should be considered by cities as more or less the upper bound on potential savings. This option assumes that the city removes 20 percent of the lights, owns and maintains the system, and converts all lights to HPS vapor. The only way a city could decrease its annual expenditures further would be to substitute 70-watt HPS vapor lights for 100-watt HPS vapor lights, convert to LPS vapor instead of HPS vapor, or remove more than 20 percent of the lights.

Table 16

CITY STREETLIGHT OPTIONS

City	Annual Expenditure (\$)	Delamo 10 percent (\$)	Delamo 20 percent (\$)	Purchase Utility Maintains		Purchase City Maintains		Convert To HPS		Combined Option		Utility
				(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	
ADAIR	\$3,653	\$3,288	\$2,923	NA	NA	NA	NA	\$5,524	-51.2%	NA	NA	C. POWER
ADAMS	2,500	2,250	2,000	NA	NA	1,330	46.8%	2,520	-0.8%	629	74.8%	PP&L
ADRIAN	985	814	724	505	44.1%	NA	NA	AC	0.0%	NA	NA	IDAHO
ALBANY	315,529	283,976	252,423	NA	NA	174,688	44.6%	315,836	-0.1%	91,629	71.0%	PP&L
ALBANY	4,693	4,223	3,754	NA	NA	NA	NA	5,735	-22.2%	NA	NA	C. POWER
AMITY	10,791	9,712	8,633	7,150	33.7%	5,214	51.7%	9,202	14.0%	2,483	77.0%	PGE
ARLINGTON	7,396	6,657	5,917	NA	NA	3,219	56.5%	7,788	-5.3%	1,845	75.1%	PP&L
ASHLAND	16,109	14,498	12,887	—	—	AC	0.0%	AC	0.0%	12,887	20.0%	ASHLAND
ASTORIA	93,746	84,371	74,997	NA	NA	55,183	41.1%	81,245	13.3%	23,112	75.3%	PP&L
ATHENA	12,594	11,335	10,076	NA	NA	8,115	35.6%	13,200	-5.4%	3,701	70.6%	PP&L
AUMSVILLE	11,852	10,667	9,482	NA	NA	6,759	43.0%	11,408	3.7%	3,071	74.1%	PP&L
AURORA	7,619	6,857	6,095	5,661	25.7%	4,137	45.7%	6,302	16.2%	1,934	74.6%	PGE
BAKER	28,025	25,223	22,420	—	—	AC	0.0%	25,816	7.9%	20,653	26.3%	CP&ATL
BANDON	19,485	17,537	15,588	—	—	AC	0.0%	12,781	34.4%	10,225	47.5%	BANDON
BANKS	6,034	5,431	4,828	4,415	26.8%	3,378	44.0%	4,914	18.6%	1,488	75.3%	PGE
BARLOW	1,561	1,485	1,249	1,150	26.3%	797	49.0%	1,340	14.1%	372	76.2%	PGE
BAY CITY	10,380	9,342	8,304	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
BEAVERTON	360,343	324,309	288,275	184,001	48.9%	131,523	63.5%	331,273	8.1%	72,322	79.9%	PGE
BEND	125,010	112,509	100,000	NA	NA	65,451	47.6%	103,177	17.5%	27,795	77.8%	PP&L
BEND	NA	NA	NA	NA	NA	NA	NA	AC	0.0%	NA	NA	C. E.
BONANZA	3,534	3,100	2,827	NA	NA	1,861	47.3%	3,767	-6.6%	937	73.5%	PP&L
BROWNSVILLE	9,419	8,477	7,535	NA	NA	5,026	46.6%	10,448	-10.9%	2,782	70.5%	PP&L
BURNS	6,675	6,008	5,340	NA	NA	1,474	77.9%	AC	0.0%	1,551	76.8%	CP&ATL
BUTTE FALLS	3,241	2,917	2,593	NA	NA	1,797	44.6%	3,416	-5.4%	852	73.7%	PP&L
CANBY	13,589	12,230	10,871	—	—	AC	0.0%	AC	0.0%	10,871	20.0%	CANBY
CANNON BEACH	13,841	12,457	11,073	NA	NA	8,433	39.1%	13,430	3.0%	3,164	77.1%	PP&L
CANYON CITY	8,760	7,891	7,014	NA	NA	2,106	76.0%	8,631	1.6%	1,570	82.1%	CP&ATL
CANYONVILLE	7,409	6,668	5,927	NA	NA	3,900	47.2%	7,822	-5.6%	2,217	70.1%	PP&L
CARLTON	12,078	10,870	9,662	8,943	26.0%	6,427	46.8%	10,072	16.6%	2,908	75.9%	PGE
CAVE JUNCTION	3,079	2,771	2,463	—	—	AC	0.0%	1,902	38.2%	1,522	50.6%	PP&L
CENTRAL POINT	35,414	31,873	28,331	NA	NA	20,700	41.5%	33,844	4.4%	9,299	73.7%	PP&L
CHILOQUIN	9,396	8,456	7,516	NA	NA	5,347	43.1%	9,169	2.4%	2,417	74.3%	PP&L
CLATSKANIE	4,686	4,217	3,749	—	—	AC	0.0%	2,594	44.6%	2,075	55.7%	CLATSKANIE
COBURG	8,133	7,319	6,506	NA	NA	5,211	35.9%	7,617	6.3%	2,350	71.1%	PP&L
COLUMBIA CITY	1,181	1,063	945	NA	NA	658	44.3%	AC	0.0%	526	55.5%	CRIVER
COLUMBIA CITY	5,227	4,704	4,182	5,131	1.8%	3,512	32.8%	4,113	21.3%	1,715	67.2%	PGE
CONDON	6,288	5,659	5,030	NA	NA	NA	NA	AC	0.0%	NA	NA	C. BASIN
COOS BAY	97,981	88,183	78,385	NA	NA	55,336	43.5%	98,922	-1.0%	30,171	61.0%	PP&L
COQUILLE	41,071	36,964	32,857	NA	NA	19,943	51.4%	42,056	-2.4%	11,983	70.8%	PP&L
CORNELIUS	31,065	27,958	24,852	21,604	30.5%	15,466	50.2%	26,175	15.7%	7,185	76.9%	PGE
CORVALLIS	220,571	198,514	176,457	NA	NA	110,316	50.0%	219,351	0.6%	67,094	69.6%	PP&L
CORVALLIS	16,165	14,549	12,932	NA	NA	NA	NA	17,486	-8.2%	NA	NA	C. POWER
COTTAGE GROVE	50,151	45,136	40,121	NA	NA	27,268	45.6%	45,731	8.8%	12,949	74.2%	PP&L
COVE	3,879	3,492	3,104	NA	NA	856	77.9%	3,824	1.4%	571	85.3%	CP&ATL
CRESWELL	11,365	10,228	9,092	NA	NA	5,973	47.4%	11,460	-0.8%	3,169	72.1%	PP&L
DALLAS	50,416	45,374	40,333	NA	NA	29,027	42.4%	48,818	3.2%	13,562	73.1%	PP&L
DAYTON	9,934	8,941	7,947	7,400	25.5%	5,208	47.6%	8,422	15.2%	2,447	75.4%	PGE
DAYVILLE	3,600	3,240	2,880	NA	NA	677	81.2%	AC	0.0%	601	83.3%	CP&ATL

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				(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	
DEPOE BAY	5,690	5,121	4,552	NA	NA	656	88.5%	AC	0.0%	525	90.8%	LINCOLN
DETROIT	6,854	6,168	5,483	NA	NA	NA	NA	10,090	-47.2%	NA	NA	C. POWER
DONALD	3,538	3,185	2,831	2,516	28.9%	1,743	50.7%	3,855	13.7%	813	77.0%	PGE
DUFUR	6,352	5,717	5,081	NA	NA	NA	NA	NA	NA	NA	NA	NWASCO
DUNDEE	10,164	9,147	8,131	6,573	35.3%	4,216	58.5%	9,157	9.9%	2,186	78.5%	PGE
DUNES CITY	5,728	5,155	4,582	NA	NA	582	89.8%	AC	0.0%	466	91.9%	LINCOLN
DURHAM	6,315	5,684	5,052	5,482	13.2%	3,832	39.3%	5,086	19.5%	1,813	71.3%	PGE
EAGLE POINT	20,138	18,124	16,110	NA	NA	10,360	48.6%	20,004	0.3%	5,281	73.8%	PP&L
ECHO	6,897	6,288	5,518	NA	NA	3,856	44.1%	6,885	0.2%	1,791	74.0%	PP&L
ELGIN	18,050	16,245	14,440	NA	NA	3,283	81.8%	AC	0.0%	2,787	84.6%	CPNATL
ENTERPRISE	15,866	13,560	12,053	NA	NA	7,175	52.4%	15,633	-3.8%	4,149	72.5%	PP&L
ESTACADA	16,881	14,473	12,865	11,659	27.5%	8,571	46.7%	13,268	17.5%	3,964	75.3%	PGE
EUGENE	76,386	68,676	61,045	—	—	AC	0.0%	AC	0.0%	61,045	20.0%	EWEB
FAIRVIEW	11,665	10,498	9,332	9,188	21.2%	6,619	43.3%	9,745	16.5%	3,231	72.3%	PGE
FALLS CITY	4,293	3,864	3,434	NA	NA	2,618	39.0%	4,423	-3.0%	1,190	72.3%	PP&L
FLORENCE	28,704	25,834	22,963	NA	NA	3,154	89.0%	AC	0.0%	2,523	91.2%	LINCOLN
FOREST GROVE	17,340	15,686	13,872	—	—	AC	0.0%	AC	0.0%	13,872	20.0%	FOREST GR
FOSSIL	3,680	3,240	2,800	NA	NA	NA	NA	AC	0.0%	NA	NA	C. BASIN
GARIBALDI	6,756	6,088	5,485	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
GASTON	5,887	4,886	4,085	3,811	23.9%	2,828	43.7%	4,128	17.7%	1,274	74.6%	PGE
GATES	4,287	3,786	3,365	NA	NA	1,837	56.3%	4,234	-0.6%	1,218	71.0%	PP&L
GEARHART	8,691	7,822	6,953	NA	NA	5,351	38.4%	9,017	-3.7%	2,072	76.2%	PP&L
GERVAIS	6,988	6,282	5,584	4,855	30.4%	3,179	54.5%	6,221	10.9%	1,638	76.7%	PGE
GLADSTONE	37,697	33,927	30,157	34,585	8.3%	23,467	37.7%	30,583	19.1%	11,755	68.8%	PGE
GLENDALE	7,794	7,015	6,235	NA	NA	4,884	38.4%	8,510	-9.2%	1,915	75.4%	PP&L
GOLD HILL	6,198	5,571	4,952	NA	NA	2,136	65.5%	AC	0.0%	1,787	72.4%	PP&L
GRANTS PASS	138,987	117,816	104,726	NA	NA	72,481	44.6%	114,184	12.8%	32,061	75.5%	PP&L
GRASS VALLEY	2,894	1,885	1,675	NA	NA	1,240	40.8%	2,271	-8.5%	574	72.6%	PP&L
GRESHAM	326,162	293,546	268,938	210,081	35.6%	144,681	55.7%	291,328	10.7%	76,622	76.5%	PGE
HAINES	3,484	3,135	2,787	NA	NA	1,338	61.8%	3,479	0.1%	625	82.1%	CPNATL
HALFWAY	3,858	2,752	2,447	1,929	36.9%	NA	NA	2,978	2.6%	NA	NA	IDAHO
HALSEY	7,482	6,734	5,986	NA	NA	5,312	29.0%	6,849	8.5%	1,638	78.1%	PP&L
HAMMOND	4,668	4,281	3,734	NA	NA	2,927	37.3%	5,272	-12.9%	1,228	73.9%	PP&L
HARRISBURG	13,878	11,770	10,462	NA	NA	7,888	39.7%	12,478	4.6%	3,642	72.2%	PP&L
HELIX	1,715	1,543	1,372	NA	NA	992	42.1%	1,817	-5.9%	1,238	27.8%	PP&L
HEPPNER	8,442	7,598	6,754	NA	NA	NA	NA	AC	0.0%	NA	NA	C. BASIN
HEMISTON	49,967	44,978	39,974	NA	NA	24,599	58.8%	51,654	-3.4%	13,435	73.1%	PP&L
HILLSBORO	338,819	304,217	270,415	161,369	52.3%	113,485	66.5%	307,739	9.0%	56,735	83.2%	PGE
HINES	18,847	9,762	8,678	NA	NA	1,978	81.8%	AC	0.0%	1,669	84.6%	CPNATL
HOOD RIVER	13,188	11,797	10,486	NA	NA	9,767	25.5%	12,186	7.6%	2,854	78.2%	PP&L
HUBBARD	16,428	14,778	13,136	10,571	35.6%	7,425	54.8%	14,333	12.7%	3,513	78.6%	PGE
HUNTINGTON	5,187	4,668	4,149	3,178	38.9%	NA	NA	5,866	2.3%	NA	NA	IDAHO
IDAHO	2,967	2,678	2,374	NA	NA	NA	NA	4,263	-43.7%	NA	NA	C. POWER
IMBLER	2,865	2,578	2,292	NA	NA	744	74.0%	2,884	2.1%	529	81.5%	CPNATL
INDEPENDENCE	24,849	21,644	19,239	NA	NA	14,171	41.1%	22,611	6.0%	6,141	74.5%	PP&L
IONE	2,138	1,917	1,784	NA	NA	NA	NA	AC	0.0%	NA	NA	C. BASIN
ISLAND CITY	4,689	4,228	3,751	NA	NA	1,176	74.9%	4,578	2.4%	713	84.8%	CPNATL
JACKSONVILLE	11,288	10,152	9,024	NA	NA	3,826	66.1%	11,582	-2.0%	2,655	76.5%	PP&L

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JEFFERSON	7,855	7,069	6,284	NA	NA	4,055	48.4%	8,220	-4.7%	2,005	74.5%	PP&L
JOHN DAY	17,345	15,610	13,876	NA	NA	4,231	75.6%	17,088	1.5%	3,307	88.9%	CPNATL
JOHNSON CITY	1,863	1,676	1,490	1,837	1.4%	1,793	3.7%	1,126	39.5%	836	55.1%	PGE
JORDAN VALLEY	1,721	1,549	1,377	1,026	40.4%	NA	NA	1,670	2.9%	NA	NA	IDAMO
JOSEPH	3,192	2,873	2,554	NA	NA	1,005	68.5%	AC	0.0%	804	74.8%	PP&L
JUNCTION CITY	25,188	22,597	20,006	NA	NA	14,842	48.9%	25,017	0.4%	6,860	72.7%	PP&L
KEIZER	5,933	5,339	4,746	4,942	16.7%	4,292	27.7%	3,755	36.7%	1,716	71.1%	PGE
KEIZER	48,495	36,446	32,396	15,064	62.8%	10,000	75.3%	AC	0.0%	8,006	80.2%	S.E.
KING CITY	2,299	2,069	1,840	1,787	22.3%	1,507	34.4%	1,703	26.0%	631	72.5%	PGE
KLAMATH FALLS	103,623	93,260	82,898	NA	NA	68,039	34.3%	98,393	5.0%	36,211	65.1%	PP&L
LA FAYETTE	12,359	11,123	9,887	8,494	31.3%	6,100	50.6%	10,576	14.4%	2,834	77.1%	PGE
LAGRANDE	72,898	65,688	58,319	NA	NA	15,589	78.7%	72,314	0.8%	12,290	83.1%	CPNATL
LAKE OSWEGO	200,357	187,522	166,686	183,974	11.7%	130,556	37.3%	163,152	21.7%	62,458	70.0%	PGE
LAKEVIEW	9,856	8,870	7,885	NA	NA	1,849	89.4%	AC	0.0%	839	91.5%	LINCOLN
LAKEVIEW	26,002	23,402	20,802	NA	NA	12,003	53.8%	26,047	-0.2%	7,022	73.0%	PP&L
LEBANON	4,411	3,970	3,528	NA	NA	NA	NA	6,247	-41.6%	NA	NA	C.POWER
LEBANON	71,957	64,761	57,565	NA	NA	43,660	39.3%	66,917	7.0%	20,802	71.1%	PP&L
LEXINGTON	1,524	1,372	1,219	NA	NA	NA	NA	AC	0.0%	NA	NA	C.BASIN
LINCOLN CITY	106,402	95,762	85,121	NA	NA	55,389	47.9%	109,044	-2.5%	35,171	66.9%	PP&L
LONE ROCK	153	138	122	NA	NA	NA	NA	AC	0.0%	NA	NA	C.BASIN
LONG CREEK	5,221	4,699	4,177	NA	NA	946	81.9%	AC	0.0%	799	84.7%	CPNATL
LOSTINE	1,340	1,206	1,072	NA	NA	794	40.8%	1,453	-8.5%	367	72.6%	PP&L
LOWELL	1,826	1,643	1,461	NA	NA	566	69.0%	AC	0.0%	453	75.2%	EPUD
LYONS	5,585	5,027	4,468	NA	NA	3,622	35.2%	4,759	14.8%	1,408	73.4%	PP&L
MADRAS	15,138	13,624	12,110	NA	NA	6,000	59.8%	15,241	-0.7%	4,202	72.2%	PP&L
MALIN	3,653	3,288	2,923	NA	NA	2,770	24.2%	4,512	-23.5%	1,253	65.7%	PP&L
MANZANITA	7,764	6,988	6,211	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
MC MINNVILLE	20,014	18,013	16,011	NA	NA	15,697	21.6%	AC	0.0%	12,557	37.3%	MC MINNVILLE
MEDFORD	223,378	201,040	178,702	NA	NA	157,685	29.4%	190,303	11.2%	95,862	57.1%	PP&L
MERRILL	7,415	6,674	5,932	NA	NA	4,490	39.4%	7,214	2.7%	1,973	73.4%	PP&L
METOLIUS	2,584	2,326	2,067	NA	NA	832	67.8%	2,607	-0.9%	565	78.1%	PP&L
MILL CITY	18,237	16,414	14,590	NA	NA	8,428	53.8%	15,389	16.1%	4,135	77.3%	PP&L
MILLERSBURG	12,076	10,868	9,661	NA	NA	7,093	41.3%	10,966	9.2%	3,413	71.7%	PP&L
MILTON FREEMAN	7,677	6,909	6,142	—	—	AC	0.0%	AC	0.0%	6,142	20.0%	MILTON FRE
MILWAUKIE	239,779	215,801	191,823	160,355	33.1%	117,366	51.1%	203,000	15.3%	53,875	77.5%	PGE
MOLALLA	36,190	32,571	28,952	25,405	29.8%	18,936	47.7%	30,225	16.5%	8,684	76.0%	PGE
MONMOUTH	14,635	13,172	11,708	—	—	AC	0.0%	AC	0.0%	11,708	20.0%	MONMOUTH
MONROE	3,499	3,149	2,799	NA	NA	1,863	46.8%	3,557	-1.7%	957	72.7%	PP&L
MORO	3,434	3,091	2,747	NA	NA	2,834	48.8%	3,724	-8.5%	941	72.6%	PP&L
MT. ANGEL	16,825	15,143	13,468	12,294	26.9%	8,946	46.8%	14,334	14.8%	4,369	74.0%	PGE
MT. VERNON	6,584	5,926	5,267	NA	NA	1,212	81.6%	AC	0.0%	1,046	84.1%	CPNATL
MYRTLE CREEK	18,463	16,616	14,770	NA	NA	7,527	59.2%	18,508	-0.2%	4,448	75.9%	PP&L
MYRTLE POINT	30,298	27,268	24,238	NA	NA	14,659	51.6%	31,456	-3.8%	8,827	70.9%	PP&L
NEHALEM	5,568	5,011	4,454	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
NEBERG	79,459	71,513	63,567	57,102	28.1%	40,294	49.3%	67,610	14.9%	19,405	75.6%	PGE
NEWPORT	75,438	67,887	60,344	NA	NA	8,789	88.5%	AC	0.0%	6,967	90.8%	LINCOLN
NORTH BEND	78,263	70,437	62,610	NA	NA	36,921	52.8%	79,091	-1.1%	22,770	70.9%	PP&L
NORTH PLAINS	5,886	5,298	4,709	4,238	28.0%	2,916	50.5%	5,090	13.5%	1,380	76.4%	PGE

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NORTH POWDER	5,346	4,812	4,277	NA	NA	1,010	81.1%	AC	0.0%	901	83.1%	CPNATL
NYSSA	14,766	13,289	11,813	9,005	39.0%	NA	NA	14,423	2.3%	NA	NA	IDAHO
OAKLAND	5,606	5,045	4,484	NA	NA	2,735	51.2%	5,622	-0.3%	1,323	76.4%	PP&L
OAKRIDGE	30,616	27,554	24,493	NA	NA	8,580	72.0%	NA	NA	NA	NA	LAME
ONTARIO	47,527	42,774	38,022	38,965	18.0%	NA	NA	46,812	1.5%	NA	NA	IDAHO
OREGON CITY	131,893	118,704	105,515	91,620	30.5%	67,227	49.0%	111,025	15.8%	31,713	76.0%	PGE
PENDLETON	111,969	100,772	89,575	NA	NA	55,250	50.7%	107,752	3.8%	30,046	73.2%	PP&L
PHILOMATH	17,490	15,741	13,992	NA	NA	9,419	46.1%	17,027	2.6%	4,629	73.5%	PP&L
PHOENIX	11,875	10,688	9,500	NA	NA	4,866	59.0%	11,920	-0.4%	3,061	74.2%	PP&L
PILOT ROCK	14,175	12,758	11,340	NA	NA	8,372	40.9%	13,998	1.2%	3,791	73.3%	PP&L
PORTLAND	2,716,674	2,445,007	2,173,339	2,480,818	8.7%	1,690,110	37.8%	2,443,370	10.1%	1,112,423	59.1%	PGE
POWERS	7,069	6,362	5,655	NA	NA	3,529	50.1%	7,319	-3.5%	2,186	69.1%	PP&L
PRAIRIE CITY	5,668	5,101	4,534	NA	NA	1,845	81.6%	AC	0.0%	904	84.1%	CPNATL
PRESCOTT	2,099	1,889	1,679	NA	NA	875	58.3%	AC	0.0%	700	66.6%	CRIVER
PRINEVILLE	39,609	35,648	31,687	NA	NA	16,452	58.5%	40,475	-2.2%	10,096	74.5%	PP&L
RAINIER	450	405	360	NA	NA	174	61.4%	AC	0.0%	139	69.1%	CRIVER
RAINIER	13,596	12,237	10,877	9,787	28.0%	6,705	50.7%	11,779	13.4%	3,191	76.5%	PGE
REDMOND	53,409	48,068	42,727	NA	NA	27,312	48.9%	52,517	1.7%	15,415	71.1%	PP&L
REDMOND	NA	NA	NA	NA	NA	NA	NA	AC	0.0%	NA	NA	C.E.
REEDSPORT	31,165	28,049	24,932	NA	NA	3,285	89.5%	AC	0.0%	2,628	91.6%	LINCOLN
RICHLAND	1,394	1,255	1,116	820	41.2%	NA	NA	1,304	0.7%	NA	NA	IDAHO
RIDDLE	8,520	7,668	6,816	NA	NA	3,806	55.3%	8,542	-0.3%	2,257	73.5%	PP&L
ROCKAWAY	16,356	14,720	13,085	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
ROGUE RIVER	10,496	9,446	8,397	NA	NA	5,738	45.3%	10,448	0.5%	2,660	74.7%	PP&L
ROSEBURG	117,158	105,442	93,727	NA	NA	63,491	45.8%	114,150	2.6%	33,602	71.3%	PP&L
SALEM	561,354	505,219	449,083	376,652	32.9%	278,176	50.4%	496,484	11.6%	154,495	72.5%	PGE
SALEM	67,587	60,828	54,069	37,564	44.4%	27,094	59.9%	AC	0.0%	21,676	67.9%	S.E.
SANDY	32,766	29,490	26,213	25,384	22.5%	18,589	43.3%	26,349	19.6%	8,779	73.2%	PGE
SCAPOOSE	20,396	18,356	16,317	13,778	32.4%	10,183	50.1%	17,477	14.3%	4,921	75.9%	PGE
SCAPOOSE	17,403	15,663	13,923	NA	NA	6,144	64.7%	AC	0.0%	4,915	71.8%	CRIVER
SCIO	6,506	5,855	5,205	NA	NA	2,233	65.7%	AC	0.0%	1,786	72.6%	PP&L
SCOTTS MILL	1,757	1,581	1,405	1,078	38.6%	494	71.9%	1,757	0.0%	395	77.5%	PGE
SEASIDE	47,595	42,836	38,076	NA	NA	21,486	54.9%	54,839	-15.2%	13,624	71.4%	PP&L
SENECA	1,546	1,392	1,237	NA	NA	457	70.4%	1,486	3.9%	232	85.0%	CPNATL
SHADY COVE	2,111	1,900	1,689	NA	NA	1,147	45.7%	2,179	-3.2%	571	73.0%	PP&L
SHERIDAN	19,625	17,662	15,700	14,627	25.5%	10,549	46.2%	16,536	15.7%	5,006	74.5%	PGE
SHERWOOD	19,065	17,150	15,252	14,379	24.6%	9,866	48.2%	16,689	12.5%	5,345	72.0%	PGE
SILETZ	5,987	5,388	4,790	NA	NA	534	91.1%	AC	0.0%	427	92.9%	LINCOLN
SILVERTON	39,613	35,652	31,690	29,181	26.3%	21,591	45.5%	33,783	14.7%	10,806	72.7%	PGE
SISTERS	NA	NA	NA	NA	NA	NA	NA	AC	0.0%	NA	NA	C.E.
SPRINGFIELD	99,349	89,414	79,479	NA	NA	48,026	51.7%	AC	0.0%	79,479	20.0%	SUB
STANFIELD	12,320	11,088	9,856	NA	NA	6,558	46.8%	11,956	3.0%	3,309	73.1%	PP&L
STAYTON	30,741	27,667	24,593	NA	NA	18,199	40.8%	28,578	7.0%	7,903	74.3%	PP&L
ST. HELENS	62,978	56,680	50,383	47,006	25.4%	34,877	44.6%	52,065	17.3%	16,176	74.3%	PGE
ST. HELENS	5,851	5,266	4,681	NA	NA	2,133	63.5%	AC	0.0%	1,707	70.8%	CRIVER
ST. PAUL	4,916	4,425	3,933	3,755	23.6%	2,778	43.5%	4,046	17.7%	1,266	74.2%	PGE
SUBLIMITY	10,953	9,857	8,762	NA	NA	5,015	54.2%	10,915	0.3%	2,653	75.0%	PP&L
SUMMERVILLE	1,663	1,497	1,330	NA	NA	290	82.6%	AC	0.0%	232	66.0%	CPNATL

City	Annual Expenditure (\$)	Delamo 10 percent (\$)	Delamo 20 percent (\$)	Purchase Utility Maintains		Purchase City Maintains		Convert To HPS		Combined Option		Utility
				(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	(\$)	percent saved	
SUMPTER	2,686	2,418	2,149	NA	NA	469	82.6%	AC	0.0%	375	86.0%	CPNATL
SUTHERLIN	36,981	33,283	29,585	NA	NA	21,285	42.4%	35,739	3.4%	9,978	73.0%	PP&L
SWEET HOME	56,216	50,594	44,973	NA	NA	29,333	47.8%	56,238	-0.0%	16,994	69.8%	PP&L
TALENT	10,568	9,511	8,454	NA	NA	5,233	50.5%	10,577	-0.1%	2,982	72.5%	PP&L
THE DALLES	99,861	89,875	79,889	NA	NA	NA	NA	NA	NA	NA	NA	NWASCO
TIGARD	93,319	83,987	74,656	63,548	31.9%	45,420	51.3%	80,726	13.5%	23,796	74.5%	PGE
TILLAMOOK	27,540	24,786	22,832	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
TOLEDO	48,490	43,641	38,792	NA	NA	4,987	89.7%	AC	0.0%	3,990	91.8%	LINCOLN
TUALATIN	94,259	84,833	75,407	79,438	15.7%	50,585	46.3%	79,437	15.7%	30,306	67.8%	PGE
TURNER	11,589	10,430	9,271	7,553	34.8%	5,565	52.0%	9,881	14.7%	2,552	78.0%	PGE
UMATILLA	21,658	19,492	17,326	NA	NA	12,669	41.5%	20,549	5.1%	5,648	73.9%	PP&L
UNION	8,835	7,952	7,068	NA	NA	2,855	76.7%	8,699	1.5%	1,453	83.6%	CPNATL
UNITY	681	613	545	436	36.0%	NA	NA	AC	0.0%	NA	NA	IDAHO
VALE	13,851	12,466	11,081	8,422	39.2%	NA	NA	13,456	2.8%	NA	NA	IDAHO
VENETA	5,341	4,807	4,273	NA	NA	1,706	68.1%	AC	0.0%	1,365	74.4%	SPUD
VENETA	2,619	2,357	2,095	NA	NA	789	72.9%	NA	NA	NA	NA	LANE
WALDPORT	12,059	10,853	9,647	NA	NA	1,271	89.5%	AC	0.0%	1,017	91.6%	LINCOLN
WALLOWA	5,640	5,076	4,512	NA	NA	1,778	68.5%	AC	0.0%	1,422	74.8%	PP&L
WARRENTON	18,481	16,633	14,785	NA	NA	13,300	28.0%	17,528	5.2%	4,164	77.5%	PP&L
WASCO	361	325	289	NA	NA	198	45.1%	363	-0.5%	92	74.6%	PP&L
WATERLOO	1,915	1,723	1,532	NA	NA	1,128	41.1%	1,860	2.9%	520	72.8%	PP&L
WEST LINN	145,231	130,708	116,185	90,131	37.9%	61,296	57.8%	129,361	10.9%	30,773	78.8%	PGE
WESTON	7,758	6,982	6,206	NA	NA	4,874	37.2%	8,229	-6.1%	2,267	70.8%	PP&L
WHEELER	4,152	3,737	3,322	NA	NA	NA	NA	AC	0.0%	NA	NA	TILLAMOOK
WILLAMINA	18,333	16,500	14,666	13,673	25.4%	10,057	45.1%	15,233	16.9%	4,601	74.9%	PGE
WILSONVILLE	67,579	60,821	54,063	30,060	55.5%	19,215	71.6%	63,434	6.1%	11,117	83.5%	PGE
WINSTON	16,860	15,174	13,488	NA	NA	12,978	23.0%	18,732	-11.1%	7,232	57.1%	PP&L
WOOD VILLAGE	14,760	13,284	11,808	9,839	33.3%	7,185	51.9%	12,772	13.5%	3,483	76.4%	PGE
WOODBURN	88,159	79,343	70,527	55,338	37.2%	38,645	56.2%	77,611	12.0%	18,936	78.5%	PGE
YACHTS	5,423	4,881	4,338	NA	NA	555	89.8%	AC	0.0%	444	91.8%	LINCOLN
YAMHILL	6,720	6,048	5,376	4,937	26.5%	3,538	47.4%	5,672	15.6%	1,618	75.9%	PGE

- NOTES: 1. NA indicates not available.
2. AC indicates already accomplished.
3. — indicates not applicable.
4. Conversion column: 175W MV to 100W HPS, 250W MV to 150W HPS, 400W MV to 200W HPS, and 1000W MV to 400W HPS.
5. Purchase, Utility Maintains column does not include maintenance cost for poles.
6. Negative percent savings in the conversion column indicates increased expenditure.
7. Expenditures for cities served by Lincoln P.U.D. might be artificially low due to \$0.015 per kWh rate used.
8. Idaho Power has no "City Own, Utility Maintain" rate for 175W MV lamos: state average of \$4.78 was used.
9. Salem Electric has no "City Own, Utility Maintain" rate for 70W HPS lamos: state average of \$3.40 was used.
10. Combined Option column indicates city purchases and maintains, converts to HPS lamos, and delamos 20%.
11. Purchase, City Maintains column is somewhat theoretical for PGE because option is not offered for all lights.
12. Utility column: C.POWER is Consumers Power, C.E. is Central Electric, CRIVER is Columbia River, IDAHO is Idaho Power, LINCOLN is Central Lincoln, C.BASIN is Columbia Basin, and S.E. is Salem Electric.

Delamping

One of the best methods to reduce streetlight expenditure is through temporary or permanent removal of some of the streetlights. A 10 percent reduction in streetlights can result in a 10 percent decrease in streetlight expenditure, assuming a fairly even reduction across all light types.

Most streetlight systems in Oregon cities were installed during times of relatively inexpensive streetlighting due to extremely low electricity costs. In fact, many cities at one time even had basically free streetlights as part of franchise agreements with the utilities. As a result, many cities have inherited streetlight systems that have erred on the side of too much light rather than too little light.

Today, with streetlight rates rising and free streetlight arrangements in franchise agreements a thing of the past, many cities are reexamining their commitment to lighting certain areas. Some cities have decided to reduce or discontinue lighting strictly residential areas; others have decided to discontinue lighting the downtown commercial areas.

A decision regarding the exact light location and size at a busy intersection is basically an engineering decision. Determining the type of areas that should be lit in the first place is generally a more subjective decision. It is obviously easier not to light a certain area in the first place than to go back at a later date and delamp an area after the residents have become accustomed to a particular lighting level. Although there is some debate regarding the validity of the perception that increased lighting directly translates to decreased crime, there is little debate about the enhanced road safety from lighting busy streets and intersections. Still, city officials considering delamping must be sensitive to citizens' streetlight expectations.

In December 1981 the city of Florence (population 4,645) passed a resolution listing the city's streetlight priorities. These priorities are listed below, beginning with Highway 101 and all four-way intersections as the highest priorities and ending with mid-block residential lights and lights at the entrance to planned unit developments, bike paths, and city parks.

1. Highway 101: each intersection within the city, and not less than two hundred feet (200') apart, from the Siuslaw River, north through 15th Street.
2. Each four-way intersection with all streets paved.
3. Each four-way intersection with at least two streets paved.
4. All other four-way intersections.

5. Each three-way ("T") intersection with all streets paved.
6. Each three-way ("T") intersection with the through street paved.
7. All other three-way intersections.
8. At each paved cul-de-sac.
9. At each unpaved cul-de-sac or dead-end street.
10. Four hundred feet (400') apart on Rhododendron Drive from Greenwood Street to 35th Street.
11. Midway between lighted intersections on other streets if distance exceeds six hundred fifty feet (650').
12. Four hundred feet (400') apart on other city streets without intersections, but not closer than three hundred twenty-five feet (325') from a lighted intersection.
13. At entrance(s) where a planned unit development (PUD) meets a city street.
14. At entrance(s) where a bike path meets a city street.
15. At entrance(s) to city parks.

The city's resolution also included the following:

This street lighting policy may require the removal of existing street lights in inverse order of priority, if necessary, in order to avoid overspending the approved Street Light Fund Budget.

In accordance with these inverse priorities, Florence requested that Central Lincoln PUD remove approximately fifty lights, which accounted for approximately 15 percent of its streetlights. The utility complied with the city's request and did not charge the city for removal. Florence's permanent delamping saves the city approximately \$5,000 per year.

The city's delamping efforts met with little or no citizen resistance. However, city employees feel that a clear explanation of the city's need to curb streetlight costs and development of a defensible priority list helped deal with the concerns of opponents. The city also clearly stated in the resolution that residents could have lights in addition to those provided by the city, as long as they paid the entire cost directly to the utility. (See Appendix VI-A for entire resolution.)

Other cities have established different priorities for streetlight removal. In 1982 the city of St. Petersburg, Florida, decided to retain all residential streetlights and to remove lights from only arterials and collector streets. With a goal of reducing its streetlight expenditure by 10 percent, the city was able to remove 1,175 of the 22,500 lights for a savings of \$134,000 per year. (1983 National Council of Local Energy Officials conference proceedings.)

Both the St. Petersburg and Florence cases are examples of permanent delamping, where the lights were actually removed. Other cities have delamped temporarily or for an indefinite period. In these cases, lights often remain in place but are no longer energized.

In 1982 the city of Springfield (population 40,690) turned off 500 streetlights because of budget restraints that forced the city to reduce municipal services. These lights were removed from residential areas. During fiscal 1983-84, the city estimated a savings of \$50,000 from turning off these lights. In June 1984, partially due to significantly decreased operating costs as a result of the city's complete conversion to LPS vapor (see page 42), the city was able to return the 500 lights to service.

Another temporary delamping occurred in the city of Umatilla (population 2,980), when a 1986 streetlight levy failed to pass. Because of lack of funds, the city decided that extensive delamping was the only way to stay within its limited budget. The city requested that the utility temporarily remove over 50 percent of its streetlights from service. Basically, the city turned off all residential streetlights, leaving on only lights at major intersections, on the main commercial street, and around the schools.

PP&L did not charge the city for the temporary disconnection of the streetlights. However, since the utility owns and maintains Umatilla's streetlights, PP&L's policy is to discontinue the charge for electricity, while continuing to charge the city for maintenance and capital recovery. For Umatilla's most common light, the 175-watt mercury vapor, the monthly charge was reduced 26 percent, from \$6.57 per month to \$4.88 per month. In contrast, a permanent disconnection and light removal would have dropped the monthly charge to \$0.0, resulting in a full 100 percent savings. However, the city hopes that passage of a future levy will allow them to relight the disconnected streetlights.

Several factors should be evaluated before a decision is made to delamp a portion of city streetlights. First, priorities should be set for deciding which types of areas should, or should not, have streetlights. The streetlight indicators in the appendixes can help assess a city's position on a per capita and a per road mile basis. The second decision is whether to permanently delamp and remove poles, other than utility distribution poles, or to temporarily delamp and leave the lights in place but not energized. Utility rates for disconnecting

or removing lights and for temporary delamping will have a bearing on these decisions.

Removal charges differ among utilities. For instance, Central Lincoln PUD did not charge Florence when the city asked to have over fifty lights permanently removed. In PP&L's service territory, cities are assessed a labor charge for removing lights and poles (when applicable), minus whatever salvage value remains in the poles or fixtures. (For these purposes, PP&L assumes mercury vapor lights have no salvage value.) In contrast to PP&L's policy, PGE charges for the labor, plus the remaining depreciated value of the equipment. To determine the value of a streetlight, PGE uses the original cost, assumes a thirty-three year life, and uses an accelerated depreciation method. The main difference is that PGE charges a city for the remaining value of all removed equipment on the assumption that they cannot sell the equipment and the city should absorb the full cost, while PP&L either credit a city for equipment it can reuse or, in the case of mercury vapor lights that cannot be reused, does not charge or credit the city.

For temporary delamping (i.e., disconnecting electricity without removal), both PGE and PP&L charge cities for labor. Both utilities then continue to assess cities a monthly charge for all utility owned and/or maintained lights equal to the original charge, minus the energy charge. For both temporary and permanent delamping of lights owned by cities, PGE and PP&L charge for only the labor to disconnect the energy and do not assess a monthly charge. Cities served by other utilities should check with their respective utility for appropriate costs.

Conversion

As discussed in the section on lighting technology (see page 25), improvements in streetlight design efficiency now give cities comparable lighting levels with much lower energy use. To date, over half of the lights in Oregon cities are high-efficiency lights. The overwhelming majority of the lights are HPS vapor, with some LPS vapor and metal halide lights. While most of these lights have been converted from less efficient lights, some are the result of installation of new lights in new developments. Because of the higher light output per unit of energy input (measured in lumens per watt), these lights generally consume only 30 to 60 percent of the energy of their less efficient predecessors.

The primary impetus for streetlight efforts in Oregon cities has been BPA's Street and Area Lighting Program. Initiated in 1981, this program reimbursed utilities for 100 percent of the cost of converting existing street and area lights to more efficient (primarily HPS vapor) lights. Most conversions in Oregon have been financed through this program. Even PGE and PP&L funded most of their conversions with BPA money until 1983, when they decided not to sign conservation contracts with BPA.

In 1985 BPA's conversion program was curtailed significantly because of the electricity surplus and is no longer available for large-scale conversion. However, funds are still available for utilities with long-term conservation contracts with BPA for energy-efficient light installation upon attrition of less efficient lights. PGE and PP&L have similar programs within their service territories, replacing mercury vapor light fixtures with HPS vapor fixtures when the fixture fails. However, in both the BPA program and the two major private utilities' programs, if the mercury vapor light fails, but not the fixture, the light is replaced by another mercury vapor light. PGE estimates that it is replacing approximately 1 percent of its mercury vapor fixtures with HPS vapor fixtures every year through attrition.

In general, most utilities in Oregon are installing HPS vapor lights for all new installations. However, with the absence of BPA's incentive for conversion of existing lights and no utility encouraging conversion, cities need to evaluate whether conversion is economically beneficial. To evaluate this question, each city needs to look closely at its utility's rate structure and conversion costs.

The most important factor for cities to consider regarding conversion is the utility's streetlight rates. Since there is a wide variety of streetlight rates, generalizations can be made about the cost-effectiveness of streetlight conversion for a particular city. The conversion column in Table 16 shows what each city's new annual streetlight expenditure would be if all of its streetlights were converted to HPS vapor lights. As the column illustrates, while most cities' annual expenditures drop after conversion, some increase because of a particular utility's rates.

Cities served by PP&L, Consumers Power, or Salem Electric could pay more after conversion than before because the utilities charge more for a 100-watt HPS vapor light (\$7.57 per month, \$11.45 per month, and \$6.35 per month, respectively) than for a less efficient 175-watt mercury vapor light (\$6.98 per month, \$7.50 per month, and \$5.10 per month, respectively) that is owned and maintained by the utility. For cities where conversion would increase costs, conversion is obviously not the way to reduce streetlight costs, as long as the relative rates remain.

However, it should be noted that the conversion column in Table 16 assumes that cities will convert 175-watt mercury vapor lights to 100-watt HPS vapor lights. If cities convert to a 70-watt HPS vapor, savings will increase. For instance, PGE charges \$6.98 per month for a 100-watt HPS vapor and only \$6.06 per month for a 70-watt HPS vapor--\$0.92 difference per light. Even in PP&L's service territory, where the rate for a 70-watt HPS vapor light is \$6.57 per month, savings could occur if cities converted to 70-watt HPS vapor lights.

The use of 100-watt HPS vapor instead of 70-watt HPS vapor lights in calculating conversion savings in Table 16 is predicated on the fact that BPA conversions primarily have been to 100-watt HPS vapor, and

both PGE and PP&L currently install only 100-watt HPS vapor, unless cities specifically request 70-watt HPS vapor. Both PGE and PP&L report that city dissatisfaction with the amount of light from a 70-watt HPS vapor compared to a 100-watt HPS vapor prompted the end of their active promotion of 70-watt HPS vapor.

It is a fact that 175-watt mercury vapor lights put out approximately 7,000 lumens, 70-watt HPS vapor lights put out 5,800 lumens, and 100-watt HPS vapor lights put out 8,000 lumens. However, despite the fact that 70-watt HPS vapor lights put out 17 percent less light than 175-watt mercury vapor lights, 132 of the 210 cities that the Bureau has inventory information for have at least some 70-watt HPS vapor. There are currently over 8,000, 70-watt HPS vapor lights in Oregon cities and over 22,000 100-watt HPS vapor lights.

In California, cities generally convert their 175-watt mercury vapor lights to 70-watt HPS vapor lights. Each Oregon city will need to balance utility costs with requisite lighting levels. Some uses may be adequately served by 70-watt HPS vapor, and the best solution would be to mix 100-watt HPS vapor and 70-watt HPS vapor lights to minimize costs while providing adequate lighting.

After looking at the appropriate utility rate structures, cities need to examine conversion charges utilities might require. Again, this differs among utilities. For instance, PGE requires cities to pay a discontinuance fee for utility owned mercury vapor lights, which includes the remaining book value of the light, plus the cost of labor for removal, minus any salvage value. There is no fee for installing the new light when PGE retains ownership (charge is folded into the rates). When the city owns the light, PGE requires the city to buy the new light and pay PGE for the labor to install it. In contrast, PP&L indicates that if a city in its service territory wants to convert to HPS vapor, there is no discontinuance fee or labor charge.

The city of Silverton (population 5,920) recently paid \$10,488 to have PGE convert its seventy-eight 400-watt mercury vapor lights to 200-watt HPS vapor. This discontinuance fee of \$134 per light was for the book value of the mercury vapor lights, plus the labor to remove the light, minus the salvage value. The conversion will save the city about \$40 per light per year, or \$3,080 for all the lights, at the current rates. This represents a simple payback of between three and four years on the city's investment.

At the same time, Silverton decided not to convert 200, 175-watt mercury vapor lights to 100-watt HPS vapor lights because the discontinuance fee of \$24,300 was too high relative to the approximate \$2,750 per year savings. This represents a simple payback of between eight and nine years. Originally, the city considered paying for the conversion with a loan from the state's Small Scale Energy Loan Program (SELP). However, after careful consideration, the city decided that due to the 10 percent interest rate, the city would be better off financially to pay for the 400-watt mercury vapor

conversion and delay the 175-watt conversion until either the SELP interest rates dropped or the rate differential between the 175-watt mercury vapor and the 100-watt HPS vapor increased.

During July 1985, the city of Sheridan (population 2,420) received an estimate from PGE on costs for conversion of its streetlight system to HPS vapor. At that time the city also received an estimate for the costs associated with purchasing the system (see page 48). Table 17 summarizes the conversion information provided to Sheridan by PGE.

Table 17

SHERIDAN STREETLIGHT CONVERSION

<u>Conversion</u>	<u>Costs</u>	<u>Savings</u>
119, 175-watt MV to 100-watt HPS vapor	\$13,500	\$1,699
33, 400-watt MV to 200-watt HPS vapor	<u>3,600</u>	<u>1,330</u>
Total	\$17,100	\$3,029

The simple payback on Sheridan's potential conversion was between five and six years, without taking into consideration the time value of money or any future streetlight rate increases. After also exploring the possibility of purchasing the system with assistance of a SELP loan, the city decided that the investment was not sufficiently attractive to pursue at this time.

Springfield Chooses Low Pressure Sodium Vapor.--Unlike other Oregon cities, Springfield chose to convert its mercury vapor and incandescent lights to (LPS) vapor lights instead of the more common HPS vapor lights. The city's decision to convert to LPS vapor was made following a joint study with the Springfield Utility Board initiated in 1975. Between 1976 and 1983, over half of Springfield's streetlights had been converted to LPS vapor through city-budgeted streetlight improvement funds of approximately \$40,000 per year.

In 1982 the city applied for BPA funds to convert the remainder of its inefficient streetlights. Although BPA was not initially interested in funding LPS vapor conversion through its Street and Area Lighting Program, BPA finally agreed to pay the city \$233,200 in reimbursements for conversions that were completed in 1984.

It is difficult to assess Springfield's exact dollar savings from its conversion efforts due to the addition of many new lights to the system and a change in ownership since the conversion began. However, on the average, LPS vapor lights use approximately 15 percent less energy than HPS vapor lights. In addition to the energy savings, Springfield has not had problems with LPS vapor's color rendition or with excessive maintenance costs. (Differences between LPS vapor and HPS vapor are discussed in the section on lighting technology beginning on page 25.)

STREETLIGHT PURCHASING AND OTHER OPTIONS

Although BPA funding financed most of the energy-related portions of this study, the research in the following section on streetlight purchasing was jointly financed by the Bureau of Governmental Research and Service and the League of Oregon Cities through the Urban Service Program.

Purchase

Purchasing streetlights and nondistribution poles (poles that are not used by a utility for electricity distribution purposes) from a utility generally ensures the greatest reduction in annual utility expenditure, with the least impact on the physical system than any other options. Fifty-seven cities in Oregon own some of their streetlights. Fifteen cities, including Portland, Eugene, Springfield, Lake Oswego, Ashland, Bandon, and Baker own over 95 percent of their streetlights.

Several things must be considered when evaluating the purchase of a streetlight system: (1) streetlight rate differential between utility ownership and city ownership, to determine the ongoing annual savings; (2) the utility's selling price for the system; (3) whether to buy the streetlight system and have the utility continue to maintain the system or have the city assume maintenance responsibility; and (4) whether to buy the entire system or only a portion.

Since streetlight rates and purchase charges vary significantly among utilities, cities need to contact their utility for an accurate estimate of the potential costs and savings from purchasing the streetlight system. As indicated in the rate comparison table in Appendix V-A, savings on utility expenditure from an ownership change can be substantial. For instance, purchasing a single 175-watt mercury vapor light from PGE would reduce a city's monthly charge from \$8.13 to \$4.15, if the city maintained the light, and \$5.99, if the utility continued to maintain the light. The same purchase from PP&L would result in a reduction from \$6.98 to \$4.13, if the city maintained the light. A 100-watt HPS vapor light purchased from PGE would result in a reduction from \$6.98 to \$2.42, if the city maintained the light, and \$4.59, if PGE maintained the light. The same purchase from PP&L would reduce the rate from \$7.57 to \$2.39, if the city maintained the light. (Rates for PP&L maintenance are not readily discernible.)

Purchase prices also differ among utilities. In 1981 the Eugene Water and Electric Board transferred ownership and maintenance responsibility for the city of Eugene's streetlight system to the city at no charge. The utility maintained that the city's payments had basically paid the capital cost of the system. (Small remaining value was forgiven.) A similar no-charge transfer occurred between the Springfield Utility Board and the city of Springfield.

Both PGE and PP&L expect a city to pay for the transfer of any portion of the streetlight equipment from the utility to the city. To determine the purchase price, PGE and PP&L derive the book value of all equipment under consideration. Book value reflects the initial purchase price, minus the depreciated value of the equipment, based on the remaining life of the equipment. PP&L provides free mercury vapor lights, although they still charge for a mercury vapor fixture, which generally has a higher value than the light.

PP&L and PGE's purchase price differs from the discontinuance fee for permanent delamping in that it does not include a labor charge, since lights are not being physically removed. Another difference in PP&L's purchase price and discontinuance fee is that the discontinuance fee includes credit for any salvage value from removed equipment, which is not applicable in a purchase arrangement.

Even if the rate differential between utility ownership and city ownership is attractive and the purchase price is not insurmountable, cities need to factor into their calculations any capital and labor costs that are assumed from the utility through the transfer. Similarly, before deciding to take on maintenance responsibility as well as ownership, cities need to assess whether hiring the expertise in-house or contracting for the service will save more money than having the utility continue to maintain the system. Taking over maintenance responsibilities might be easier for large cities than for small cities.

Utility maintenance of a city owned streetlight system generally includes regular replacement of lights and photocells, as well as replacement of broken light fixtures or glass. Taking over streetlight maintenance is not an available option for all Oregon cities. In PGE's service territory, cities can purchase their streetlight system, but they are not generally allowed to take over maintenance responsibilities. Although PGE offers rates for city maintenance, the utility is not willing to relinquish streetlight maintenance responsibility to a city unless the streetlights and associated equipment are not installed on utility distribution poles. PGE claims that it does not want to be liable for city employees near utility poles or distribution lines and that the utility needs to retain the right to service the lights to assure that equipment is of appropriate quality and correctly installed to ensure proper, safe energy delivery through the system.

In contrast, PP&L claims it is indifferent about a city's decision to maintain the system or have the utility maintain it. While PGE maintains 87 percent of its city owned lights, PP&L maintains only 10 percent.

If cities can establish their own expertise, it is likely that they will be able to gain substantially from purchasing the streetlight system. The main reason is that utilities, particularly private utilities, generally have high overhead and labor costs relative to most cities.

Table 18 illustrates some of the high labor and overhead costs included in PGE and PP&L streetlight rates. PP&L's capital costs only account for about 30 percent of the installed cost, while PGE's account for about half. PP&L charges \$92 to \$144 more than PGE for the installed cost of new HPS vapor lights. This gap is basically responsible for PP&L charging higher rates than PGE for utility owned and maintained HPS vapor lights, despite the fact that their energy

charges are almost identical. The major difference between the two utilities is PP&L's larger "general overhead" and "other" expenditures. Only PGE's labor costs are significantly higher than PP&L's. PGE estimates two and one-half hours for installation at \$32 per hour. This figure does not include an additional 25 percent overhead charged on labor in the general overhead column.

Table 18

CALCULATED COST COMPONENTS FOR NEW HPS VAPOR LIGHTS

Light Type	Capital*		Labor		General Overhead		Other**		Total	
	PP&L	PGE	PP&L	PGE	PP&L	PGE	PP&L	PGE	PP&L	PGE
70 watt	\$128	\$113	\$67	\$80	\$83	\$38	\$ 91	\$12	\$369	\$242
100 watt	130	143	67	80	83	42	91	15	371	279
200 watt	168	156	71	80	99	46	104	17	442	298

* Includes fixture, light, photo control and mast arm.

** Includes transportation, storage and payroll overhead.

In 1978 the city of Portland explored purchasing its streetlight system of over 37,000 lights from PGE. There were four reasons for these efforts.

1. Portland's streetlight service agreement was to expire at the end of the year.
2. Portland was not completely satisfied with PGE's service.
3. Streetlight expenditure had increased nearly 60 percent between 1972 and 1978.
4. The city needed to operate streetlights within the limits of a ten-year special tax levy of \$3,580,000, which was in effect through 1985.

The city studied various methods of acquiring the streetlight system, including condemnation, purchase, and construction of a new system after requiring PGE to remove the existing system at their cost. In 1980 the city decided to pursue purchase of the system from PGE. On July 31, after several months of negotiation, the city purchased the system.

At the time, the city estimated that it could save \$648,000 per year through the purchase. During the first five years of ownership, Portland calculated that it saved \$4,130,000 in rental charges that would have been paid to PGE at a cost of \$3,840,000, which includes the \$3,000,000 purchase price, plus the lost income from interest on

the original cash payment. Therefore, purchasing the system saved the city approximately \$290,000 over the first five years and will continue to save over \$1 million in rental charges per year.

Portland also hoped to reduce its utility streetlight expenditure further by converting all of its lights to HPS vapor. The city was promised \$1.5 million in federal interstate withdrawal funds to help convert to efficient lighting. By the end of 1986, Portland plans to have converted all of its streetlights to HPS vapor. The city used almost \$1 million dollars from the federal interstate withdrawal fund and \$1.59 million of BPA money to help finance the conversion. In addition, PGE gave the city several hundred thousand dollars in conservation credits in 1983. (Note: PGE no longer offers conservation credits for streetlight conversion, and federal interstate withdrawal funds are not normally available for streetlight conversion.)

The remainder of the conversion (approximately 15,700 lights) is being paid for directly from the city's streetlight budget, having freed sufficient capital through the ownership change and early conversion. (Note: These later conversions do not appear as HPS vapor in the inventory and expenditure calculations made for this report, since they took place after the inventory was compiled in late 1985.)

In addition to the rental charge savings, Portland estimates that it saves over \$750,000 per year in energy savings as a result of conversion to more efficient lighting. With the completion of conversion in 1986, the city anticipates that it will save over \$1 million per year in energy savings.

Portland hopes to reduce its streetlight expenditure even more by assuming maintenance responsibility for the system. The city believes that it can provide better service than PGE at a lower price. Portland claims to have had problems with PGE's turnaround time on streetlight repair, claiming that if the city does not pressure PGE, turnaround time slips from three days to five to seven days. The city also has had problems with PGE replacing city equipment with lesser quality utility owned equipment due to the makeup of PGE's inventory stocking policies. (William Hughes, streetlight operations supervisor, city of Portland.)

When all of its streetlights are converted, Portland could cut its monthly payment to PGE roughly in half by assuming maintenance responsibility for the streetlight system. Although the city would probably contract for the maintenance rather than bring it in-house, staff believes that through normal bidding procedures, they could have the work done satisfactorily at a significantly reduced cost. However, PGE is unwilling to relinquish maintenance responsibility for most of the lights it services, regardless of who owns them.

Purchase and Conversion.--In addition to Portland, many other cities have considered purchasing and conversion together. Often, purchasing occurs before conversion. As shown, under most utility rate

structures, conversion looks more attractive when the lights are owned by the city rather than the utility. (In fact, it was shown that in some cases, when conversion occurs while the utility retains ownership, expenditures for the city can actually increase.)

The city of Eugene has benefitted financially from conversion to HPS vapor and transfer of the system's ownership and maintenance agreement from EWEB to the city. At the end of 1981, EWEB transferred ownership and maintenance to the city at no cost. To handle its new responsibilities, the city added two full-time positions in its public works department, purchased a new derrick for \$100,000, and spent an additional \$120,000 for other lifts and building improvements.

In 1981 the city's streetlight bill from EWEB was \$353,603. In fiscal 1985-86, the city budgeted only \$79,000 to pay EWEB for streetlights. The city budgeted an additional \$80,000 for personnel and \$129,000 for materials and equipment to cover its new maintenance and ownership responsibilities, for a total expenditure of \$288,000. Thus, the city saved over \$65,000 a year in streetlight costs over its 1981 expenditure. If inflation and fuel escalation are factored in, the annual savings are significantly higher.

However, although conversion costs generally are less when lights are owned by the city, purchasing the system in the first place does not always save money. When the city of Sheridan considered converting its system to HPS vapor, it asked PGE to prepare two estimates--one for conversion alone and one for conversion plus purchase. As discussed on page 42, PGE estimated that conversion alone would cost Sheridan \$17,100 to remove the existing mercury vapor fixtures and that there would be no charge for the HPS vapor fixtures. With the \$3,030 per year estimated savings, this promised to provide a simple payback between five and six years.

Table 19 shows the estimated costs and savings to the city for simultaneous conversion and purchase. With the purchase price included in the calculation, the cost to Sheridan increased to \$71,620, and the annual savings increased to \$7,587. The simple payback, which does not take into account rising utility rates or the cost of capital, rose substantially to between nine and ten years.

Table 19

SHERIDAN STREETLIGHT PURCHASE AND CONVERSION PROPOSAL

<u>Original Light and Proposed Conversion</u>	<u>Conversion Cost</u>	<u>Purchase Cost</u>	<u>Total Cost</u>	<u>Total Savings</u>
119, 175-watt MV to 100-watt HPS vapor	\$13,500	\$41,650	\$55,150	\$5,112
33, 400-watt MV to 200-watt HPS vapor	<u>3,600</u>	<u>12,870</u>	<u>16,470</u>	<u>2,475</u>
Total	\$17,100	\$54,520	\$71,620	\$7,587

Sheridan applied to the Oregon Department of Energy for a loan from the Small Scale Energy Loan Program (SELP). Two loan options for conversion and purchase were proposed by ODOE. The first loan on the full \$71,600 at 9.75 percent for a twenty-year term had an annual debt service of \$8,160. Since only savings of \$7,600 were anticipated, the city would have had to subsidize approximately \$560 annually to cover the debt service. The second option was an unsubsidized annual loan, where energy-saving dollars approximated annual loan repayments. In this arrangement, the twenty-year loan would have been made on only \$66,656 and would have required \$4,944 from the city initially.

For conversion without purchasing, ODOE offered Sheridan a 9.5 percent, fifteen-year loan on the \$17,100 discontinuance fee requested by PGE. This loan would have required Sheridan to make loan payments of \$2,143 per year, with estimated savings of at least \$850 per year.

While the SELP loan for conversion-only seemed more feasible than the loan arrangement for a combined purchase and conversion, the city decided that neither package would be pursued further at that time. An additional problem with the conversion-only loan was that SELP required the city to provide collateral, since the city would not own the lights. In the purchase-plus-conversion arrangements, the streetlights were to serve as collateral.

Other Options

While delamping, conversion and purchasing are the three most widely used approaches currently used to reduce streetlight expenditure, reducing hours of operation and system reconfiguration are other cost-cutting methods available to local governments.

Reducing the number of hours that streetlights are turned on can save cities money by decreasing the energy used by the lights and by extending the life of the lights and fixtures. A city would need to assess whether certain areas could be sufficiently lit for fewer hours than from dawn to dusk. For instance, does a bicycle path through a park that closes at midnight need to be lit from midnight to dawn? Similarly, what does a city gain from keeping its main commercial streets lit after the last bar closes at 2 a.m.? Turning off some portion of a city's lights for part of the night could result in large savings.

One of the technical barriers to this potential solution is that the vast majority of streetlights currently operate on photocells that turn lights on around dusk and off around dawn. To reduce the hours of operation of certain streetlights, some type of control clock would need to be installed. Photocells and time clocks can be programmed to work together. Also, while few lights in the state are currently metered for energy consumption (consumption is estimated based on total hours of annual operation and then spread evenly throughout the year), utilities might want to begin metering lights that are not turned on and off in the standard way. Cities would

need to balance the savings from installation of clocks and/or meters to reduce streetlight operating hours with incidental costs that might be incurred.

Most city streetlights are housed on wood utility distribution poles. Since these poles were laid out primarily for stringing distribution lines, they may not necessarily result in optimal streetlight design.

Reconfiguring the streetlight system to reduce expenditure could include changing streetlight locations, reducing the size of certain lights in areas where lower lighting levels are acceptable, or replacing several small clustered lights with one large light.

As discussed in an earlier section, many cities are installing 70-watt HPS vapor lights instead of 100-watt HPS vapor lights and thereby experiencing significant savings. Cities should also look at the location of larger lights, such as 200-watt HPS vapor or 400-watt mercury vapor to see if they could be safely downsized. If a city does not have an up-to-date streetlight map that clearly shows the size, type and location of each streetlight, a copy should be available from the serving utility.

If an area can be adequately lit with one 200-watt HPS vapor light instead of two 100-watt HPS vapor lights, a city can save money by installing the 200-watt light. Obviously, this would not work for streetlights that are spaced 500 feet apart, but it can work when lights are clustered. Although there will not be any significant savings in the energy portion of the streetlight cost, cities can save significantly on maintenance and replacement costs, regardless of whether the city or the utility owns the lights. For instance, one 200-watt HPS vapor light that is owned and maintained by PGE costs \$9.84 per month, while two 100-watt HPS vapor lights cost \$13.96 per month. PP&L's costs are \$11.31 for one 200-watt HPS vapor light and \$15.14 for two 100-watt HPS vapor lights.

STATEWIDE POTENTIAL ENERGY SAVINGS

City streetlights, with ballasts and line losses included, currently consume approximately 103 million kilowatt hours of energy each year and require about 24.4 megawatts of power. As Table 20 indicates, substantial savings can be realized through streetlight conversion and/or delamping. If all remaining mercury vapor and incandescent streetlights were converted to HPS vapor lights, energy use could be reduced by 21 percent to 82 million kilowatt hours, with the power requirements dropping to 19.2 megawatts. This calculation assumes that 175-watt mercury vapor lights are converted to 100-watt HPS vapor instead of 70-watt HPS vapor. Converting to 70-watt HPS vapor instead of 100-watt HPS vapor would save additional energy and reduce power requirements even more. Although the serving utilities in Oregon seem to be unanimously choosing HPS vapor lights over LPS vapor lights (with the notable exception of SUB and the city of Springfield), conversion to LPS vapor instead of HPS vapor would increase the overall savings dramatically.

If 10 percent of the streetlights in Oregon were removed, power and consumption requirements could be reduced by 10 percent. Removing 20 percent of the lights would double the energy savings and power requirement reductions. The best case, "combined option," illustrates the savings from converting all lights to HPS vapor and removing 20 percent of the fixtures (preferably before conversion costs are incurred). In the combined option, energy use would drop 37 percent to 65 million kilowatt hours and the power requirements to 15.4 megawatts.

Table 20

STATEWIDE ENERGY SAVING AND POWER REDUCTION POTENTIAL

Current Inventory	Type	Number	Annual Energy/Power		Delamp 10 Percent		Delamp 20 Percent		Convert to HPS		Combined Option	
			KWH	MW	KWH	MW	KWH	MW	KWH	MW	KWH	MW
Mercury Vapor		52,785	55,782	13.3	50,203	12.0	44,625	10.6	34,760	8.3	27,808	6.6
Incandescent		1,537	1,673	0.4	1,506	0.4	1,339	0.3	951	0.2	761	0.2
HPS Vapor		57,585	43,216	10.3	38,894	9.3	34,573	8.2	43,216	10.3	34,573	8.2
Metal Halide		217	806	0.2	726	0.2	645	0.2	806	0.2	645	0.2
LPS Vapor		2,229	1,072	0.3	965	0.2	858	0.2	1,072	0.3	858	0.2
Total		114,353	102,549	24.4	92,294	22.0	82,040	19.5	80,806	19.2	64,645	15.4

NOTE: Annual energy and power use figures were derived by increasing light wattages 20 percent to account for ballast and line losses. Energy and power figures for the conversion columns are based on BPA estimated energy savings for HPS retrofits. See Appendix VI-B. Combined-option column includes conversion to HPS vapor lights and 20 percent delamping. LPS vapor and metal halide lights are not converted to HPS vapor because they are efficient alternatives to mercury vapor and incandescent lights.

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TABLE I-A.1

STREETLIGHT INVENTORY BY OWNERSHIP AND LIGHT TYPE
All Utilities

Utility	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
PGE	764,085	15,997	3,447	0	16,401	21,634	4	1,776	3,430	155	62,844
PP&L	400,930	16,205	8,000	1,407	119	118	0	380	1,714	7	28,030
EMEB	106,100	0	0	0	0	0	0	0	5,175	68	5,243
SUB	41,540	0	0	0	0	0	2,243	0	0	0	2,251
LINCOLN PUD	36,095	0	2,240	0	0	3	0	0	0	0	2,243
CP NATIONAL	37,665	279	1,156	29	0	0	0	124	594	0	2,182
NORTHERN WASCO	11,885	113	1,407	0	0	0	0	0	0	0	1,520
ASHLAND	14,940	0	0	0	0	0	0	2	1,368	16	1,386
FOREST GROVE	11,910	0	0	0	0	0	0	3	1,223	0	1,226
SALEM ELECTRIC	113,775	2	993	0	0	161	0	0	0	0	1,156
IDAHO POWER	15,235	165	963	0	6	11	0	0	0	0	1,145
MCMINNVILLE	14,415	0	0	0	0	0	0	0	906	0	906
TILLAMOOK PUD	7,535	0	792	0	0	0	0	0	0	0	792
BANDON	2,330	0	0	0	0	0	0	388	226	0	614
CANBY	7,750	0	0	0	0	0	0	0	551	0	551
MILTON FREEWATER	5,300	0	0	0	0	0	0	0	463	0	463
COLUMBIA BASIN	3,441	0	445	0	0	0	0	0	0	0	445
CONSUMERS POWER	80,990	237	116	0	0	0	0	0	0	0	353
LANE ELECTRIC	6,035	324	0	0	0	0	0	0	0	0	324
MONMOUTH	5,390	0	0	0	0	0	0	0	282	3	285
COLUMBIA RIVER	12,675	202	14	0	16	0	0	0	0	0	232
CLATSKANIE PUD	1,625	0	0	0	0	0	0	158	3	0	161
EMERALD PUD	3,060	0	88	0	0	0	0	0	0	0	88
CENTRL ELECTRIC		0	60	0	0	0	0	0	0	0	60
Total	1,704,706	33,524	19,801	1,436	16,550	21,927	2,247	2,831	15,935	249	114,500
Percent of Total		29.28%	17.29%	1.25%	14.45%	19.15%	1.96%	2.47%	13.92%	0.22%	100.00%

TABLE I-A.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Utilities

Utility	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
PGE	34,174	54.38%	28,511	45.37%	159	0.25%	62,844
PP&L	16,704	59.59%	9,912	35.36%	1,414	5.04%	28,030
EMEB	0	0.00%	5,175	98.70%	68	1.30%	5,243
SUB	8	0.36%	0	0.00%	2,243	99.64%	2,251
LINCOLN PUD	0	0.00%	2,243	100.00%	0	0.00%	2,243
CP NATIONAL	403	18.47%	1,750	80.20%	29	1.33%	2,182
NORTHERN WASCO	113	7.43%	1,407	92.57%	0	0.00%	1,520
ASHLAND	2	0.14%	1,368	98.70%	16	1.15%	1,386
FOREST GROVE	3	0.24%	1,223	99.76%	0	0.00%	1,226
SALEM ELECTRIC	2	0.17%	1,154	99.83%	0	0.00%	1,156
IDAHO POWER	171	14.93%	974	85.07%	0	0.00%	1,145
MCMINNVILLE	0	0.00%	906	100.00%	0	0.00%	906
TILLAMOOK PUD	0	0.00%	792	100.00%	0	0.00%	792
BANDON	388	63.19%	226	36.81%	0	0.00%	614
CANBY	0	0.00%	551	100.00%	0	0.00%	551
MILTON FREEMATER	0	0.00%	463	100.00%	0	0.00%	463
COLUMBIA BASIN	0	0.00%	445	100.00%	0	0.00%	445
CONSUMERS POWER	237	67.14%	116	32.86%	0	0.00%	353
LANE ELECTRIC	324	100.00%	0	0.00%	0	0.00%	324
MONMOUTH	0	0.00%	282	98.95%	3	1.05%	285
COLUMBIA RIVER	218	93.97%	14	6.03%	0	0.00%	232
CLATSKANIE PUD	158	98.14%	3	1.86%	0	0.00%	161
EMERALD PUD	0	0.00%	88	100.00%	0	0.00%	88
CENTRL ELECTRIC	0	0.00%	60	100.00%	0	0.00%	60
Total	52,985	46.21%	57,663	50.36%	3,932	3.43%	114,580

TABLE I-A.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Utilities

Utility	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total Lights
	#	%	#	%	#	%	
PGE	19,444	30.94%	30,039	60.53%	5,361	8.53%	62,844
PP&L	25,692	91.66%	237	0.85%	2,101	7.50%	28,030
EMEB	0	0.00%	0	0.00%	5,243	100.00%	5,243
SUB	0	0.00%	2,251	100.00%	0	0.00%	2,251
LINCOLN PUD	2,240	99.87%	3	0.13%	0	0.00%	2,243
CP NATIONAL	1,464	67.09%	0	0.00%	718	32.91%	2,182
NORTHERN WASCO	1,520	100.00%	0	0.00%	0	0.00%	1,520
ASHLAND	0	0.00%	0	0.00%	1,386	100.00%	1,386
FOREST GROVE	0	0.00%	0	0.00%	1,226	100.00%	1,226
SALEM ELECTRIC	995	86.07%	161	13.93%	0	0.00%	1,156
IDAHO POWER	1,128	98.52%	17	1.48%	0	0.00%	1,145
MCHINNIVILLE	0	0.00%	0	0.00%	906	100.00%	906
TILLAMOOK PUD	792	100.00%	0	0.00%	0	0.00%	792
BANDON	0	0.00%	0	0.00%	614	100.00%	614
CANBY	0	0.00%	0	0.00%	551	100.00%	551
MILTON FREEWATER	0	0.00%	0	0.00%	463	100.00%	463
COLUMBIA BASIN	445	100.00%	0	0.00%	0	0.00%	445
CONSUMERS POWER	353	100.00%	0	0.00%	0	0.00%	353
LANE ELECTRIC	324	100.00%	0	0.00%	0	0.00%	324
MONMOUTH	0	0.00%	0	0.00%	285	100.00%	285
COLUMBIA RIVER	216	93.10%	16	6.90%	0	0.00%	232
CLATSKANIE PUD	0	0.00%	0	0.00%	161	100.00%	161
EMERALD PUD	88	100.00%	0	0.00%	0	0.00%	88
CENTRAL ELECTRIC	60	100.00%	0	0.00%	0	0.00%	60
TOTAL	54,761	47.83%	40,724	35.57%	19,015	16.61%	114,500

TABLE I-B.1

STREETLIGHT INVENTORY BY OWNERSHIP AND LIGHT TYPE
All Cities

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
STAYTON	4,815	281	0	0	0	0	0	0	0	0	281
ST. PAUL	330	39	4	0	0	0	0	0	0	0	43
ST. HELENS	7,260	506	44	0	4	7	3	2	0	4	570
SUBLIMITY	1,430	76	47	0	0	0	0	0	0	0	123
SUMMERVILLE	155	0	13	0	0	0	0	0	0	0	13
SUMPTER	150	0	21	0	0	0	0	0	0	0	21
SUTHERLIN	4,320	301	45	0	0	0	0	0	0	0	346
SWEET HOME	6,800	323	148	0	0	0	0	0	0	0	471
TALENT	2,660	75	30	0	0	0	0	0	0	0	105
THE DALLES	10,900	111	1,305	0	0	0	0	0	0	0	1,416
TIGARD	20,250	337	246	0	155	22	0	0	0	0	760
TILLAMOOK	3,925	0	273	0	0	0	0	0	0	0	273
TOLEDO	3,275	0	453	0	0	0	0	0	0	0	453
TUALATIN	10,350	179	18	0	617	180	0	0	0	0	994
TURNER	1,210	83	5	0	0	0	0	0	0	0	88
UMATILLA	2,900	184	19	0	0	0	0	0	0	0	203
UNION	2,120	27	42	0	0	0	0	0	0	0	69
UNITY	110	0	8	0	0	0	0	0	0	0	8
VALE	1,670	34	152	0	6	0	0	0	0	0	192
VENETA	2,335	29	65	0	0	0	0	0	0	0	94
WALDPORT	1,590	0	119	0	0	0	0	0	0	0	119
WALLOWA	810	0	60	0	0	0	0	0	0	0	60
WARRENTON	2,475	52	32	118	0	0	0	0	3	0	205
WASCO	445	4	0	0	0	0	0	0	0	0	4
WATERLOO	210	16	2	0	0	0	0	0	0	0	18
WEST LINN	12,950	937	263	0	3	47	0	0	0	0	1,250
WESTON	730	70	11	0	0	0	0	0	0	0	81
WHEELER	350	0	42	0	0	0	0	0	0	0	42
WILLAMINA	1,785	147	3	0	9	2	0	0	0	0	161
WILSONVILLE	3,700	124	202	0	71	52	0	0	11	0	460
WINSTON	3,300	111	47	0	21	0	0	16	0	0	195
WOOD VILLAGE	2,595	94	24	0	0	0	0	0	0	0	118
WOODBURN	11,700	605	125	0	0	0	0	0	0	0	730
YACHTS	560	0	58	0	0	0	0	0	0	0	58
YAMHILL	650	63	0	0	0	0	0	0	0	0	63
Total	1,520,005	33,524	19,801	1,436	16,550	21,927	2,247	2,831	15,935	249	114,500
Percent of Total		29.28%	17.29%	1.25%	14.45%	19.15%	1.96%	2.47%	13.92%	0.22%	100.00%

TABLE I-B.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
ADAIR	40	100.00%	0	0.00%	0	0.00%	40
ADAMS	26	92.86%	2	7.14%	0	0.00%	28
ADRIAN	0	0.00%	13	100.00%	0	0.00%	13
ALBANY	2,182	70.82%	899	29.18%	0	0.00%	3,081
AMITY	76	89.41%	9	10.59%	0	0.00%	85
ARLINGTON	30	35.71%	54	64.29%	0	0.00%	84
ASHLAND	2	0.14%	1,368	98.70%	16	1.15%	1,386
ASTORIA	342	41.20%	350	42.17%	138	16.53%	830
ATHENA	117	89.31%	14	10.69%	0	0.00%	131
AUMSVILLE	107	92.24%	9	7.76%	0	0.00%	116
AURORA	60	89.55%	7	10.45%	0	0.00%	67
BAKER	124	17.27%	594	82.73%	0	0.00%	718
BANDON	388	63.19%	226	36.81%	0	0.00%	614
BANKS	46	100.00%	0	0.00%	0	0.00%	46
BARLOW	16	100.00%	0	0.00%	0	0.00%	16
BAY CITY	0	0.00%	107	100.00%	0	0.00%	107
BEAVERTON	1,593	56.27%	1,238	43.73%	0	0.00%	2,831
BEND	367	34.20%	394	36.72%	312	29.08%	1,073
BONANZA	33	78.57%	9	21.43%	0	0.00%	42
BROWNSVILLE	43	40.57%	35	33.02%	28	26.42%	106
BURNS	0	0.00%	45	100.00%	0	0.00%	45
BUTTE FALLS	35	92.11%	3	7.89%	0	0.00%	38
CANBY	0	0.00%	551	100.00%	0	0.00%	551
CANNON BEACH	50	32.47%	46	29.87%	58	37.66%	154
CANYON CITY	27	40.30%	40	59.70%	0	0.00%	67
CANYONVILLE	64	78.05%	18	21.95%	0	0.00%	82
CARLTON	112	99.12%	1	0.88%	0	0.00%	113
CAVE JUNCTION	55	80.88%	13	19.12%	0	0.00%	68
CENTRAL POINT	345	95.04%	17	4.58%	1	0.28%	363
CHILOQUIN	94	97.92%	2	2.08%	0	0.00%	96
CLATSKANIE	158	98.14%	3	1.86%	0	0.00%	161
COBURG	52	82.54%	11	17.46%	0	0.00%	63
COQUILLE	237	59.85%	159	40.15%	0	0.00%	396
COLUMBIA CITY	79	89.77%	8	9.09%	1	1.14%	88
CONDON	0	0.00%	130	100.00%	0	0.00%	130
COOS BAY	352	39.02%	550	60.98%	0	0.00%	902
CORNELIUS	261	95.25%	13	4.74%	0	0.00%	274
CORVALLIS	1,042	49.67%	1,056	50.33%	0	0.00%	2,098
COTTAGE GROVE	335	77.37%	98	22.63%	0	0.00%	433
COVE	11	35.48%	20	64.52%	0	0.00%	31
CRESWELL	92	76.03%	29	23.97%	0	0.00%	121
DALLAS	390	83.16%	79	16.84%	0	0.00%	469
DAYTON	92	92.00%	6	6.00%	2	2.00%	100
DAYVILLE	0	0.00%	27	100.00%	0	0.00%	27

TABLE I-B.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
DEPUE BAY	0	0.00%	60	100.00%	0	0.00%	60
DETROIT	72	100.00%	0	0.00%	0	0.00%	72
DONALD	35	100.00%	0	0.00%	0	0.00%	35
DUFUR	2	1.92%	102	98.08%	0	0.00%	104
DUNDEE	70	68.63%	32	31.37%	0	0.00%	102
DUNES CITY	0	0.00%	63	100.00%	0	0.00%	63
DURHAM	64	87.67%	9	12.33%	0	0.00%	73
EAGLE POINT	171	81.43%	39	18.57%	0	0.00%	210
ECHO	67	91.78%	6	8.22%	0	0.00%	73
ELGIN	0	0.00%	138	100.00%	0	0.00%	138
ENTERPRISE	95	61.69%	59	38.31%	0	0.00%	154
ESTACADA	108	81.20%	25	18.80%	0	0.00%	133
EUGENE	0	0.00%	5,175	98.70%	68	1.30%	5,243
FAIRVIEW	80	72.73%	30	27.27%	0	0.00%	110
FALLS CITY	42	93.33%	3	6.67%	0	0.00%	45
FLORENCE	0	0.00%	289	100.00%	0	0.00%	289
FOREST GROVE	3	0.24%	1,223	99.76%	0	0.00%	1,226
FOSSIL	0	0.00%	75	100.00%	0	0.00%	75
GARIBALDI	0	0.00%	69	100.00%	0	0.00%	69
GASTON	42	95.45%	2	4.55%	0	0.00%	44
GATES	15	38.46%	24	61.54%	0	0.00%	39
GEARHART	39	36.79%	21	19.81%	46	43.40%	106
GERVAIS	55	75.34%	18	24.66%	0	0.00%	73
GLADSTONE	403	81.91%	88	17.89%	1	0.20%	492
GLENDALE	34	33.33%	6	5.88%	62	60.78%	102
GOLD HILL	0	0.00%	61	100.00%	0	0.00%	61
GRANTS PASS	1,005	92.80%	78	7.20%	0	0.00%	1,083
GRASS VALLEY	25	100.00%	0	0.00%	0	0.00%	25
GRESHAM	2,108	74.73%	713	25.27%	0	0.00%	2,821
HAINES	1	2.63%	8	21.05%	29	76.32%	38
HALFWAY	8	20.51%	31	79.49%	0	0.00%	39
HALSEY	6	7.79%	17	22.08%	54	70.13%	77
HAMMOND	29	46.77%	4	6.45%	29	46.77%	62
HARRISBURG	89	78.75%	23	20.35%	1	0.88%	113
HELIX	20	100.00%	0	0.00%	0	0.00%	20
HEPPNER	0	0.00%	162	100.00%	0	0.00%	162
HERMISTON	354	68.60%	162	31.40%	0	0.00%	516
HILLSBORO	1,557	75.25%	512	24.75%	0	0.00%	2,069
HINES	0	0.00%	83	100.00%	0	0.00%	83
HOOD RIVER	62	43.36%	2	1.40%	79	55.24%	143
HUBBARD	129	92.14%	11	7.86%	0	0.00%	140
HUNTINGTON	12	17.39%	57	82.61%	0	0.00%	69
IDANHA	30	100.00%	0	0.00%	0	0.00%	30
IMBLER	12	54.55%	10	45.45%	0	0.00%	22

TABLE I-B.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
INDEPENDENCE	185	81.86%	16	7.88%	25	11.06%	226
IONE	0	0.00%	44	100.00%	0	0.00%	44
ISLAND CITY	22	57.89%	16	42.11%	0	0.00%	38
JACKSONVILLE	24	17.91%	106	79.10%	4	2.99%	134
JEFFERSON	74	79.57%	19	20.43%	0	0.00%	93
JOHN DAY	51	39.23%	79	60.77%	0	0.00%	130
JOHNSON CITY	36	100.00%	0	0.00%	0	0.00%	36
JORDAN VAL	5	20.83%	19	79.17%	0	0.00%	24
JOSEPH	0	0.00%	34	100.00%	0	0.00%	34
JUNCTION CITY	212	85.48%	36	14.52%	0	0.00%	248
KEIZER	13	3.19%	394	96.81%	0	0.00%	407
KING CITY	11	57.89%	1	5.26%	7	36.84%	19
KLAMATH FALLS	638	56.16%	338	29.75%	160	14.08%	1,136
LAFAYETTE	105	97.22%	2	1.85%	1	0.93%	108
LAGRANDE	116	20.86%	440	79.14%	0	0.00%	556
LAKE OSWEGO	1,872	80.65%	449	19.35%	0	0.00%	2,321
LAKESIDE	0	0.00%	108	100.00%	0	0.00%	108
LAKEVIEW	154	62.60%	92	37.40%	0	0.00%	246
LEBANON	487	81.71%	109	18.29%	0	0.00%	596
LEXINGTON	0	0.00%	31	100.00%	0	0.00%	31
LINCOLN CITY	535	59.84%	359	40.16%	0	0.00%	894
LONE ROCK	0	0.00%	3	100.00%	0	0.00%	3
LONG CREEK	0	0.00%	40	100.00%	0	0.00%	40
LOSTINE	16	100.00%	0	0.00%	0	0.00%	16
LOWELL	0	0.00%	23	100.00%	0	0.00%	23
LYONS	31	81.58%	7	18.42%	0	0.00%	38
MADRAS	38	28.36%	96	71.64%	0	0.00%	134
MALIN	40	90.91%	2	4.55%	2	4.55%	44
MANZANITA	0	0.00%	79	100.00%	0	0.00%	79
MCMINNVILLE	0	0.00%	906	100.00%	0	0.00%	906
MEDFORD	1,177	43.50%	1,491	55.10%	38	1.40%	2,706
MERRILL	71	98.61%	1	1.39%	0	0.00%	72
METOLIUS	6	18.75%	26	81.25%	0	0.00%	32
MILL CITY	94	61.44%	59	38.56%	0	0.00%	153
MILLERSBURG	63	70.79%	26	29.21%	0	0.00%	89
MILTON FREEWATER	0	0.00%	463	100.00%	0	0.00%	463
MILWAUKIE	1,775	93.32%	127	6.68%	0	0.00%	1,902
MOLALLA	265	92.98%	20	7.02%	0	0.00%	285
MONMOUTH	0	0.00%	282	98.95%	3	1.05%	285
MONROE	25	69.44%	11	30.56%	0	0.00%	36
MORO	41	100.00%	0	0.00%	0	0.00%	41
MT. ANGEL	125	85.62%	21	14.38%	0	0.00%	146
MT. VERNON	0	0.00%	50	100.00%	0	0.00%	50
MYRTLE CREEK	94	44.76%	116	55.24%	0	0.00%	210

TABLE I-B.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
MYRTLE POINT	173	57.10%	130	42.90%	0	0.00%	303
NEHALEM	0	0.00%	55	100.00%	0	0.00%	55
NEWBERG	674	90.23%	73	9.77%	0	0.00%	747
NEWPORT	0	0.00%	734	100.00%	0	0.00%	734
NORTH BEND	405	55.33%	327	44.67%	0	0.00%	732
NORTH PLAINS	54	91.53%	5	8.47%	0	0.00%	59
NORTH POWDER	0	0.00%	40	100.00%	0	0.00%	40
NYSSA	34	17.26%	163	82.74%	0	0.00%	197
OAKLAND	35	66.04%	18	33.96%	0	0.00%	53
OAKRIDGE	295	100.00%	0	0.00%	0	0.00%	295
ONTARIO	71	12.16%	513	87.84%	0	0.00%	584
OREGON CITY	931	84.10%	176	15.90%	0	0.00%	1,107
PENDLETON	524	52.30%	462	46.11%	16	1.60%	1,002
PHILOMATH	39	23.21%	80	47.62%	49	29.17%	168
PHOENIX	47	37.30%	77	61.11%	2	1.59%	126
PILOT ROCK	128	92.09%	10	7.19%	1	0.72%	139
PORTLAND	13,611	38.07%	22,004	61.54%	138	0.39%	35,753
POWERS	38	58.46%	27	41.54%	0	0.00%	65
PRAIRIE CITY	0	0.00%	43	100.00%	0	0.00%	43
PRESCOTT	19	95.00%	1	5.00%	0	0.00%	20
PRINEVILLE	178	42.50%	240	57.42%	0	0.00%	418
RAINIER	132	92.31%	11	7.69%	0	0.00%	143
REDMOND	152	34.31%	202	45.60%	89	20.09%	443
REEDSPORT	0	0.00%	306	100.00%	0	0.00%	306
RICHLAND	1	5.26%	18	94.74%	0	0.00%	19
RIDDLE	47	52.81%	42	47.19%	0	0.00%	89
ROCKAWAY	0	0.00%	167	100.00%	0	0.00%	167
ROGUE RIVER	99	88.39%	11	9.82%	2	1.79%	112
ROSEBURG	783	75.43%	255	24.57%	0	0.00%	1,038
SALEM	2,725	55.59%	2,177	44.41%	0	0.00%	4,902
SANDY	229	78.42%	63	21.58%	0	0.00%	292
SCAPPOOSE	288	93.20%	21	6.80%	0	0.00%	309
SCIO	0	0.00%	63	100.00%	0	0.00%	63
SCOTTS MILL	0	0.00%	23	100.00%	0	0.00%	23
SEASIDE	66	13.10%	338	67.06%	100	19.84%	504
SENECA	12	92.31%	1	7.69%	0	0.00%	13
SHADY COVE	19	82.61%	4	17.39%	0	0.00%	23
SHERIDAN	156	86.19%	23	12.71%	2	1.10%	181
SHERWOOD	132	68.75%	60	31.25%	0	0.00%	192
SILETZ	0	0.00%	53	100.00%	0	0.00%	53
SILVERTON	278	84.50%	51	15.50%	0	0.00%	329
SISTERS	0	0.00%	35	100.00%	0	0.00%	35
SPRINGFIELD	8	0.36%	0	0.00%	2,243	99.64%	2,251
STANFIELD	90	76.92%	27	23.08%	0	0.00%	117

TABLE I-B.2

STREETLIGHT INVENTORY, BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Total
	#	%	#	%	#	%	
STAYTON	281	100.00%	0	0.00%	0	0.00%	281
ST. PAUL	39	90.70%	4	9.30%	0	0.00%	43
ST. HELENS	512	89.82%	51	8.95%	7	1.23%	570
SUBLINITY	76	61.79%	47	38.21%	0	0.00%	123
SUMMERVILLE	0	0.00%	13	100.00%	0	0.00%	13
SUMPTER	0	0.00%	21	100.00%	0	0.00%	21
SUTHERLIN	301	86.99%	45	13.01%	0	0.00%	346
SWEET HOME	323	68.58%	148	31.42%	0	0.00%	471
TALENT	75	71.43%	30	28.57%	0	0.00%	105
THE DALLES	111	7.84%	1,305	92.16%	0	0.00%	1,416
TIGARD	492	64.74%	268	35.26%	0	0.00%	760
TILLAMOOK	0	0.00%	273	100.00%	0	0.00%	273
TOLEDO	0	0.00%	453	100.00%	0	0.00%	453
TUALATIN	796	80.08%	198	19.92%	0	0.00%	994
TURNER	83	94.32%	5	5.68%	0	0.00%	88
UMATILLA	184	90.64%	19	9.36%	0	0.00%	203
UNION	27	39.13%	42	60.87%	0	0.00%	69
UNITY	0	0.00%	8	100.00%	0	0.00%	8
VALE	40	20.83%	152	79.17%	0	0.00%	192
VENETA	29	30.85%	65	69.15%	0	0.00%	94
WALDPOR	0	0.00%	119	100.00%	0	0.00%	119
WALLOWA	0	0.00%	60	100.00%	0	0.00%	60
WARRENTON	52	25.37%	35	17.07%	118	57.56%	205
MASCO	4	100.00%	0	0.00%	0	0.00%	4
WATERLOO	16	88.89%	2	11.11%	0	0.00%	18
WEST LINN	940	75.20%	310	24.80%	0	0.00%	1,250
WESTON	70	86.42%	11	13.58%	0	0.00%	81
WHEELER	0	0.00%	42	100.00%	0	0.00%	42
WILLAMINA	156	96.89%	5	3.11%	0	0.00%	161
WILSONVILLE	195	42.39%	265	57.61%	0	0.00%	460
WINSTON	148	75.90%	47	24.10%	0	0.00%	195
WOOD VILLAGE	94	79.66%	24	20.34%	0	0.00%	118
WOODBURN	605	82.88%	125	17.12%	0	0.00%	730
YACHATS	0	0.00%	58	100.00%	0	0.00%	58
YAMHILL	63	100.00%	0	0.00%	0	0.00%	63
TOTAL	52,905	46.21%	57,663	50.36%	3,932	3.43%	114,500

TABLE I-B.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total
	#	%	#	%	#	%	
ADAIR	40	100.00%	0	0.00%	0	0.00%	40
ADAMS	28	100.00%	0	0.00%	0	0.00%	28
ADRIAN	13	100.00%	0	0.00%	0	0.00%	13
ALBANY	2,990	97.05%	90	2.92%	1	0.03%	3,081
AMITY	85	100.00%	0	0.00%	0	0.00%	85
ARLINGTON	84	100.00%	0	0.00%	0	0.00%	84
ASHLAND	0	0.00%	0	0.00%	1,386	100.00%	1,386
ASTORIA	785	94.58%	41	4.94%	4	0.48%	830
ATHENA	131	100.00%	0	0.00%	0	0.00%	131
AUMSVILLE	116	100.00%	0	0.00%	0	0.00%	116
AURORA	67	100.00%	0	0.00%	0	0.00%	67
BAKER	0	0.00%	0	0.00%	718	100.00%	718
BANDON	0	0.00%	0	0.00%	614	100.00%	614
BANKS	46	100.00%	0	0.00%	0	0.00%	46
BARLOW	16	100.00%	0	0.00%	0	0.00%	16
BAY CITY	107	100.00%	0	0.00%	0	0.00%	107
BEAVERTON	2,002	78.72%	250	8.83%	579	20.45%	2,831
BEND	1,060	98.79%	0	0.00%	13	1.21%	1,073
BONANZA	42	100.00%	0	0.00%	0	0.00%	42
BROWNSVILLE	106	100.00%	0	0.00%	0	0.00%	106
BURNS	45	100.00%	0	0.00%	0	0.00%	45
BUTTE FALLS	38	100.00%	0	0.00%	0	0.00%	38
CANBY	0	0.00%	0	0.00%	551	100.00%	551
CANNON BEACH	154	100.00%	0	0.00%	0	0.00%	154
CANYON CITY	67	100.00%	0	0.00%	0	0.00%	67
CANYONVILLE	82	100.00%	0	0.00%	0	0.00%	82
CARLTON	113	100.00%	0	0.00%	0	0.00%	113
CAVE JUNCTION	0	0.00%	0	0.00%	68	100.00%	68
CENTRAL POINT	363	100.00%	0	0.00%	0	0.00%	363
CHILDQUIN	96	100.00%	0	0.00%	0	0.00%	96
CLATSKANIE	0	0.00%	0	0.00%	161	100.00%	161
COBURG	63	100.00%	0	0.00%	0	0.00%	63
COQUILLE	396	100.00%	0	0.00%	0	0.00%	396
COLUMBIA CITY	0	0.00%	88	100.00%	0	0.00%	88
CONDON	130	100.00%	0	0.00%	0	0.00%	130
COOS BAY	712	78.94%	0	0.00%	190	21.06%	902
CORNELIUS	153	55.84%	121	44.16%	0	0.00%	274
CORVALLIS	2,055	97.95%	0	0.00%	43	2.05%	2,098
COTTAGE GROVE	433	100.00%	0	0.00%	0	0.00%	433
COVE	31	100.00%	0	0.00%	0	0.00%	31
CRESWELL	121	100.00%	0	0.00%	0	0.00%	121
DALLAS	469	100.00%	0	0.00%	0	0.00%	469
DAYTON	86	86.00%	12	12.00%	2	2.00%	100
DAYVILLE	27	100.00%	0	0.00%	0	0.00%	27

TABLE I-B.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total
	#	%	#	%	#	%	
DEPOE BAY	60	100.00%	0	0.00%	0	0.00%	60
DETROIT	72	100.00%	0	0.00%	0	0.00%	72
DONALD	35	100.00%	0	0.00%	0	0.00%	35
DUFUR	104	100.00%	0	0.00%	0	0.00%	104
DUNDEE	97	95.10%	5	4.90%	0	0.00%	102
DUNES CITY	63	100.00%	0	0.00%	0	0.00%	63
DURHAM	17	23.29%	56	76.71%	0	0.00%	73
EAGLE POINT	210	100.00%	0	0.00%	0	0.00%	210
ECHO	73	100.00%	0	0.00%	0	0.00%	73
ELGIN	138	100.00%	0	0.00%	0	0.00%	138
ENTERPRISE	154	100.00%	0	0.00%	0	0.00%	154
ESTACADA	133	100.00%	0	0.00%	0	0.00%	133
EUGENE	0	0.00%	0	0.00%	5,243	100.00%	5,243
FAIRVIEW	81	73.64%	29	26.36%	0	0.00%	110
FALLS CITY	45	100.00%	0	0.00%	0	0.00%	45
FLORENCE	289	100.00%	0	0.00%	0	0.00%	289
FOREST GROVE	0	0.00%	0	0.00%	1,226	100.00%	1,226
FOSSIL	75	100.00%	0	0.00%	0	0.00%	75
GARIBALDI	69	100.00%	0	0.00%	0	0.00%	69
GASTON	44	100.00%	0	0.00%	0	0.00%	44
GATES	39	100.00%	0	0.00%	0	0.00%	39
GEARHART	106	100.00%	0	0.00%	0	0.00%	106
GERVAIS	73	100.00%	0	0.00%	0	0.00%	73
GLADSTONE	2	0.41%	486	98.78%	4	0.81%	492
GLENDALE	102	100.00%	0	0.00%	0	0.00%	102
GOLD HILL	61	100.00%	0	0.00%	0	0.00%	61
GRANTS PASS	1,083	100.00%	0	0.00%	0	0.00%	1,083
GRASS VALLEY	25	100.00%	0	0.00%	0	0.00%	25
GRESHAM	2,038	72.24%	783	27.76%	0	0.00%	2,821
HAINES	38	100.00%	0	0.00%	0	0.00%	38
HALFWAY	39	100.00%	0	0.00%	0	0.00%	39
HALSEY	77	100.00%	0	0.00%	0	0.00%	77
HAMMOND	62	100.00%	0	0.00%	0	0.00%	62
HARRISBURG	113	100.00%	0	0.00%	0	0.00%	113
HELIX	20	100.00%	0	0.00%	0	0.00%	20
HEPPNER	162	100.00%	0	0.00%	0	0.00%	162
HERMISTON	516	100.00%	0	0.00%	0	0.00%	516
HILLSBORO	1,954	94.44%	115	5.56%	0	0.00%	2,069
HINES	83	100.00%	0	0.00%	0	0.00%	83
HOOD RIVER	140	97.90%	3	2.10%	0	0.00%	143
HUBBARD	140	100.00%	0	0.00%	0	0.00%	140
HUNTINGTON	69	100.00%	0	0.00%	0	0.00%	69
IDANHA	30	100.00%	0	0.00%	0	0.00%	30
IMBLER	22	100.00%	0	0.00%	0	0.00%	22

TABLE I-8.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total
	#	%	#	%	#	%	
INDEPENDENCE	226	100.00%	0	0.00%	0	0.00%	226
IONE	44	100.00%	0	0.00%	0	0.00%	44
ISLAND CITY	38	100.00%	0	0.00%	0	0.00%	38
JACKSONVILLE	134	100.00%	0	0.00%	0	0.00%	134
JEFFERSON	93	100.00%	0	0.00%	0	0.00%	93
JOHN DAY	130	100.00%	0	0.00%	0	0.00%	130
JOHNSON CITY	1	2.78%	1	2.78%	34	94.44%	36
JORDAN VAL	24	100.00%	0	0.00%	0	0.00%	24
JOSEPH	34	100.00%	0	0.00%	0	0.00%	34
JUNCTION CITY	248	100.00%	0	0.00%	0	0.00%	248
KEIZER	392	96.31%	15	3.69%	0	0.00%	407
KING CITY	12	63.16%	0	0.00%	7	36.84%	19
KLAMATH FALLS	843	74.21%	75	6.60%	218	19.19%	1,136
LAFAYETTE	107	99.07%	0	0.00%	1	0.93%	108
LAGRANDE	556	100.00%	0	0.00%	0	0.00%	556
LAKE OSWEGO	20	0.85%	2,301	99.14%	0	0.00%	2,321
LAKESIDE	108	100.00%	0	0.00%	0	0.00%	108
LAKEVIEW	246	100.00%	0	0.00%	0	0.00%	246
LEBANON	596	100.00%	0	0.00%	0	0.00%	596
LEXINGTON	31	100.00%	0	0.00%	0	0.00%	31
LINCOLN CITY	894	100.00%	0	0.00%	0	0.00%	894
LONE ROCK	3	100.00%	0	0.00%	0	0.00%	3
LONG CREEK	40	100.00%	0	0.00%	0	0.00%	40
LOSTINE	16	100.00%	0	0.00%	0	0.00%	16
LOWELL	23	100.00%	0	0.00%	0	0.00%	23
LYONS	38	100.00%	0	0.00%	0	0.00%	38
MADRAS	134	100.00%	0	0.00%	0	0.00%	134
MALIN	44	100.00%	0	0.00%	0	0.00%	44
MANZANITA	79	100.00%	0	0.00%	0	0.00%	79
MCMINNVILLE	0	0.00%	0	0.00%	906	100.00%	906
MEDFORD	1,172	43.31%	0	0.00%	1,534	56.69%	2,706
MERRILL	72	100.00%	0	0.00%	0	0.00%	72
METOLIUS	32	100.00%	0	0.00%	0	0.00%	32
MILL CITY	153	100.00%	0	0.00%	0	0.00%	153
MILLERSBURG	89	100.00%	0	0.00%	0	0.00%	89
MILTON FREEWAT	0	0.00%	0	0.00%	463	100.00%	463
MILWAUKIE	1,788	94.01%	114	5.99%	0	0.00%	1,902
MOLALLA	253	88.77%	32	11.23%	0	0.00%	285
MONMOUTH	0	0.00%	0	0.00%	285	100.00%	285
MONROE	36	100.00%	0	0.00%	0	0.00%	36
MORO	41	100.00%	0	0.00%	0	0.00%	41
MT. ANGEL	146	100.00%	0	0.00%	0	0.00%	146
MT. VERNON	50	100.00%	0	0.00%	0	0.00%	50
MYRTLE CREEK	210	100.00%	0	0.00%	0	0.00%	210

TABLE I-B.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total
	#	%	#	%	#	%	
MYRTLE POINT	303	100.00%	0	0.00%	0	0.00%	303
NEHALEM	55	100.00%	0	0.00%	0	0.00%	55
NEWBERG	445	59.57%	300	40.16%	2	0.27%	747
NEWPORT	734	100.00%	0	0.00%	0	0.00%	734
NORTH BEND	732	100.00%	0	0.00%	0	0.00%	732
NORTH PLAINS	59	100.00%	0	0.00%	0	0.00%	59
NORTH POWDER	40	100.00%	0	0.00%	0	0.00%	40
NYSSA	197	100.00%	0	0.00%	0	0.00%	197
OAKLAND	53	100.00%	0	0.00%	0	0.00%	53
OAKRIDGE	295	100.00%	0	0.00%	0	0.00%	295
ONTARIO	573	98.12%	11	1.88%	0	0.00%	584
OREGON CITY	1,003	90.61%	63	5.69%	41	3.70%	1,107
PENDLETON	988	98.60%	7	0.70%	7	0.70%	1,002
PHILOMATH	168	100.00%	0	0.00%	0	0.00%	168
PHOENIX	126	100.00%	0	0.00%	0	0.00%	126
PILOT ROCK	139	100.00%	0	0.00%	0	0.00%	139
PORTLAND	16	0.04%	31,072	86.91%	4,665	13.05%	35,753
POWERS	65	100.00%	0	0.00%	0	0.00%	65
PRAIRIE CITY	43	100.00%	0	0.00%	0	0.00%	43
PRESCOTT	20	100.00%	0	0.00%	0	0.00%	20
PRINEVILLE	418	100.00%	0	0.00%	0	0.00%	418
RAINIER	138	96.50%	5	3.50%	0	0.00%	143
REDMOND	443	100.00%	0	0.00%	0	0.00%	443
REEDSPORT	303	99.02%	3	0.98%	0	0.00%	306
RICHLAND	19	100.00%	0	0.00%	0	0.00%	19
RIDDLE	89	100.00%	0	0.00%	0	0.00%	89
ROCKAWAY	167	100.00%	0	0.00%	0	0.00%	167
ROGUE RIVER	112	100.00%	0	0.00%	0	0.00%	112
ROSEBURG	1,038	100.00%	0	0.00%	0	0.00%	1,038
SALEM	3,889	79.33%	1,006	20.52%	7	0.14%	4,902
SANDY	181	61.99%	111	38.01%	0	0.00%	292
SCAPPOOSE	309	100.00%	0	0.00%	0	0.00%	309
SCIO	63	100.00%	0	0.00%	0	0.00%	63
SCOTTS MILL	23	100.00%	0	0.00%	0	0.00%	23
SEASIDE	500	99.21%	0	0.00%	4	0.79%	504
SENECA	13	100.00%	0	0.00%	0	0.00%	13
SHADY COVE	23	100.00%	0	0.00%	0	0.00%	23
SHERIDAN	174	96.13%	5	2.76%	2	1.10%	181
SHERWOOD	118	61.46%	74	38.54%	0	0.00%	192
SILETZ	53	100.00%	0	0.00%	0	0.00%	53
SILVERTON	329	100.00%	0	0.00%	0	0.00%	329
SISTERS	35	100.00%	0	0.00%	0	0.00%	35
SPRINGFIELD	0	0.00%	2,251	100.00%	0	0.00%	2,251
STANFIELD	117	100.00%	0	0.00%	0	0.00%	117

TABLE I-B.3

STREETLIGHT INVENTORY, BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Total
	#	%	#	%	#	%	
STAYTON	281	100.00%	0	0.00%	0	0.00%	281
ST. PAUL	43	100.00%	0	0.00%	0	0.00%	43
ST. HELENS	550	96.49%	14	2.46%	6	1.05%	570
SUBLIMITY	123	100.00%	0	0.00%	0	0.00%	123
SUMMERSVILLE	13	100.00%	0	0.00%	0	0.00%	13
SUMPTER	21	100.00%	0	0.00%	0	0.00%	21
SUTHERLIN	346	100.00%	0	0.00%	0	0.00%	346
SWEET HOME	471	100.00%	0	0.00%	0	0.00%	471
TALENT	105	100.00%	0	0.00%	0	0.00%	105
THE DALLES	1,416	100.00%	0	0.00%	0	0.00%	1,416
TIGARD	583	76.71%	177	23.29%	0	0.00%	760
TILLAMOOK	273	100.00%	0	0.00%	0	0.00%	273
TOLEDO	453	100.00%	0	0.00%	0	0.00%	453
TUALATIN	197	19.82%	797	80.18%	0	0.00%	994
TURNER	88	100.00%	0	0.00%	0	0.00%	88
UMATILLA	203	100.00%	0	0.00%	0	0.00%	203
UNION	69	100.00%	0	0.00%	0	0.00%	69
UNITY	8	100.00%	0	0.00%	0	0.00%	8
VALE	186	96.88%	6	3.13%	0	0.00%	192
VENETA	94	100.00%	0	0.00%	0	0.00%	94
WALDPORT	119	100.00%	0	0.00%	0	0.00%	119
WALLOWA	60	100.00%	0	0.00%	0	0.00%	60
WARRENTON	202	98.54%	0	0.00%	3	1.46%	205
WASCO	4	100.00%	0	0.00%	0	0.00%	4
WATERLOO	18	100.00%	0	0.00%	0	0.00%	18
WEST LINN	1,200	96.00%	50	4.00%	0	0.00%	1,250
WESTON	81	100.00%	0	0.00%	0	0.00%	81
WHEELER	42	100.00%	0	0.00%	0	0.00%	42
WILLAMINA	150	93.17%	11	6.83%	0	0.00%	161
WILSONVILLE	326	70.87%	123	26.74%	11	2.39%	460
WINSTON	158	81.03%	21	10.77%	16	8.21%	195
WOOD VILLAGE	118	100.00%	0	0.00%	0	0.00%	118
WOODBURN	730	100.00%	0	0.00%	0	0.00%	730
YACHTS	58	100.00%	0	0.00%	0	0.00%	58
YAMHILL	63	100.00%	0	0.00%	0	0.00%	63
TOTAL	54,761	47.83%	40,724	35.57%	19,015	16.61%	114,500

TABLE I-C.1

STREETLIGHT INVENTORY INDICATORS
Sorted In Alphabetical Order

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
ADAIR	560	40	3	7.14	15.81
ADAMS	245	28	4	11.43	7.18
ADRIAN	155	13	2	8.39	5.80
ALBANY	27,900	3,081	154	11.04	20.01
AMITY	1,040	85	10	8.17	8.21
ARLINGTON	450	84	13	18.67	6.49
ASHLAND	15,660	1,386	86	8.85	16.11
ASTORIA	9,820	830	54	8.45	15.25
ATHENA	955	131	8	13.72	16.13
AUMSVILLE	1,400	116	7	7.84	16.36
AURORA	525	67	5	12.76	13.93
BAKER	9,490	718	88	7.57	8.15
BANDON	2,330	614	25	26.35	24.12
BANKS	495	46	2	9.29	19.91
BARLOW	100	16	1	16.00	15.24
BAY CITY	1,100	107	14	9.73	7.40
BEAVERTON	33,950	2,831	132	8.34	21.41
BEND	18,000	1,073	126	5.96	8.54
BONANZA	325	42	7	12.92	6.28
BROWNSVILLE	1,255	106	16	8.45	6.58
BURNS	2,830	45	27	1.59	1.65
BUTTE FALLS	450	38	3	8.44	12.26
CANBY	7,750	551	50	7.11	11.04
CANNON BEACH	1,250	154	14	12.32	10.85
CANYON CITY	610	67	9	10.98	7.78
CANYONVILLE	1,270	82	10	6.46	8.02
CARLTON	1,270	113	10	8.90	11.69
CAVE JUNCTION	1,150	68	12	5.91	5.72
CENTRAL POINT	6,740	363	37	5.39	9.81
CHILOQUIN	770	96	10	12.47	9.81
CLATSKANIE	1,690	161	10	9.53	16.16
COBURG	650	63	7	9.69	8.73
COQUILLE	4,220	396	23	9.38	17.01
COLUMBIA CITY	750	88	10	11.73	8.95
CONDON	720	130	16	18.06	8.34
COOS BAY	14,695	902	78	6.14	11.63
CORNELIUS	5,050	274	24	5.43	11.54
CORVALLIS	41,580	2,098	166	5.05	12.66
COTTAGE GROVE	7,090	433	41	6.11	10.53
COVE	530	31	7	5.85	4.72
CRESWELL	1,895	121	10	6.39	11.56
DALLAS	8,950	469	43	5.24	10.82
DAYTON	1,390	100	9	7.19	11.24
DAYVILLE	205	27	3	13.17	10.23
DEPOE BAY	825	60	13	7.27	4.67

TABLE I-C.1

STREETLIGHT INVENTORY INDICATORS
Sorted In Alphabetical Order

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
DETROIT	400	72	8	18.00	9.31
DONALD	275	35	3	12.73	12.59
DUFUR	550	104	7	18.91	14.15
DUNDEE	1,300	102	13	7.39	7.92
DUNES CITY	1,170	63	19	5.30	3.23
DURHAM	720	73	4	10.14	19.73
EAGLE POINT	3,010	210	12	6.98	17.34
ECHO	605	73	6	12.07	11.72
ELGIN	1,765	130	17	7.82	8.16
ENTERPRISE	2,070	154	19	7.44	8.24
ESTACADA	1,910	133	16	6.96	8.32
EUGENE	106,100	5,243	459	4.94	11.41
FAIRVIEW	1,850	110	12	5.95	9.52
FALLS CITY	780	45	11	5.77	3.99
FLORENCE	4,645	289	31	6.22	9.28
FOREST GROVE	11,750	1,226	40	10.43	30.38
FOSSIL	530	75	8	14.15	9.27
GARIBALDI	1,070	69	10	6.45	6.74
GASTON	560	44	4	7.86	11.14
GATES	500	39	5	7.80	7.18
GEARHART	1,000	106	14	10.60	7.42
GERVAIS	745	73	6	9.80	12.03
GLADSTONE	9,570	492	44	5.14	11.07
GLENDALE	720	102	6	14.17	17.59
GOLD HILL	910	61	10	6.70	5.84
GRANTS PASS	15,350	1,003	71	7.06	15.27
GRASS VALLEY	180	25	4	13.89	5.85
GRESHAM	37,480	2,821	146	7.53	19.39
HAINES	395	38	7	9.62	5.41
HALFWAY	410	39	3	9.51	12.04
HALSEY	680	77	8	11.32	9.07
HAMMOND	525	62	8	11.81	7.67
HARRISBURG	1,840	113	16	6.14	7.05
HELIX	155	20	2	12.90	9.66
HEPPNER	1,385	162	14	11.70	11.89
HERMISTON	9,890	516	63	5.22	8.25
HILLSBORO	30,270	2,069	113	6.84	18.32
HINES	1,470	83	11	5.65	7.23
HOOD RIVER	4,490	143	31	3.18	4.62
HUBBARD	1,760	140	11	7.95	12.31
HUNTINGTON	555	69	8	12.43	8.26
IDANHA	345	30	6	8.70	5.06
IMBLER	290	22	4	7.59	5.68
INDEPENDENCE	4,145	226	31	5.45	7.32
IONE	345	44	5	12.75	9.19

TABLE I-C.1

STREETLIGHT INVENTORY INDICATORS
Sorted In Alphabetical Order

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
ISLAND CITY	730	38	6	5.21	6.42
JACKSONVILLE	1,990	134	15	6.73	8.78
JEFFERSON	1,755	93	14	5.30	6.78
JOHN DAY	1,985	130	15	6.55	8.06
JOHNSON CITY	390	36	1	9.23	26.28
JORDAN VAL	445	24	4	5.39	5.50
JOSEPH	1,170	34	11	2.91	3.14
JUNCTION CITY	3,850	248	21	8.13	11.91
KEIZER	19,800	407	67	2.06	6.04
KING CITY	1,830	19	8	1.04	2.50
KLAMATH FALLS	17,350	1,136	104	6.55	10.94
LAFAYETTE	1,240	108	7	8.71	15.19
LAGRANDE	12,230	556	71	4.55	7.83
LAKE OSWEGO	24,200	2,321	94	9.59	24.59
LAKESIDE	1,420	108	13	7.61	8.14
LAKEVIEW	2,755	246	17	8.93	14.90
LEBANON	10,270	596	75	5.80	7.92
LEXINGTON	240	31	5	12.92	6.62
LINCOLN CITY	6,060	894	57	14.75	15.72
LONE ROCK	25	3	2	12.00	1.27
LONG CREEK	245	40	4	16.33	9.78
LOSTINE	240	16	4	6.67	4.29
LOWELL	705	23	6	3.26	3.68
LYONS	870	38	10	4.37	3.74
MADRAS	2,320	134	19	5.78	7.00
MALIN	620	44	5	7.10	9.02
MANZANITA	495	79	14	15.96	5.53
MCHINNVILLE	15,175	906	79	5.97	11.53
MEDFORD	41,975	2,706	183	6.45	14.77
MERRILL	845	72	6	8.52	12.46
METOLIUS	455	32	7	7.03	4.62
MILL CITY	1,520	153	13	10.07	11.99
MILLERSBURG	550	89	9	16.18	9.68
MILTON FREEWATE	5,850	463	27	7.91	17.10
MILWAUKIE	17,375	1,902	76	10.95	24.95
MOLALLA	3,100	285	21	9.19	13.51
MONMOUTH	5,390	285	23	5.29	12.13
MONROE	460	36	6	7.83	6.55
MORO	320	41	7	12.81	6.28
MT. ANGEL	2,930	146	10	4.98	14.84
MT. VERNON	620	50	3	8.06	14.97
MYRTLE CREEK	3,200	210	16	6.56	13.02
MYRTLE POINT	2,700	303	17	11.22	18.04
NEHALEM	245	55	5	22.45	11.68
NEWBERG	11,440	747	56	6.53	13.42

TABLE I-C.1

STREETLIGHT INVENTORY INDICATORS
Sorted In Alphabetical Order

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
NEWPORT	8,350	734	59	8.79	12.39
NORTH BEND	9,135	732	59	8.01	12.44
NORTH PLAINS	930	59	8	6.34	7.23
NORTH POWDER	455	40	5	8.79	8.03
NYSSA	2,890	197	19	6.82	10.26
OAKLAND	850	53	8	6.24	6.28
OAKRIDGE	3,580	295	24	8.24	12.34
ONTARIO	9,510	584	56	6.14	10.40
OREGON CITY	14,500	1,107	76	7.63	14.54
PENDLETON	14,400	1,002	84	6.96	11.99
PHILOMATH	2,640	168	13	6.36	12.69
PHOENIX	2,510	126	9	5.02	13.62
PILOT ROCK	1,630	139	3	8.53	40.10
PORTLAND	379,000	35,753	1,800	9.43	19.86
POWERS	775	65	7	8.39	9.04
PRAIRIE CITY	1,125	43	8	3.82	5.38
PRESCOTT	70	20	2	28.57	11.11
PRINEVILLE	5,410	418	36	7.73	11.63
RAINIER	1,560	143	12	9.17	12.17
REDMOND	6,740	443	67	6.57	6.66
REEDSPORT	4,875	306	21	6.28	14.61
RICHLAND	190	19	3	10.00	7.25
RIDDLE	1,115	89	11	7.98	8.09
ROCKAWAY	1,185	167	24	14.09	6.98
ROGUE RIVER	1,440	112	6	7.78	18.06
ROSEBURG	16,025	1,038	97	6.48	10.73
SALEM	94,600	4,902	463	5.18	10.58
SANDY	3,530	292	30	8.27	9.81
SCAPPOOSE	3,410	309	19	9.06	16.05
SCIO	590	63	5	10.68	12.30
SCOTTS MILL	255	23	7	9.02	3.30
SEASIDE	5,300	504	31	9.51	16.12
SENECA	265	13	3	4.91	4.66
SHADY COVE	1,190	23	14	1.93	1.68
SHERIDAN	2,420	181	16	7.48	11.24
SHERWOOD	2,685	192	18	7.15	10.64
SILETZ	1,025	53	9	5.17	6.11
SILVERTON	5,290	329	25	6.22	12.99
SISTERS	740	35	12	4.73	2.89
SPRINGFIELD	40,690	2,251	180	5.53	12.48
STANFIELD	1,660	117	12	7.05	9.69
STAYTON	4,815	281	23	5.84	12.10
ST. PAUL	330	43	3	13.03	15.81
ST. HELENS	7,260	570	33	7.85	17.27
SUBLIMITY	1,430	123	8	8.60	15.39

TABLE I-C.1

STREETLIGHT INVENTORY INDICATORS
Sorted In Alphabetical Order

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
SUMMERVILLE	155	13	2	8.39	6.44
SUMPTER	150	21	10	14.00	2.21
SUTHERLIN	4,320	346	37	8.01	9.39
SWEET HOME	6,800	471	45	6.93	10.46
TALENT	2,660	105	9	3.95	11.23
THE DALLES	10,900	1,416	69	12.99	20.45
TIGARD	20,250	760	88	3.75	8.61
TILLAMOOK	3,925	273	24	6.96	11.49
TOLEDO	3,275	453	23	13.83	19.80
TUALATIN	10,350	994	43	9.60	22.94
TURNER	1,210	88	13	7.27	6.89
UMATILLA	2,980	203	29	6.81	7.04
UNION	2,120	69	30	3.25	2.30
UNITY	110	8	NA	7.27	NA
VALE	1,670	192	18	11.50	10.49
VENETA	2,335	94	18	4.03	5.23
WALDPORT	1,590	119	16	7.48	7.58
WALLOWA	810	60	8	7.41	7.24
WARRENTON	2,475	205	43	8.28	4.78
WASCO	445	4	7	0.90	0.54
WATERLOO	210	18	4	8.57	4.95
WEST LINN	12,950	1,250	86	9.65	14.60
WESTON	730	81	11	11.10	7.08
WHEELER	350	42	6	12.00	6.50
WILLAMINA	1,785	161	12	9.02	13.75
WILSONVILLE	3,700	460	106	12.43	4.33
WINSTON	3,380	195	13	5.77	14.82
WOOD VILLAGE	2,595	118	7	4.55	17.08
WOODBURN	11,700	730	49	6.24	14.90
YACHTS	560	58	10	10.36	6.00
YAMHILL	650	63	7	9.69	9.53
TOTAL	1,520,805	114,500	8,252	-	-

Note: NA indicates not available.

TABLE I-C.2

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
PORTLAND	379,000	35,753	1,800	9.43	19.66
EUGENE	106,100	5,243	459	4.94	11.41
SALEM	94,600	4,902	463	5.18	10.58
MEDFORD	41,975	2,706	183	6.45	14.77
CORVALLIS	41,580	2,098	166	5.05	12.66
SPRINGFIELD	40,690	2,251	180	5.53	12.48
GRESHAM	37,480	2,821	146	7.53	19.39
BEAVERTON	33,950	2,831	132	8.34	21.41
HILLSBORO	30,270	2,069	113	6.84	18.32
ALBANY	27,900	3,081	154	11.04	20.01
LAKE OSWEGO	24,200	2,321	94	9.59	24.59
TIGARD	20,250	760	88	3.75	8.61
KEIZER	19,800	407	67	2.06	6.04
BEND	18,000	1,073	126	5.96	8.54
MILWAUKIE	17,375	1,902	76	10.95	24.95
KLAMATH FALLS	17,350	1,136	104	6.55	10.94
ROSEBURG	16,025	1,038	97	6.48	10.73
ASHLAND	15,660	1,386	86	8.85	16.11
GRANTS PASS	15,350	1,083	71	7.06	15.27
MCMINNVILLE	15,175	906	79	5.97	11.53
COOS BAY	14,695	902	78	6.14	11.63
GREGON CITY	14,500	1,107	76	7.63	14.54
PENDELTON	14,400	1,002	84	6.96	11.99
WEST LINN	12,950	1,250	86	9.65	14.60
LAGRANDE	12,230	556	71	4.55	7.83
FOREST GROVE	11,750	1,226	40	10.43	30.38
WOODBURN	11,700	730	49	6.24	14.90
NEWBERG	11,440	747	56	6.53	13.42
THE DALLES	10,900	1,416	69	12.99	20.45
TUALATIN	10,350	994	43	9.60	22.94
LEBANON	10,270	596	75	5.80	7.92
HEMNISTON	9,890	516	63	5.22	8.25
ASTORIA	9,820	830	54	8.45	15.25
GLADSTONE	9,570	492	44	5.14	11.07
ONTARIO	9,510	584	56	6.14	10.40
BAKER	9,490	718	88	7.57	8.15
NORTH BEND	9,135	732	59	8.01	12.44
DALLAS	8,950	469	43	5.24	10.82
NEWPORT	8,350	734	59	8.79	12.39
CANBY	7,750	551	50	7.11	11.04
ST. HELENS	7,260	570	33	7.85	17.27
COTTAGE GROVE	7,090	433	41	6.11	10.53
SWEET HOME	6,800	471	45	6.93	10.46
REDMOND	6,740	443	67	6.57	6.66
CENTRAL POINT	6,740	363	37	5.39	9.81

TABLE I-C.2

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
LINCOLN CITY	6,060	894	57	14.75	15.72
MILTON FREEWATE	5,850	463	27	7.91	17.10
PRINEVILLE	5,410	418	36	7.73	11.63
MONMOUTH	5,390	285	23	5.29	12.13
SEASIDE	5,300	504	31	9.51	16.12
SILVERTON	5,290	329	25	6.22	12.99
CORNELIUS	5,050	274	24	5.43	11.54
REEDSPORT	4,875	306	21	6.28	14.61
STAYTON	4,815	281	23	5.64	12.10
FLORENCE	4,645	289	31	6.22	9.28
HOOD RIVER	4,490	143	31	3.18	4.62
SUTHERLIN	4,320	346	37	8.01	9.39
COQUILLE	4,220	396	23	9.38	17.01
INDEPENDENCE	4,145	226	31	5.45	7.32
TILLAMOOK	3,925	273	24	6.96	11.49
WILSONVILLE	3,700	460	106	12.43	4.33
OAKRIDGE	3,580	295	24	8.24	12.34
SANDY	3,530	292	30	8.27	9.81
SCAPPOOSE	3,410	309	19	9.06	16.05
WINSTON	3,380	195	13	5.77	14.82
TOLEDO	3,275	453	23	13.83	19.60
MYRTLE CREEK	3,200	210	16	6.56	13.02
MOLALLA	3,100	285	21	9.19	13.51
JUNCTION CITY	3,050	248	21	8.13	11.91
EAGLE POINT	3,010	210	12	6.98	17.34
UMATILLA	2,980	203	29	6.81	7.04
MT. ANGEL	2,930	146	10	4.98	14.64
WYSSA	2,890	197	19	6.82	10.26
BURNS	2,830	45	27	1.59	1.65
LAKEVIEW	2,755	246	17	8.93	14.90
MYRTLE POINT	2,700	303	17	11.22	18.04
SHERWOOD	2,685	192	18	7.15	10.64
TALENT	2,660	105	9	3.95	11.23
PHILOMATH	2,640	160	13	6.36	12.69
WOOD VILLAGE	2,595	118	7	4.55	17.08
PHOENIX	2,510	126	9	5.02	13.62
WARRENTON	2,475	205	43	8.28	4.78
SHERIDAN	2,420	181	16	7.48	11.24
VENETA	2,335	94	18	4.03	5.23
BANDON	2,330	614	25	26.35	24.12
MADRAS	2,320	134	19	5.78	7.00
UNION	2,120	69	30	3.25	2.30
ENTERPRISE	2,070	154	19	7.44	8.24
JACKSONVILLE	1,990	134	15	6.73	8.78
JOHN DAY	1,985	130	15	6.55	8.86

TABLE I-C.2

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
ESTACADA	1,910	133	16	6.96	8.32
CRESWELL	1,895	121	10	6.39	11.56
FAIRVIEW	1,850	110	12	5.95	9.52
HARRISBURG	1,840	113	16	6.14	7.05
KING CITY	1,830	19	8	1.04	2.50
WILLAMINA	1,785	161	12	9.02	13.75
ELGIN	1,765	138	17	7.82	8.16
HUBBARD	1,760	140	11	7.95	12.31
JEFFERSON	1,755	93	14	5.30	6.78
CLATSKANIE	1,690	161	10	9.53	16.16
VALE	1,670	192	18	11.50	10.49
STANFIELD	1,660	117	12	7.05	9.69
PILOT ROCK	1,630	139	3	8.53	48.10
WALDPORT	1,590	119	16	7.48	7.58
RAINIER	1,560	143	12	9.17	12.17
MILL CITY	1,520	153	13	10.07	11.99
ALMSVILLE	1,480	116	7	7.84	16.36
HINES	1,470	83	11	5.65	7.23
ROGUE RIVER	1,440	112	6	7.78	18.06
SUBLIMITY	1,430	123	8	8.60	15.39
LAKESIDE	1,420	108	13	7.61	8.14
DAYTON	1,390	100	9	7.19	11.24
HEPPNER	1,385	162	14	11.70	11.89
DUNDEE	1,380	102	13	7.39	7.92
CANYONVILLE	1,270	82	10	6.46	8.02
CARLTON	1,270	113	10	8.90	11.69
BROWNSVILLE	1,255	106	16	8.45	6.58
CANNON BEACH	1,250	154	14	12.32	10.65
LAFAYETTE	1,240	108	7	8.71	15.19
TURNER	1,210	88	13	7.27	6.89
SHADY COVE	1,190	23	14	1.93	1.68
ROCKAWAY	1,185	167	24	14.09	6.98
DUNES CITY	1,170	63	19	5.38	3.23
JOSEPH	1,170	34	11	2.91	3.14
CAVE JUNCTION	1,150	68	12	5.91	5.72
PRAIRIE CITY	1,125	43	8	3.82	5.38
RIDDLE	1,115	89	11	7.98	8.09
BAY CITY	1,100	107	14	9.73	7.40
GARIBALDI	1,070	69	10	6.45	6.74
AMITY	1,040	85	10	8.17	8.21
SILETZ	1,025	53	9	5.17	6.11
GEARHART	1,000	106	14	10.60	7.42
ATHENA	955	131	8	13.72	16.13
NORTH PLAINS	930	59	8	6.34	7.23
GOLD HILL	910	61	10	6.70	5.84

TABLE I-C.2

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per file
LYONS	870	38	10	4.37	3.74
CAKLAND	850	53	8	6.24	5.28
MERRILL	845	72	6	8.52	12.45
DEPOE BAY	825	60	13	7.27	4.67
WALLOWA	810	60	8	7.41	7.24
FALLS CITY	780	45	11	5.77	3.99
POWERS	775	65	7	8.39	9.24
CHILOQUIN	770	96	10	12.47	9.81
COLUMBIA CITY	750	88	10	11.73	8.55
GERVAIS	745	73	6	9.80	12.03
SISTERS	740	35	12	4.73	2.89
ISLAND CITY	730	38	6	5.21	5.42
WESTON	730	81	11	11.10	7.08
GLENDALE	720	102	6	14.17	17.59
CONDON	720	130	16	18.06	8.34
DURHAM	720	73	4	10.14	19.73
LOWELL	705	23	6	3.26	3.68
HALSEY	680	77	8	11.32	9.07
YAMHILL	650	63	7	9.69	9.53
COBURG	650	63	7	9.69	6.73
MALIN	620	44	5	7.10	3.02
MT. VERNON	620	50	3	8.05	14.97
CANYON CITY	610	67	9	10.98	7.78
ECHO	605	73	6	12.07	11.72
SCIO	590	63	5	10.68	12.30
GASTON	560	44	4	7.86	11.14
ADAIR	560	40	3	7.14	13.81
YACHATS	560	58	10	10.36	6.28
HUNTINGTON	555	69	8	12.43	4.26
MILLERSBURG	550	89	9	16.18	9.68
DUFUR	550	104	7	18.91	14.15
FOSSIL	530	75	8	14.15	9.27
COVE	530	31	7	5.85	4.72
HAMMOND	525	62	8	11.81	7.67
AURORA	525	67	5	12.76	13.93
GATES	500	39	5	7.80	7.10
MANZANITA	495	79	14	15.96	5.53
BANKS	495	46	2	9.29	19.91
MONROE	460	36	6	7.83	6.55
METOLIUS	455	32	7	7.03	4.62
NORTH POWDER	455	40	5	8.79	9.03
ARLINGTON	450	84	13	18.67	6.49
BUTTE FALLS	450	38	3	8.44	12.26
WASCO	445	4	7	0.90	0.54
JORDAN VAL	445	24	4	5.39	5.50

TABLE I-C.2

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
HALFWAY	410	39	3	9.51	12.04
DETROIT	400	72	8	18.00	9.31
HAINES	395	38	7	9.62	5.41
JOHNSON CITY	390	36	1	9.23	26.28
WHEELER	350	42	6	12.00	6.50
IONE	345	44	5	12.75	9.19
IDANHA	345	30	6	8.70	5.06
ST. PAUL	330	43	3	13.03	15.81
BONANZA	325	42	7	12.92	6.28
MORO	320	41	7	12.81	6.28
IMBLER	290	22	4	7.59	5.68
DONALD	275	35	3	12.73	12.59
SENECA	265	13	3	4.91	4.66
SCOTT'S MILL	255	23	7	9.02	3.30
NEHALEM	245	55	5	22.45	11.68
LONG CREEK	245	40	4	16.33	9.78
ADAMS	245	28	4	11.43	7.18
LEXINGTON	240	31	5	12.92	6.62
LOSTINE	240	16	4	6.67	4.29
WATERLOO	210	18	4	8.57	4.95
DAYVILLE	205	27	3	13.17	10.23
RICHLAND	190	19	3	10.00	7.25
GRASS VALLEY	180	25	4	13.89	5.85
ADRIAN	155	13	2	8.39	5.80
SUMMERVILLE	155	13	2	8.39	6.44
HELIX	155	20	2	12.90	9.66
SUMPTER	150	21	10	14.00	2.21
UNITY	110	8	NA	7.27	NA
BARLOW	100	16	1	16.00	15.24
PRESCOTT	70	20	2	28.57	11.11
LONE ROCK	25	3	2	12.00	1.27
TOTAL	1,520,805	114,500	8,252	-	-

Note: NA indicates not available.

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
Central Electric Coop					
SISTERS	740	35	12	4.73	2.89
Clatskanie PUD					
CLATSKANIE	1,690	161	10	9.53	16.16
Columbia Basin PUD					
CONDON	720	130	16	18.06	8.34
FOSSIL	530	75	8	14.15	9.27
HEPPNER	1,385	162	14	11.70	11.89
IDNE	345	44	5	12.75	9.19
LEXINGTON	240	31	5	12.92	6.62
LONE ROCK	25	3	2	12.00	1.27
Consumers Power					
ADAIR	560	40	3	7.14	15.81
DETROIT	400	72	8	18.00	9.31
IDANHA	345	30	6	8.70	5.06
CP National					
BAKER	9,490	718	88	7.57	8.15
BURNS	2,830	45	27	1.59	1.65
CANYON CITY	610	67	9	10.98	7.78
COVE	530	31	7	5.85	4.72
DAYVILLE	205	27	3	13.17	10.23
ELGIN	1,765	130	17	7.82	8.16
HAINES	395	30	7	9.62	5.41
HINES	1,470	83	11	5.65	7.23
IMBLER	290	22	4	7.59	5.68
ISLAND CITY	730	30	6	5.21	6.42
JOHN DAY	1,985	130	15	6.55	8.86
LAGRANDE	12,230	556	71	4.55	7.83
LONG CREEK	245	40	4	16.33	9.78
MT. VERNON	620	50	3	8.06	14.97
NORTH POWDER	455	40	5	8.79	8.03
PRAIRIE CITY	1,125	43	8	3.82	5.38
SENECA	265	13	3	4.91	4.66
SUMMERVILLE	155	13	2	8.39	6.44
SUMPTER	150	21	10	14.00	2.21
UNION	2,120	69	30	3.25	2.30
Columbia River PUD					
PRESCOTT	70	20	2	28.57	11.11

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
Emerald PUD					
LOWELL	705	23	6	3.26	3.68
VENETA *	2,335	94	18	4.03	5.23
Idaho Power					
ADRIAN	155	13	2	8.39	5.80
HALFWAY	410	39	3	9.51	12.04
HUNTINGTON	555	69	8	12.43	8.26
JORDAN VAL	445	24	4	5.39	5.50
NYSSA	2,890	197	19	6.82	10.26
ONTARIO	9,510	584	56	6.14	10.40
RICHLAND	190	19	3	10.00	7.25
UNITY	110	8	NA	7.27	NA
VALE	1,670	192	18	11.50	10.49
Lane Electric Coop					
OAKRIDGE	3,580	295	24	8.24	12.34
Central Lincoln PUD					
DEPOE BAY	825	60	13	7.27	4.67
DUNES CITY	1,170	63	19	5.38	3.23
FLORENCE	4,645	289	31	6.22	9.20
LAKE SIDE	1,420	108	13	7.61	8.14
NEWPORT	8,350	734	59	8.79	12.39
REEDSPORT	4,875	306	21	6.28	14.61
SILETZ	1,025	53	9	5.17	6.11
TOLEDO	3,275	453	23	13.83	19.80
WALDPORT	1,590	119	15	7.48	7.58
YACHTS	560	58	10	10.36	6.00
Municipal Utilities					
ASHLAND	15,660	1,386	86	8.85	16.11
BANDON	2,330	614	25	26.35	24.12
CANBY	7,750	551	50	7.11	11.04
EUGENE	106,100	5,243	459	4.94	11.41
FOREST GROVE	11,750	1,226	40	10.43	30.38
MCMINNVILLE	15,175	906	79	5.97	11.53
MILTON FREEWATE	5,850	463	27	7.91	17.10
MONMOUTH	5,390	285	23	5.29	12.13
SPRINGFIELD	40,690	2,251	180	5.53	12.48
Northern Wasco					
DUFUR	550	104	7	18.91	14.15
THE DALLES	10,900	1,416	69	12.99	20.45

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
PGE					
AMITY	1,040	85	10	8.17	8.21
AURORA	525	67	5	12.76	13.93
BANKS	495	46	2	9.29	19.91
BARLOW	100	16	1	16.00	15.24
BEAVERTON	33,950	2,831	132	8.34	21.41
CARLTON	1,270	113	10	8.90	11.69
COLUMBIA CITY *	750	88	10	11.73	8.95
CORNELIUS	5,050	274	24	5.43	11.54
DAYTON	1,390	100	9	7.19	11.24
DONALD	275	35	3	12.73	12.59
DUNDEE	1,380	102	13	7.39	7.92
DURHAM	720	73	4	10.14	19.73
ESTACADA	1,910	133	16	6.96	8.32
FAIRVIEW	1,850	110	12	5.95	9.52
GASTON	560	44	4	7.86	11.14
GERVAIS	745	73	6	9.60	12.03
GLADSTONE	9,570	492	44	5.14	11.07
GRESHAM	37,480	2,821	146	7.53	19.39
HILLSBORO	30,270	2,069	113	6.84	18.32
HUBBARD	1,760	140	11	7.95	12.31
JOHNSON CITY	390	36	1	9.23	26.28
KING CITY	1,830	19	8	1.04	2.50
LAFAYETTE	1,240	108	7	8.71	15.19
LAKE OSWEGO	24,200	2,321	94	9.59	24.59
MILWAUKIE	17,375	1,902	76	10.95	24.95
MOLALLA	3,100	285	21	9.19	13.51
MT. ANGEL	2,930	146	10	4.98	14.04
NEWBERG	11,440	747	56	6.53	13.42
NORTH PLAINS	930	59	8	6.34	7.23
OREGON CITY	14,500	1,107	76	7.63	14.54
PORTLAND	379,000	35,753	1,800	9.43	19.66
RAINIER *	1,560	143	12	9.17	12.17
SALEM *	94,600	4,902	463	5.18	10.58
SANDY	3,530	292	30	8.27	9.81
SCAPPOOSE *	3,410	309	19	9.06	16.05
SCOTTS MILL	255	23	7	9.02	3.30
SHERIDAN	2,420	181	16	7.48	11.24
SHERWOOD	2,685	192	18	7.15	10.64
SILVERTON	5,290	329	25	6.22	12.99
ST. HELENS *	7,260	570	33	7.85	17.27
ST. PAUL	330	43	3	13.03	15.61
TIGARD	20,250	760	80	3.75	8.61
TUALATIN	10,350	994	43	9.60	22.94
TURNER	1,210	88	13	7.27	6.89

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
WEST LINN	12,950	1,250	86	9.65	14.60
WILLAMINA	1,785	161	12	9.02	13.75
WILSONVILLE	3,700	460	106	12.43	4.33
WOOD VILLAGE	2,595	118	7	4.55	17.08
WOODBURN	11,700	730	49	6.24	14.90
YAMHILL	650	63	7	9.69	9.53
		PP&L			
ADAMS	245	28	4	11.43	7.18
ALBANY *	27,900	3,081	154	11.04	20.01
ARLINGTON	450	84	13	18.67	6.49
ASTORIA	9,820	830	54	8.45	15.25
ATHENA	955	131	8	13.72	16.13
AUMSVILLE	1,480	116	7	7.84	16.36
BEND *	18,000	1,073	126	5.96	8.54
BONANZA	325	42	7	12.92	6.28
BROWNSVILLE	1,255	106	16	8.45	6.58
BUTTE FALLS	450	38	3	8.44	12.26
CANNON BEACH	1,250	154	14	12.32	10.65
CANYONVILLE	1,270	82	10	6.46	8.02
CAVE JUNCTION	1,150	68	12	5.91	5.72
CENTRAL POINT	6,740	363	37	5.39	9.81
CHILOQUIN	770	96	10	12.47	9.81
COBURG	650	63	7	9.69	8.73
COOS BAY	14,695	902	78	6.14	11.63
COQUILLE	4,220	396	23	9.38	17.01
CORVALLIS *	41,580	2,098	166	5.05	12.66
COTTAGE GROVE	7,090	433	41	6.11	10.53
CRESWELL	1,895	121	10	6.39	11.56
DALLAS	8,950	469	43	5.24	10.82
EAGLE POINT	3,010	210	12	6.98	17.34
ECHO	685	73	6	12.07	11.72
ENTERPRISE	2,070	154	19	7.44	8.24
FALLS CITY	780	45	11	5.77	3.99
GATES	500	39	5	7.80	7.18
GEARHART	1,000	106	14	10.60	7.42
GLENDALE	720	102	6	14.17	17.59
GOLD HILL	910	61	10	6.70	5.84
GRANTS PASS	15,350	1,083	71	7.06	15.27
GRASS VALLEY	180	25	4	13.89	5.85
HALSEY	680	77	8	11.32	9.07
HAMMOND	525	62	8	11.81	7.67
HARRISBURG	1,840	113	16	6.14	7.05
HELIX	155	20	2	12.90	9.66
HERMISTON	9,890	516	63	5.22	8.25

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
HOOD RIVER	4,490	143	31	3.18	4.62
INDEPENDENCE	4,145	226	31	5.45	7.32
JACKSONVILLE	1,990	134	15	6.73	8.78
JEFFERSON	1,755	93	14	5.30	6.78
JOSEPH	1,170	34	11	2.91	3.14
JUNCTION CITY	3,050	248	21	8.13	11.91
KLAMATH FALLS	17,350	1,136	104	6.55	10.94
LAKEVIEW	2,755	246	17	8.93	14.90
LEBANON *	10,270	596	75	5.80	7.92
LINCOLN CITY	6,060	894	57	14.75	15.72
LOSTINE	240	16	4	6.67	4.29
LYONS	870	38	10	4.37	3.74
MADRAS	2,320	134	19	5.78	7.00
MALIN	620	44	5	7.10	3.02
MEDFORD	41,975	2,706	183	6.45	14.77
MERRILL	845	72	6	8.52	12.46
METOLIUS	455	32	7	7.03	4.62
MILL CITY	1,520	153	13	10.07	11.99
MILLERSBURG	550	89	9	16.18	9.68
MONROE	460	36	6	7.83	6.55
MORO	320	41	7	12.81	6.28
MYRTLE CREEK	3,200	210	16	6.56	13.02
MYRTLE POINT	2,700	303	17	11.22	18.04
NORTH BEND	9,135	732	59	8.01	12.44
OAKLAND	850	53	8	6.24	6.28
PENDLETON	14,400	1,002	84	6.96	11.99
PHILOMATH	2,640	168	13	6.36	12.69
PHOENIX	2,510	126	9	5.02	13.62
PILOT ROCK	1,630	139	3	8.53	48.10
POWERS	775	65	7	8.39	9.04
PRINEVILLE	5,410	418	36	7.73	11.63
REDMOND *	6,740	443	67	6.57	6.66
RIDDLE	1,115	89	11	7.98	8.09
ROGUE RIVER	1,440	112	6	7.78	18.06
ROSEBURG	16,025	1,038	97	6.48	10.73
SCIO	590	63	5	10.68	12.30
SEASIDE	5,300	504	31	9.51	16.12
SHADY COVE	1,190	23	14	1.93	1.68
STANFIELD	1,660	117	12	7.05	9.69
STAYTON	4,815	281	23	5.84	12.10
SUBLIMITY	1,430	123	8	8.60	15.39
SUTHERLIN	4,320	346	37	8.01	9.39
SWEET HOME	6,800	471	45	6.93	10.46
TALENT	2,660	105	9	3.95	11.23
UMATILLA	2,980	203	29	6.81	7.04

TABLE I-C.3

STREETLIGHT INVENTORY INDICATORS
Sorted By Utility

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
WALLOWA	810	60	8	7.41	7.24
WARRENTON	2,475	205	43	8.28	4.78
WASCO	445	4	7	0.90	0.54
WATERLOO	210	18	4	8.57	4.96
WESTON	730	81	11	11.10	7.08
WINSTON	3,380	195	13	5.77	14.82
Salem Electric					
KEIZER *	19,800	407	67	2.06	6.04
Tillamook PUD					
BAY CITY	1,100	107	14	9.73	7.40
GARIBALDI	1,070	69	10	6.45	6.74
MANZANITA	495	79	14	15.96	5.53
NEHALEM	245	55	5	22.45	11.68
ROCKAWAY	1,185	167	24	14.09	6.98
TILLAMOOK	3,925	273	24	6.96	11.49
WHEELER	350	42	6	12.00	6.50
TOTAL	1,520,805	114,500	8,252	-	-

Notes: NA indicates not available.

The following cities have split utility service. The first utility listed provides the primary streetlight service.

City	Utilities
Bend	PP&L/Central Electric
Columbia City	PGE/Columbia River
Corvallis	PP&L/Consumers Power
Keizer	Salem Electric/PGE
Lebanon	PP&L/Consumers Power
Rainier	PGE/Columbia River
Redmond	PP&L/Central Electric
Salem	PGE/Salem Electric
Scappoose	PGE/Columbia River
St. Helens	PGE/Columbia River
Veneta	EPUD/Lane Electric

TABLE I-C.4

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Lights Per Hundred Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
PRESCOTT	70	20	2	28.57	11.11
BANDON	2,330	614	25	26.35	24.12
NEHALEM	245	55	5	22.45	11.68
DUFUR	550	104	7	18.91	14.15
ARLINGTON	450	84	13	18.67	6.49
CONDON	720	130	16	18.06	3.34
DETROIT	400	72	8	18.00	9.31
LONG CREEK	245	40	4	16.33	9.79
MILLERSBURG	550	89	9	16.18	9.68
BARLOW	100	16	1	16.00	15.24
MANZANITA	495	79	14	15.96	5.53
LINCOLN CITY	6,060	894	57	14.75	15.72
GLENDALE	720	102	6	14.17	17.59
FOSSIL	530	75	8	14.15	9.27
ROCKAWAY	1,185	167	24	14.09	6.98
SUMPTER	150	21	10	14.00	2.21
GRASS VALLEY	180	25	4	13.89	5.85
TOLEDO	3,275	453	23	13.83	19.60
ATHENA	955	131	8	13.72	16.13
DAYVILLE	205	27	3	13.17	10.23
ST. PAUL	330	43	3	13.03	15.81
THE DALLES	10,900	1,416	69	12.99	20.45
BONANZA	325	42	7	12.92	6.28
LEXINGTON	240	31	5	12.92	6.62
MELIX	155	20	2	12.90	9.66
MORO	320	41	7	12.81	6.28
AURORA	525	67	5	12.76	13.93
IONE	345	44	5	12.75	9.19
DONALD	275	35	3	12.73	12.59
CHILOGUIN	770	96	10	12.47	3.81
HUNTINGTON	555	69	8	12.43	8.26
WILSONVILLE	3,700	460	106	12.43	4.33
CANNON BEACH	1,250	154	14	12.32	10.85
ECHO	605	73	6	12.07	11.72
LONE ROCK	25	3	2	12.00	1.27
WHEELER	350	42	6	12.00	6.50
HAMMOND	525	62	8	11.81	7.67
COLUMBIA CITY	750	88	10	11.73	8.95
HEPPNER	1,385	162	14	11.70	11.89
VALE	1,670	192	18	11.50	10.49
ADAMS	245	28	4	11.43	7.18
HALSEY	680	77	8	11.32	9.07
MYRTLE POINT	2,700	303	17	11.22	18.04
WESTON	730	81	11	11.10	7.08
ALBANY	27,900	3,081	154	11.04	20.01

TABLE I-C.4

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Lights Per Hundred Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
CANYON CITY	610	67	9	10.98	7.78
MILWAUKIE	17,375	1,902	76	10.95	24.95
SCIO	590	63	5	10.68	12.30
GEARHART	1,000	106	14	10.60	7.42
FOREST GROVE	11,750	1,226	40	10.43	30.38
YACHATS	560	58	10	10.36	6.00
DURHAM	720	73	4	10.14	19.73
MILL CITY	1,520	153	13	10.07	11.99
RICHLAND	190	19	3	10.00	7.25
GERVAIS	745	73	6	9.80	12.03
BAY CITY	1,100	107	14	9.73	7.40
YAMHILL	650	63	7	9.69	9.53
COBURG	650	63	7	9.69	8.73
WEST LINN	12,950	1,250	86	9.65	14.60
HAINES	395	38	7	9.62	5.41
TUALATIN	10,350	994	43	9.60	22.94
LAKE OSWEGO	24,200	2,321	94	9.59	24.59
CLATSKANIE	1,690	161	10	9.53	16.16
HALFWAY	410	39	3	9.51	12.04
SEASIDE	5,300	504	31	9.51	16.12
PORTLAND	379,000	35,753	1,800	9.43	19.86
COQUILLE	4,220	396	23	9.38	17.01
BANKS	495	46	2	9.29	19.91
JOHNSON CITY	390	36	1	9.23	26.28
MOLALLA	3,100	285	21	9.19	13.51
RAINIER	1,560	143	12	9.17	12.17
SCAPPOOSE	3,410	309	19	9.06	16.05
SCOTTS MILL	255	23	7	9.02	3.30
WILLAMINA	1,785	161	12	9.02	13.75
LAKEVIEW	2,755	246	17	8.93	14.90
CARLTON	1,270	113	10	8.90	11.69
ASHLAND	15,660	1,386	86	8.85	16.11
NORTH POWDER	455	40	5	8.79	8.03
NEWPORT	8,350	734	59	8.79	12.39
LAFAYETTE	1,240	108	7	8.71	15.19
IDANHA	345	30	6	8.70	5.06
SUBLIMITY	1,430	123	8	8.60	15.39
WATERLOO	210	18	4	8.57	4.96
PILOT ROCK	1,630	139	3	8.53	48.10
MERRILL	845	72	6	8.52	12.46
ASTORIA	9,820	830	54	8.45	15.25
BROWNSVILLE	1,255	106	16	8.45	6.58
BUTTE FALLS	450	38	3	8.44	12.26
SUMMERVILLE	155	13	2	8.39	6.44
POWERS	775	65	7	8.39	9.04

TABLE I-C.4

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Lights Per Hundred Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
ADRIAN	155	13	2	8.39	5.82
BEAVERTON	33,950	2,831	132	8.34	21.41
WARRENTON	2,475	205	43	8.28	4.78
SANDY	3,530	292	30	8.27	9.81
DAKRIDGE	3,580	295	24	8.24	12.34
AMITY	1,040	85	10	8.17	8.21
JUNCTION CITY	3,050	248	21	8.13	11.91
MT. VERNON	620	50	3	8.06	14.97
NORTH BEND	9,135	732	59	8.01	12.44
SUTHERLIN	4,320	346	37	8.01	9.33
RIDDLE	1,115	89	11	7.98	8.29
HUBBARD	1,760	140	11	7.95	12.31
MILTON FREEWATE	5,850	463	27	7.91	17.10
GASTON	560	44	4	7.86	11.14
ST. HELENS	7,260	570	33	7.85	17.27
ALMSVILLE	1,480	116	7	7.84	16.36
MONROE	460	35	6	7.83	6.55
ELBIN	1,765	138	17	7.82	8.16
GATES	500	39	5	7.80	7.13
ROGUE RIVER	1,440	112	6	7.78	18.65
PRINEVILLE	5,410	418	36	7.73	11.63
OREGON CITY	14,500	1,107	76	7.63	14.54
LAKE SIDE	1,420	108	13	7.61	8.14
IMBLER	290	22	4	7.59	5.68
BAKER	9,490	718	88	7.57	8.15
GRESHAM	37,480	2,821	146	7.53	13.39
WALDPOR T	1,590	119	16	7.48	7.58
SHERIDAN	2,420	181	16	7.48	11.24
ENTERPRISE	2,070	154	19	7.44	8.24
WALLOWA	810	60	8	7.41	7.24
DUNDEE	1,380	102	13	7.39	7.92
DEPOE BAY	825	60	13	7.27	4.67
UNITY	110	8	NA	7.27	NA
TURNER	1,210	88	13	7.27	6.69
DAYTON	1,390	100	9	7.19	11.24
SHERWOOD	2,685	192	18	7.15	10.64
ADAIR	560	40	3	7.14	15.81
CANBY	7,750	551	50	7.11	11.04
MALIN	620	44	5	7.10	9.02
GRANTS PASS	15,350	1,083	71	7.06	15.27
STANFIELD	1,660	117	12	7.05	9.69
METOLIUS	455	32	7	7.03	4.62
EAGLE POINT	3,010	210	12	6.98	17.34
ESTACADA	1,910	133	16	6.96	8.32
PENDELTON	14,400	1,002	84	6.95	11.99

TABLE I-C.4

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Lights Per Hundred Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
TILLAMOOK	3,925	273	24	6.96	11.49
SWEET HOME	6,800	471	45	6.93	10.46
HILLSBORO	30,270	2,069	113	6.84	10.32
NYSSA	2,890	197	19	6.82	10.26
UMATILLA	2,980	203	29	6.81	7.04
JACKSONVILLE	1,990	134	15	6.73	8.78
GOLD HILL	910	61	10	6.70	5.84
LOSTINE	240	16	4	6.67	4.29
REDMOND	6,740	443	67	6.57	6.66
MYRTLE CREEK	3,200	210	16	6.56	13.02
JOHN DAY	1,985	130	15	6.55	8.85
KLAMATH FALLS	17,350	1,136	104	6.55	10.94
NEWBERG	11,440	747	56	6.53	13.42
ROSEBURG	16,025	1,038	97	6.48	10.73
CANYONVILLE	1,270	82	10	6.46	8.02
GARIBALDI	1,070	69	10	6.45	6.74
MEDFORD	41,975	2,706	183	6.45	14.77
CRESWELL	1,895	121	10	6.39	11.56
PHILOMATH	2,640	168	13	6.36	12.69
NORTH PLAINS	930	59	8	6.34	7.23
REEDSPORT	4,875	306	21	6.28	14.61
WOODBURN	11,700	730	49	6.24	14.90
OAKLAND	850	53	8	6.24	6.28
FLORENCE	4,645	289	31	6.22	9.28
SILVERTON	5,290	329	25	6.22	12.99
HARRISBURG	1,840	113	16	6.14	7.05
ONTARIO	9,510	584	56	6.14	10.40
COOS BAY	14,695	902	78	6.14	11.63
COTTAGE GROVE	7,090	433	41	6.11	10.53
MCMINNVILLE	15,175	906	79	5.97	11.53
BEND	18,000	1,073	126	5.96	8.54
FAIRVIEW	1,850	110	12	5.95	9.52
CAVE JUNCTION	1,150	68	12	5.91	5.72
COVE	530	31	7	5.85	4.72
STAYTON	4,815	281	23	5.84	12.10
LEBANON	10,270	596	75	5.80	7.92
MADRAS	2,320	134	19	5.78	7.00
FALLS CITY	780	45	11	5.77	3.99
WINSTON	3,380	195	13	5.77	14.82
HINES	1,470	83	11	5.65	7.23
SPRINGFIELD	40,690	2,251	180	5.53	12.48
INDEPENDENCE	4,145	226	31	5.45	7.32
CORNELIUS	5,050	274	24	5.43	11.54
JORDAN VAL	445	24	4	5.39	5.50
CENTRAL POINT	6,740	363	37	5.39	9.81

TABLE I-C.4

STREETLIGHT INVENTORY INDICATORS
Sorted By Descending Lights Per Hundred Population

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
DUNES CITY	1,170	63	19	5.38	3.23
JEFFERSON	1,755	93	14	5.30	6.78
MONMOUTH	5,390	285	23	5.29	12.13
DALLAS	8,950	469	43	5.24	12.62
HERMISTON	9,890	516	63	5.22	8.25
ISLAND CITY	730	38	6	5.21	6.42
SALEM	94,600	4,902	463	5.18	10.58
SILETZ	1,025	53	9	5.17	5.11
GLADSTONE	9,570	492	44	5.14	11.07
CORVALLIS	41,580	2,098	166	5.05	12.66
PHOENIX	2,510	126	9	5.02	13.62
MT. ANGEL	2,930	146	10	4.98	14.84
EUGENE	106,100	5,243	459	4.94	11.41
SENECA	265	13	3	4.91	4.66
SISTERS	740	35	12	4.73	2.89
WOOD VILLAGE	2,595	118	7	4.55	17.08
LAGRANDE	12,230	556	71	4.55	7.83
LYONS	870	38	10	4.37	3.74
VENETA	2,335	94	18	4.03	5.23
TALENT	2,660	105	9	3.95	11.23
PRAIRIE CITY	1,125	43	8	3.82	5.38
TIGARD	20,250	760	88	3.75	6.61
LOWELL	705	23	6	3.26	3.68
UNION	2,120	69	30	3.25	2.30
HOOD RIVER	4,490	143	31	3.18	4.62
JOSEPH	1,170	34	11	2.91	3.14
KEIZER	19,800	407	67	2.06	6.24
SHADY COVE	1,190	23	14	1.93	1.68
BURNS	2,830	45	27	1.59	1.65
KING CITY	1,830	19	8	1.04	2.50
WASCO	445	4	7	0.90	0.54
TOTAL	1,520,805	114,500	8,252	-	-

Note: NA indicates not available.

TABLE I-C.5

STREETLIGHT INVENTORY INDICATORS
Sorted By Lights Per Mile

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
PILOT ROCK	1,630	139	3	8.53	48.10
FOREST GROVE	11,750	1,226	40	10.43	30.38
JOHNSON CITY	390	36	1	9.23	26.28
MILWAUKIE	17,375	1,902	76	10.95	24.55
LAKE OSWEGO	24,200	2,321	94	9.59	24.59
BANDON	2,330	614	25	26.35	24.12
TUALATIN	10,350	994	43	9.60	22.94
BEAVERTON	33,950	2,831	132	8.34	21.41
THE DALLES	10,900	1,416	69	12.99	20.45
ALBANY	27,900	3,081	154	11.04	20.01
BANKS	495	46	2	9.29	19.91
PORTLAND	379,000	35,753	1,800	9.43	19.86
TOLEDO	3,275	453	23	13.83	19.80
DURHAM	720	73	4	10.14	19.73
GRESHAM	37,480	2,821	146	7.53	19.39
HILLSBORO	30,270	2,069	113	6.84	18.32
ROGUE RIVER	1,440	112	6	7.78	18.06
MYRTLE POINT	2,700	303	17	11.22	18.04
GLENDALE	720	102	6	14.17	17.59
EAGLE POINT	3,010	210	12	6.98	17.34
ST. HELENS	7,260	570	33	7.85	17.27
MILTON FREEWATE	5,850	463	27	7.91	17.10
WOOD VILLAGE	2,595	118	7	4.55	17.08
COQUILLE	4,220	396	23	9.38	17.01
AUMSVILLE	1,480	116	7	7.84	16.36
CLATSKANIE	1,690	161	10	9.53	16.16
ATHENA	955	131	8	13.72	16.13
SEASIDE	5,300	504	31	9.51	16.12
ASHLAND	15,660	1,386	86	8.85	16.11
SCAPPOOSE	3,410	309	19	9.06	16.05
ADAIR	560	40	3	7.14	15.81
ST. PAUL	330	43	3	13.03	15.81
LINCOLN CITY	6,060	894	57	14.75	15.72
SUBLIMITY	1,430	123	8	8.60	15.39
GRANTS PASS	15,350	1,083	71	7.06	15.27
ASTORIA	9,820	830	54	8.45	15.25
BARLOW	100	16	1	16.00	15.24
LAFAYETTE	1,240	108	7	8.71	15.19
MT. VERNON	620	50	3	8.06	14.97
WOODBURN	11,700	730	49	6.24	14.50
LAKEVIEW	2,755	246	17	8.93	14.90
MT. ANGEL	2,930	146	10	4.98	14.84
WINSTON	3,380	195	13	5.77	14.82
MEDFORD	41,975	2,706	183	6.45	14.77
REEDSPORT	4,875	306	21	6.28	14.61

TABLE I-C.5

STREETLIGHT INVENTORY INDICATORS
Sorted By Lights Per Mile

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
WEST LINN	12,950	1,250	86	9.65	14.60
OREGON CITY	14,500	1,107	76	7.63	14.54
DUFUR	550	104	7	18.91	14.15
AURORA	525	67	5	12.76	13.93
WILLAMINA	1,785	161	12	9.02	13.75
PHOENIX	2,510	126	9	5.02	13.62
MOLALLA	3,100	285	21	9.19	13.51
NEWBERG	11,440	747	56	6.53	13.42
MYRTLE CREEK	3,200	210	16	6.56	13.02
SILVERTON	5,290	329	25	6.22	12.99
PHILOMATH	2,640	168	13	6.36	12.69
CORVALLIS	41,580	2,098	166	5.05	12.66
DONALD	275	35	3	12.73	12.59
SPRINGFIELD	40,690	2,251	180	5.53	12.48
MERRILL	845	72	6	8.52	12.46
NORTH BEND	9,135	732	59	8.01	12.44
NEWPORT	8,350	734	59	8.79	12.39
OKRIDGE	3,580	295	24	8.24	12.34
HUBBARD	1,760	140	11	7.95	12.31
SCIO	590	63	5	10.68	12.30
BUTTE FALLS	450	38	3	8.44	12.26
RAINIER	1,560	143	12	9.17	12.17
MONMOUTH	5,390	285	23	5.29	12.13
STAYTON	4,815	281	23	5.84	12.10
HALFWAY	410	39	3	9.51	12.04
GERVAIS	745	73	6	9.80	12.03
MILL CITY	1,520	153	13	10.07	11.99
PENDLETON	14,400	1,002	84	6.96	11.99
JUNCTION CITY	3,050	248	21	8.13	11.91
HEPPNER	1,385	162	14	11.70	11.89
ECHO	605	73	6	12.07	11.72
CARLTON	1,270	113	10	8.90	11.69
NEHALEM	245	55	5	22.45	11.68
COOS BAY	14,695	902	78	6.14	11.63
PRINEVILLE	5,410	418	36	7.73	11.63
CRESWELL	1,895	121	10	6.39	11.56
CORNELIUS	5,050	274	24	5.43	11.54
MCMINNVILLE	15,175	906	79	5.97	11.53
TILLAMOOK	3,925	273	24	6.96	11.49
EUGENE	106,100	5,243	459	4.94	11.41
DAYTON	1,390	100	9	7.19	11.24
SHERIDAN	2,420	181	16	7.48	11.24
TALENT	2,660	105	9	3.95	11.23
GASTON	560	44	4	7.86	11.14
PRESCOTT	70	20	2	28.57	11.11

TABLE I-C.5

STREETLIGHT INVENTORY INDICATORS
Sorted By Lights Per Mile

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
GLADSTONE	9,570	492	44	5.14	11.07
CANBY	7,750	551	50	7.11	11.04
KLAMATH FALLS	17,350	1,136	104	6.55	10.94
CANNON BEACH	1,250	154	14	12.32	10.85
DALLAS	8,950	469	43	5.24	10.82
ROSEBURG	16,025	1,038	97	6.48	10.73
SHERWOOD	2,685	192	18	7.15	10.64
SALEM	94,600	4,902	463	5.18	10.58
COTTAGE GROVE	7,090	433	41	6.11	10.53
VALE	1,670	192	18	11.50	10.49
SWEET HOME	6,800	471	45	6.93	10.46
ONTARIO	9,510	584	56	6.14	10.40
NYSSA	2,890	197	19	6.82	10.26
DAYVILLE	205	27	3	13.17	10.23
CENTRAL POINT	6,740	363	37	5.39	9.81
SANDY	3,530	292	30	8.27	9.81
CHILOQUIN	770	95	10	12.47	9.81
LONG CREEK	245	40	4	16.33	9.78
STANFIELD	1,660	117	12	7.05	9.69
MILLERSBURG	550	89	9	16.18	9.68
HELIX	155	20	2	12.90	9.66
YAMHILL	650	63	7	9.69	9.53
FAIRVIEW	1,850	110	12	5.95	9.52
SUTHERLIN	4,320	346	37	8.01	9.39
DETROIT	400	72	8	18.00	9.31
FLORENCE	4,645	289	31	6.22	9.28
FOSSIL	530	75	8	14.15	9.27
IONE	345	44	5	12.75	9.19
HALSEY	680	77	8	11.32	9.07
POWERS	775	65	7	8.39	9.04
MALIN	620	44	5	7.10	9.02
COLUMBIA CITY	750	88	10	11.73	8.95
JOHN DAY	1,985	130	15	6.55	8.86
JACKSONVILLE	1,990	134	15	6.73	8.78
COBURG	650	63	7	9.69	8.73
TIGARD	20,250	760	88	3.75	8.61
BEND	18,000	1,073	125	5.96	8.54
CONDON	720	130	16	18.06	8.34
ESTACADA	1,910	133	16	6.96	8.32
HUNTINGTON	555	69	8	12.43	8.26
HERMISTON	9,890	516	63	5.22	8.25
ENTERPRISE	2,070	154	19	7.44	8.24
AMITY	1,040	85	10	8.17	8.21
ELGIN	1,765	138	17	7.82	8.16
BAKER	9,490	718	80	7.57	8.15

TABLE I-C.5

STREETLIGHT INVENTORY INDICATORS
Sorted By Lights Per Mile

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
LAKESIDE	1,420	108	13	7.61	6.14
RIDDLE	1,115	89	11	7.98	8.09
NORTH POWDER	455	40	5	8.79	8.23
CANYONVILLE	1,270	82	10	6.46	8.02
DUNDEE	1,380	102	13	7.39	7.92
LEBANON	10,270	596	75	5.80	7.92
LAGRANDE	12,230	556	71	4.55	7.83
CANYON CITY	610	67	9	10.98	7.70
HAMMOND	525	62	8	11.81	7.67
WALDPORT	1,590	119	16	7.48	7.58
GEARHART	1,000	106	14	10.60	7.42
BAY CITY	1,100	107	14	9.73	7.40
INDEPENDENCE	4,145	226	31	5.45	7.32
RICHLAND	190	19	3	10.00	7.25
WALLOWA	810	60	8	7.41	7.24
NORTH PLAINS	930	59	8	6.34	7.23
HINES	1,470	83	11	5.65	7.23
GATES	500	39	5	7.80	7.18
ADAMS	245	28	4	11.43	7.18
WESTON	730	81	11	11.10	7.03
HARRISBURG	1,840	113	16	6.14	7.05
UMATILLA	2,980	203	29	6.81	7.04
MADRAS	2,320	134	19	5.78	7.00
ROCKAWAY	1,185	167	24	14.09	6.98
TURNER	1,210	88	13	7.27	6.89
JEFFERSON	1,755	93	14	5.30	6.78
GARIBALDI	1,070	69	10	6.45	6.74
REDMOND	6,740	443	67	6.57	6.66
LEXINGTON	240	31	5	12.92	6.62
BROWNSVILLE	1,255	106	16	8.45	6.58
MONROE	460	36	6	7.83	6.55
WHEELER	350	42	6	12.00	6.50
ARLINGTON	450	84	13	18.67	6.49
SUMMERVILLE	155	13	2	8.39	6.44
ISLAND CITY	730	38	6	5.21	6.42
OAKLAND	850	53	8	6.24	6.28
MORO	320	41	7	12.81	6.20
BONANZA	325	42	7	12.92	6.20
SILETZ	1,025	53	9	5.17	6.11
KEIZER	19,800	407	67	2.06	6.04
YACHATS	560	58	10	10.36	6.00
GRASS VALLEY	180	25	4	13.89	5.85
GOLD HILL	910	61	10	6.70	5.84
ADRIAN	155	13	2	8.39	5.60
CAVE JUNCTION	1,150	68	12	5.91	5.72

TABLE I-C.5

STREETLIGHT INVENTORY INDICATORS

Sorted By Lights Per Mile

City	Population	Total Lights	Total Road Miles	Lights Per Hundred Population	Lights Per Mile
IMBLER	290	22	4	7.59	5.68
MANZANITA	495	79	14	15.96	5.53
JORDAN VAL	445	24	4	5.39	5.50
HAINES	395	38	7	9.62	5.41
PRAIRIE CITY	1,125	43	8	3.82	5.38
VENETA	2,335	94	18	4.03	5.23
IDANHA	345	30	6	8.70	5.06
WATERLOO	210	18	4	8.57	4.96
WARRENTON	2,475	205	43	8.28	4.78
COVE	530	31	7	5.85	4.72
DEPOE BAY	825	60	13	7.27	4.67
SENECA	265	13	3	4.91	4.66
METOLIUS	455	32	7	7.03	4.62
HOOD RIVER	4,490	143	31	3.18	4.62
WILSONVILLE	3,700	460	106	12.43	4.33
LOSTINE	240	16	4	6.67	4.29
FALLS CITY	780	45	11	5.77	3.99
LYONS	870	38	10	4.37	3.74
LOWELL	705	23	6	3.26	3.68
SCOTTS MILL	255	23	7	9.02	3.30
DUNES CITY	1,170	63	19	5.38	3.23
JOSEPH	1,170	34	11	2.91	3.14
SISTERS	740	35	12	4.73	2.89
KING CITY	1,830	19	8	1.04	2.50
UNION	2,120	69	30	3.25	2.30
SUMPTER	150	21	10	14.00	2.21
SHADY COVE	1,190	23	14	1.93	1.68
BURNS	2,830	45	27	1.59	1.65
LONE ROCK	25	3	2	12.00	1.27
WASCO	445	4	7	0.90	0.54
UNITY	110	8	NA	7.27	NA
TOTAL	1,520,805	114,500	8,252	-	-

Note: NA indicates not available.

TABLE I-D.1

STREETLIGHT INVENTORY INDICATORS
By City Size

LIGHTS PER MILE

	City Size Category								
	All Cities	500- (500	500- 999	1,000- 2,499	2,500- 4,999	5,000- 9,999	10,000- 24,999	25,000- 100,000	>100,000
Mean	10.7	7.9	9.3	9.8	12.1	12.0	14.7	16.2	15.6
Standard Deviation	5.7	5.0	4.0	6.9	4.2	2.8	6.4	3.8	4.2
Minimum	0.5	0.5	2.9	1.7	1.7	6.7	6.0	10.6	11.4
Maximum	48.1	26.3	19.7	48.1	19.8	17.3	30.4	21.4	19.9
Number of Cities	211	40	39	51	29	21	21	8	2

LIGHTS PER HUNDRED POPULATION

	City Size Category								
	All Cities	500- (500	500- 999	1,000- 2,499	2,500- 4,999	5,000- 9,999	10,000- 24,999	25,000- 100,000	>100,000
Mean	8.60	11.45	9.75	7.72	7.14	7.21	7.32	6.99	7.19
Standard Deviation	3.87	4.89	3.63	3.61	2.57	2.12	2.51	1.87	2.25
Minimum	0.90	0.90	3.26	1.04	1.59	5.14	2.06	5.05	4.94
Maximum	28.57	28.57	18.91	26.35	13.83	14.75	12.99	11.04	9.43
Number of Cities	211	40	39	51	29	21	21	8	2

TABLE I-D.2

STREELIGHT INVENTORY INDICATORS
By Selected Utilities

LIGHTS PER MILE

	All Cities	PGE	PP&L	Central Lincoln	CP National	Tillamook	EWEB	SUB
Mean	10.69	13.35	10.36	9.18	6.79	8.05	11.41	12.48
Standard Deviation	5.70	5.35	5.74	4.81	3.01	2.30	NA	NA
Minimum	0.00	2.50	0.54	3.23	1.65	5.53	11.41	12.48
Maximum	48.10	26.28	48.10	19.80	14.97	11.68	11.41	12.48
Number of Cities	211	51	88	10	20	7	1	1

LIGHTS PER HUNDRED POPULATION

	All Cities	PGE	PP&L	Central Lincoln	CP National	Tillamook	EWEB	SUB
Mean	8.60	8.35	8.10	7.84	7.68	12.52	4.94	5.53
Standard Deviation	3.87	2.60	3.11	2.49	3.64	5.19	NA	NA
Minimum	0.90	1.04	0.90	5.17	1.59	6.45	4.94	5.53
Maximum	28.57	16.00	18.67	13.83	16.33	22.45	4.94	5.53
Number of Cities	211	51	88	10	20	7	1	1

TABLE II-A.1

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP AND LIGHT TYPE
All Utilities
(Dollars Per Year)

Utility	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
PGE	\$1,767,255	\$339,885	\$0	\$1,232,619	\$1,461,687	\$6,471	\$152,354	\$164,965	\$25,862	\$845,297	\$5,996,234
PP&L	1,689,069	945,182	95,843	14,182	6,666	0	22,626	187,747	2,981	113,476	2,916,813
CENTRAL LINCOLN	0	287,696	0	0	166	0	0	0	0	28,669	228,530
CP NATIONAL	32,978	127,817	2,217	0	0	0	5,874	22,152	0	28,438	218,675
SALEM ELECTRIC	0	84,537	0	0	9,942	0	0	0	0	13,683	188,862
NORTHERN WASCO	11,260	94,953	0	0	0	0	0	0	0	NA	186,213
SUB	0	0	0	771	0	98,578	0	0	0	0	99,349
IDAHO POWER	13,147	74,613	0	562	767	0	0	0	0	NA	89,889
TILLAMOOK PUD	0	78,516	0	0	0	0	0	0	0	0	78,516
SENE	0	0	0	0	0	0	0	69,974	6,332	0	76,306
CONSUMERS POWER	22,665	16,878	0	0	0	0	0	0	0	0	38,743
LANE ELECTRIC	32,554	0	0	0	0	0	0	0	0	680	33,235
COLUMBIA RIVER	19,851	1,620	0	1,150	0	0	0	0	0	4,363	26,984
COLUMBIA BASIN	0	22,137	0	0	0	0	0	0	0	0	22,137
MCMINNVILLE	0	0	0	0	0	0	0	28,814	0	0	28,814
BANDON	0	0	0	0	0	0	15,812	4,473	0	0	19,485
CANBY	0	0	0	0	0	0	0	13,589	0	0	13,589
FOREST GROVE	0	0	0	0	0	0	64	17,276	0	0	17,340
ASHLAND	0	0	0	0	0	0	181	15,583	345	0	16,109
MONMOUTH	0	0	0	0	0	0	0	14,255	388	0	14,635
EMERALD PUD	0	7,167	0	0	0	0	0	0	0	0	7,167
MILTON FREEMAN	0	0	0	0	0	0	0	7,677	0	0	7,677
CLATSKANIE PUD	0	0	0	0	0	0	4,645	41	0	0	4,686
CENTRAL ELECTRIC	NA	NA	0	0	0	0	0	0	0	NA	NA
Total	\$3,588,779	\$1,999,241	\$97,268	\$1,249,285	\$1,479,147	\$105,049	\$200,756	\$457,746	\$35,980	\$1,026,526	\$10,159,688
Percent of Total	34.54%	19.68%	0.96%	12.38%	14.56%	1.03%	1.98%	4.51%	0.35%	10.18%	100.00%

Note: NA indicates not available.

TABLE II-A.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Utilities

Utility	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
PGE	\$3,152,228	52.57%	\$1,966,377	32.75%	\$32,332	0.54%	\$845,297	14.10%	\$5,996,234
PP&L	1,645,797	56.42%	1,059,515	36.32%	98,025	3.36%	113,476	3.89%	2,916,813
CENTRAL LINCOLN	0	0.00%	287,862	90.96%	0	0.00%	20,669	9.04%	228,531
CP NATIONAL	38,852	17.77%	149,169	68.21%	2,217	1.01%	28,438	13.00%	218,675
SALEM ELECTRIC	0	0.00%	94,479	87.41%	0	0.00%	13,603	12.59%	108,082
NORTHERN WASCO	11,260	10.60%	94,953	89.40%	0	0.00%	NA	NA	106,213
SUB	771	0.78%	0	0.00%	98,578	99.22%	0	0.00%	99,349
IDAHO POWER	13,710	15.39%	75,380	84.61%	0	0.00%	NA	NA	89,090
TILLAMOOK PUD	0	0.00%	78,516	100.00%	0	0.00%	0	0.00%	78,516
EUGENE	0	0.00%	69,974	91.70%	6,332	8.30%	0	0.00%	76,306
CONSUMERS POWER	22,665	58.50%	16,078	41.50%	0	0.00%	0	0.00%	38,743
LANE ELECTRIC	32,554	97.95%	0	0.00%	0	0.00%	680	2.05%	33,234
COLUMBIA RIVER	21,001	77.83%	1,620	6.00%	0	0.00%	4,363	16.17%	26,984
COLUMBIA BASIN	0	0.00%	22,137	100.00%	0	0.00%	0	0.00%	22,137
MCMINNVILLE	0	0.00%	20,014	100.00%	0	0.00%	0	0.00%	20,014
BANDON	15,012	77.24%	4,473	22.96%	0	0.00%	0	0.00%	19,485
CANBY	0	0.00%	13,589	100.00%	0	0.00%	0	0.00%	13,589
FOREST GROVE	64	0.37%	17,276	99.63%	0	0.00%	0	0.00%	17,340
ASHLAND	181	1.12%	15,583	96.73%	345	2.14%	0	0.00%	16,109
MONMOUTH	0	0.00%	14,255	97.40%	380	2.60%	0	0.00%	14,635
EMERALD PUD	0	0.00%	7,167	100.00%	0	0.00%	0	0.00%	7,167
MILTON FREEWATER	0	0.00%	7,677	100.00%	0	0.00%	0	0.00%	7,677
CLATSKANIE PUD	4,645	99.13%	41	0.87%	0	0.00%	0	0.00%	4,686
CENTRAL ELECTRIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	\$4,958,740	48.81%	\$3,936,134	38.74%	\$238,209	2.34%	\$1,026,526	10.10%	\$10,159,608

Note: NA indicates not available.

TABLE II-A.3

ANNUAL STREELIGHT EXPENDITURE BY OWNERSHIP TYPE
All Utilities

Utility	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
PGE	\$2,187,060	35.14%	\$2,700,696	45.04%	\$343,181	5.72%	\$845,297	14.12%	\$5,996,234
PP&L	2,649,215	98.83%	20,768	0.71%	133,355	4.57%	113,476	3.85%	2,916,813
CENTRAL LINCOLN	207,696	90.88%	166	0.07%	0	0.00%	20,669	9.04%	228,530
CP NATIONAL	162,212	74.18%	0	0.00%	28,025	12.82%	28,438	13.00%	218,675
SALEM ELECTRIC	84,537	78.22%	9,942	9.20%	0	0.00%	13,603	12.59%	108,082
NORTHERN WASCO	106,213	100.00%	0	0.00%	0	0.00%	NA	NA	106,213
SUB	0	0.00%	99,349	100.00%	0	0.00%	0	0.00%	99,349
IDAHO POWER	87,760	98.51%	1,329	1.49%	0	0.00%	NA	NA	89,089
TILLAMOOK PUD	78,516	100.00%	0	0.00%	0	0.00%	0	0.00%	78,516
TUGENE	0	0.00%	0	0.00%	76,386	100.00%	0	0.00%	76,386
CONSUMERS POWER	38,743	100.00%	0	0.00%	0	0.00%	0	0.00%	38,743
LANE ELECTRIC	32,554	97.95%	0	0.00%	0	0.00%	680	2.05%	33,235
COLUMBIA RIVER	21,471	79.57%	1,150	4.26%	0	0.00%	4,363	15.17%	26,984
COLUMBIA BASIN	22,137	100.00%	0	0.00%	0	0.00%	0	0.00%	22,137
MCMINNVILLE	0	0.00%	0	0.00%	20,014	100.00%	0	0.00%	20,014
BANDON	0	0.00%	0	0.00%	19,485	100.00%	0	0.00%	19,485
CANBY	0	0.00%	0	0.00%	13,589	100.00%	0	0.00%	13,589
FOREST GROVE	0	0.00%	0	0.00%	17,340	100.00%	0	0.00%	17,340
ASHLAND	0	0.00%	0	0.00%	16,109	100.00%	0	0.00%	16,109
MONMOUTH	0	0.00%	0	0.00%	14,635	100.00%	0	0.00%	14,635
EMERALD PUD	7,167	100.00%	0	0.00%	0	0.00%	0	0.00%	7,167
MILTON FREEWATER	0	0.00%	0	0.00%	7,677	100.00%	0	0.00%	7,677
CLATSKANIE PUD	0	0.00%	0	0.00%	4,686	100.00%	0	0.00%	4,686
CENTRAL ELECTRIC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	\$5,605,280	55.17%	\$2,833,400	27.89%	\$694,402	6.83%	\$1,026,526	10.10%	\$10,159,608

Note: NA indicates not available.

TABLE II-B.1

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP AND LIGHT TYPE
All Cities
(Dollars Per Year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
ADAIR	\$3,653	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,653
ADAMS	2,178	158	0	0	0	0	0	0	0	165	2,500
ADRIAN	0	985	0	0	0	0	0	0	0	NA	985
ALBANY	206,896	98,178	0	0	5,371	0	0	115	0	9,662	320,222
AMITY	8,492	925	0	0	0	0	0	0	0	1,374	10,791
ARLINGTON	2,488	4,883	0	0	0	0	0	0	0	25	7,396
ASHLAND	0	0	0	0	0	0	181	15,583	345	0	16,109
ASTORIA	44,246	28,478	4,761	6,826	251	0	0	0	96	9,888	93,746
ATHENA	10,970	1,351	0	0	0	0	0	0	0	274	12,594
AUMSVILLE	10,239	835	0	0	0	0	0	0	0	778	11,852
AURORA	6,812	622	0	0	0	0	0	0	0	186	7,619
BAKER	0	0	0	0	0	0	5,874	22,152	0	0	28,025
BANDON	0	0	0	0	0	0	15,812	4,473	0	0	19,485
BANKS	5,625	0	0	0	0	0	0	0	0	489	6,034
BARLOW	1,561	0	0	0	0	0	0	0	0	0	1,561
BAY CITY	0	10,388	0	0	0	0	0	0	0	0	10,388
BEAVERTON	169,681	35,331	0	1,366	14,746	0	0	15,879	0	123,340	360,343
BEND*	53,332	48,211	28,988	0	0	0	418	0	0	2,061	125,010
BONANZA	2,764	770	0	0	0	0	0	0	0	0	3,534
BROWNSVILLE	4,610	3,661	1,835	0	0	0	0	0	0	113	9,419
BURNS	0	5,568	0	0	0	0	0	0	0	1,187	6,675
BUTTE FALLS	2,932	237	0	0	0	0	0	0	0	73	3,241
CANBY	0	0	0	0	0	0	0	13,589	0	0	13,589
CANNON BEACH	4,994	3,776	4,728	0	0	0	0	0	0	341	13,841
CANYON CITY	3,191	4,592	0	0	0	0	0	0	0	984	8,768
CANYONVILLE	5,361	2,888	0	0	0	0	0	0	0	48	7,489
CARLTON	11,774	118	0	0	0	0	0	0	0	186	12,078
CAVE JUNCTION	0	0	0	0	0	0	2,782	297	0	0	3,079
CENTRAL POINT	38,931	1,348	64	0	0	0	0	0	1,685	1,394	35,414
CHILOQUIN	8,545	182	0	0	0	0	0	0	0	668	9,396
CLATSKANIE	0	0	0	0	0	0	4,645	41	0	0	4,686
COBURG	6,573	1,412	0	0	0	0	0	0	0	147	8,133
COLUMBIA CITY	0	0	0	5,795	443	42	0	0	0	127	6,408
CONDON	0	6,288	0	0	0	0	0	0	0	0	6,288
COGS BAY	29,551	49,165	0	0	0	0	0	17,736	0	1,529	97,981
COQUILLE	19,851	28,527	0	0	0	0	0	0	0	693	41,071
CORNELIUS	15,754	1,113	0	8,756	0	0	0	0	0	5,442	31,065
CORVALLIS	182,497	125,924	0	0	0	0	0	1,796	0	6,528	236,736
COTTAGE GROVE	36,116	18,272	0	0	0	0	0	0	0	3,764	58,151
COVE	1,388	2,887	0	0	0	0	0	0	0	492	3,8
CRESMELL	8,552	2,564	0	0	0	0	0	0	0	249	11,361
DALLAS	39,615	8,498	0	0	0	0	0	0	0	2,383	50,416
DAYTON	8,284	436	0	863	0	0	0	0	44	387	9,934

TABLE II-B.1

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP AND LIGHT TYPE

All Cities
(Dollars Per Year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
DAYVILLE	0	2,936	0	0	0	0	0	0	0	664	3,600
DEPOE BAY	0	5,554	0	0	0	0	0	0	0	137	5,690
DETROIT	6,854	0	0	0	0	0	0	0	0	0	6,854
DONALD	3,415	0	0	0	0	0	0	0	0	124	3,538
DUFUR	175	6,177	0	0	0	0	0	0	0	0	6,352
DUNDEE	6,401	2,338	0	359	0	0	0	0	0	1,065	10,164
DUNES CITY	0	5,670	0	0	0	0	0	0	0	58	5,728
DURHAM	2,138	0	0	3,378	415	0	0	0	0	384	6,315
EAGLE POINT	14,883	4,326	0	0	0	0	0	0	0	928	20,138
ECHO	6,015	530	0	0	0	0	0	0	0	352	6,897
ELGIN	0	14,655	0	0	0	0	0	0	0	3,395	18,050
ENTERPRISE	7,957	7,003	0	0	0	0	0	0	0	106	15,066
ESTACADA	13,074	2,202	0	0	0	0	0	0	0	805	16,081
EUGENE	0	0	0	0	0	0	0	69,974	6,332	0	76,306
FAIRVIEW	8,801	925	0	575	986	0	0	0	0	299	11,665
FALLS CITY	3,988	293	0	0	0	0	0	0	0	11	4,293
FLORENCE	0	26,740	0	0	0	0	0	0	0	1,964	28,704
FOREST GROVE	0	0	0	0	0	0	64	17,276	0	0	17,340
FOSSIL	0	3,600	0	0	0	0	0	0	0	0	3,600
GARIBALDI	0	6,756	0	0	0	0	0	0	0	0	6,756
GASTON	4,816	145	0	0	0	0	0	0	0	45	5,007
GATES	1,256	2,871	0	0	0	0	0	0	0	79	4,207
GEARHART	3,535	1,668	3,218	0	0	0	0	0	0	270	8,691
GERVAIS	5,366	1,397	0	0	0	0	0	0	0	217	6,980
GLADSTONE	0	156	0	29,452	4,810	0	149	0	72	3,056	37,697
GLENDALE	2,848	533	4,189	0	0	0	0	0	0	224	7,794
GOLD HILL	6,190	0	0	0	0	0	0	0	0	0	6,190
GRANTS PASS	112,777	7,878	0	0	0	0	0	0	0	10,252	130,907
GRASS VALLEY	2,094	0	0	0	0	0	0	0	0	0	2,094
GRESHAM	177,395	29,194	0	28,383	28,901	0	0	0	0	62,289	326,162
HAINES	118	952	2,217	0	0	0	0	0	0	197	3,484
HALFWAY	637	2,421	0	0	0	0	0	0	0	NA	3,058
HALSEY	570	2,002	4,899	0	0	0	0	0	0	11	7,482
HAMMOND	2,429	351	1,716	0	0	0	0	0	0	172	4,668
HARRISBURG	10,184	2,511	38	0	0	0	0	0	0	345	13,078
HELIX	1,675	0	0	0	0	0	0	0	0	40	1,715
HEPPNER	0	8,442	0	0	0	0	0	0	0	0	8,442
HERMISTON	30,390	19,002	0	0	0	0	0	0	0	574	49,967
HILLSBORO	172,384	33,936	0	0	7,146	0	0	0	0	124,552	338,019
INES	0	8,805	0	0	0	0	0	0	0	2,042	10,847
HOOD RIVER	4,942	7,035	352	390	0	0	0	0	0	389	13,108
HUBBARD	13,304	912	0	0	0	0	0	0	0	2,205	16,420
HUNTINGTON	956	4,230	0	0	0	0	0	0	0	NA	5,187

TABLE II-B.1

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP AND LIGHT TYPE
All Cities
(Dollars Per Year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
MT. ANGEL	13,991	2,251	0	0	0	0	0	0	0	583	16,825
MT. VERNON	0	5,354	0	0	0	0	0	0	0	1,230	6,584
MYRTLE CREEK	7,873	9,969	0	0	0	0	0	0	0	620	18,463
MYRTLE POINT	14,490	15,741	0	0	0	0	0	0	0	66	30,298
NEHALEM	0	5,568	0	0	0	0	0	0	0	0	5,568
NEWBERG	44,792	2,574	0	18,258	2,934	0	214	0	0	10,687	79,459
NEWPORT	0	68,969	0	0	0	0	0	0	0	6,461	75,430
NORTH BEND	33,923	42,165	0	0	0	0	0	0	0	2,175	78,263
NORTH PLAINS	5,388	375	0	0	0	0	0	0	0	124	5,886
NORTH POWDER	0	4,362	0	0	0	0	0	0	0	984	5,346
NYSSA	2,709	12,057	0	0	0	0	0	0	0	NA	14,766
OAKLAND	2,951	2,443	0	0	0	0	0	0	0	211	5,606
OAKRIDGE	29,936	0	0	0	0	0	0	0	0	680	30,616
ONTARIO	5,657	41,103	0	0	767	0	0	0	0	NA	47,527
OREGON CITY	101,086	11,007	0	3,163	1,256	0	50	1,162	0	13,370	131,893
ENDLETON	54,780	51,403	1,335	563	0	0	0	0	0	3,889	111,969
PHILOMATH	3,267	9,621	4,457	0	0	0	0	0	0	145	17,490
PHOENIX	3,963	7,493	135	0	0	0	0	0	0	204	11,875
PILOT ROCK	12,401	1,170	75	0	0	0	0	0	0	529	14,175
PORTLAND	1,561	0	0	858,966	1,298,249	0	149,760	147,634	25,059	235,446	2,716,674
POWERS	3,183	3,867	0	0	0	0	0	0	0	20	7,069
PRAIRIE CITY	0	4,610	0	0	0	0	0	0	0	1,058	5,668
PRESCOTT	1,074	132	0	0	0	0	0	0	0	93	2,099
PRINEVILLE	15,111	24,171	0	0	0	0	0	0	0	327	39,609
RAINIER	12,978	454	0	0	230	0	0	0	0	384	14,046
REDMOND*	17,032	28,820	5,376	0	0	0	0	0	0	2,181	53,409
REEDSPORT	0	27,932	0	0	166	0	0	0	0	3,067	31,165
RICHLAND	0	1,315	0	0	0	0	0	0	0	NA	1,394
RIDDLE	3,937	4,273	0	0	0	0	0	0	0	310	8,520
ROCKAWAY	0	16,356	0	0	0	0	0	0	0	0	16,356
ROGUE RIVER	0,830	879	135	0	0	0	0	0	0	652	10,496
ROSEBURG	75,344	36,649	0	0	0	0	0	0	0	5,165	117,158
SALEM	278,423	154,568	0	33,929	64,339	0	274	62	0	97,345	628,941
SANDY	19,609	3,735	0	5,607	1,566	0	0	0	0	2,251	32,766
SCAPPOOSE	29,939	2,565	0	0	0	0	0	0	0	5,295	37,799
SCIO	0	6,506	0	0	0	0	0	0	0	0	6,506
SCOTTS MILL	0	1,695	0	0	0	0	0	0	0	62	1,757
SEASIDE	6,320	40,441	182	0	0	0	0	115	0	537	47,595
SENECA	1,418	103	0	0	0	0	0	0	0	25	1,546
SHADY COVE	1,659	408	0	0	0	0	0	0	0	44	2,111
SHERIDAN	16,648	2,009	0	359	0	0	0	0	145	383	19,625
SHERWOOD	8,215	4,727	0	4,097	783	0	0	0	0	1,242	19,065
SILETZ	0	4,837	0	0	0	0	0	0	0	1,150	5,987

TABLE II-B.1

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP AND LIGHT TYPE
All Cities
(Dollars Per Year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
SILVERTON	31,792	6,400	0	0	0	0	0	0	0	1,421	39,613
SISTERS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPRINGFIELD	0	0	0	771	0	98,578	0	0	0	0	99,349
STANFIELD	8,546	3,108	0	0	0	0	0	0	0	666	12,320
STAYTON	28,106	0	0	0	0	0	0	0	0	2,635	30,741
ST. HELENS	59,168	4,524	0	288	323	357	214	0	210	3,746	68,829
ST. PAUL	4,583	382	0	0	0	0	0	0	0	31	4,916
SUBLIMITY	6,567	3,876	0	0	0	0	0	0	0	589	10,953
SUMMERVILLE	0	1,343	0	0	0	0	0	0	0	320	1,663
SUMPTER	0	2,170	0	0	0	0	0	0	0	517	2,686
SUTHERLIN	38,015	5,254	0	0	0	0	0	0	0	1,712	36,981
SWEET HOME	29,541	25,236	0	0	0	0	0	0	0	1,439	56,216
TALENT	6,382	3,719	0	0	0	0	0	0	0	467	10,568
THE DALLES	11,085	88,776	0	0	0	0	0	0	0	0	99,861
TIGARD	42,725	24,785	0	11,750	1,869	0	0	0	0	12,990	93,319
TILLAMOOK	0	27,540	0	0	0	0	0	0	0	0	27,540
TOLEDO	0	41,980	0	0	0	0	0	0	0	6,510	48,490
TUALATIN	21,719	1,997	0	44,583	10,391	6,871	0	0	0	9,497	94,259
TURNER	9,415	453	0	0	0	0	0	0	0	1,721	11,589
UMATILLA	18,785	1,636	0	0	0	0	0	0	0	1,318	21,658
UNION	3,191	4,611	0	0	0	0	0	0	0	1,033	8,835
UNITY	0	681	0	0	0	0	0	0	0	NA	681
VALE	2,789	10,579	0	562	0	0	0	0	0	NA	13,851
VENETA	2,619	5,341	0	0	0	0	0	0	0	0	7,960
WALDPORT	0	18,969	0	0	0	0	0	0	0	1,890	12,059
WALLOWA	5,640	0	0	0	0	0	0	0	0	0	5,640
WARRENTON	5,296	2,649	9,987	0	0	0	0	225	0	325	18,481
WASCO	335	0	0	0	0	0	0	0	0	26	361
WATERLOO	1,609	227	0	0	0	0	0	0	0	79	1,915
WEST LINN	98,065	21,150	0	216	2,319	0	0	0	0	23,481	145,231
WESTON	6,481	1,152	0	0	0	0	0	0	0	125	7,758
WHEELER	0	4,152	0	0	0	0	0	0	0	0	4,152
WILLAMINA	16,497	354	0	647	110	0	0	0	0	725	18,333
WILSONVILLE	13,868	16,681	0	6,628	2,471	0	0	228	0	28,598	67,579
WINSTON	6,874	6,926	0	1,375	0	0	1,359	0	0	326	16,860
WOOD VILLAGE	18,787	2,238	0	0	0	0	0	0	0	1,734	14,760
WOODBURN	63,713	18,963	0	0	0	0	0	0	0	13,483	88,159
YACHTS	0	5,249	0	0	0	0	0	0	0	174	5,423
YAMHILL	6,565	0	0	0	0	0	0	0	0	155	6,720
TOTAL	3,588,779	1,999,241	97,260	1,249,285	1,479,147	185,848	200,756	457,746	35,900	1,826,526	10,159,681

Note: NA indicates not available.

TABLE II-B.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
ADAIR	\$3,653	100.0%	\$0	0.0%	\$0	0.0%	\$0	0.0%	\$3,653
ADAMS	2,178	87.1%	158	6.3%	0	0.0%	165	6.6%	2,500
ADRIAN	0	0.0%	905	100.0%	0	0.0%	NA	NA	905
ALBANY	206,896	64.6%	103,665	32.4%	0	0.0%	9,662	3.0%	320,222
AMITY	8,492	78.7%	925	8.6%	0	0.0%	1,374	12.7%	10,791
ARLINGTON	2,488	33.6%	4,883	66.0%	0	0.0%	25	0.3%	7,396
ASHLAND	181	1.1%	15,583	96.7%	345	2.1%	0	0.0%	16,109
ASTORIA	50,272	53.6%	28,728	30.6%	4,858	5.2%	9,886	10.5%	93,746
ATHENA	10,978	87.1%	1,351	10.7%	0	0.0%	274	2.2%	12,594
AUMSVILLE	10,239	86.4%	835	7.0%	0	0.0%	778	6.6%	11,852
AURORA	6,812	89.4%	622	8.2%	0	0.0%	186	2.4%	7,619
BAKER	5,874	21.0%	22,152	79.0%	0	0.0%	0	0.0%	28,025
BANDON	15,012	77.0%	4,473	23.0%	0	0.0%	0	0.0%	19,485
BANKS	5,625	93.2%	0	0.0%	0	0.0%	409	6.8%	6,034
BARLOW	1,561	100.0%	0	0.0%	0	0.0%	0	0.0%	1,561
BEAVERTON	0	0.0%	10,380	100.0%	0	0.0%	0	0.0%	10,380
BEAVERTON	171,047	47.5%	65,956	18.3%	0	0.0%	123,340	34.2%	360,343
BEND*	53,750	43.0%	40,211	32.2%	28,988	23.2%	2,061	1.6%	125,010
BONANZA	2,764	78.2%	770	21.8%	0	0.0%	0	0.0%	3,534
BROWNSVILLE	4,610	48.9%	3,661	38.9%	1,035	11.0%	113	1.2%	9,419
BURNS	0	0.0%	5,568	83.4%	0	0.0%	1,107	16.6%	6,675
BUTTE FALLS	2,932	90.5%	237	7.3%	0	0.0%	73	2.2%	3,241
CANBY	0	0.0%	13,589	100.0%	0	0.0%	0	0.0%	13,589
CANNON BEACH	4,994	36.1%	3,776	27.3%	4,728	34.2%	341	2.5%	13,841
CANYON CITY	3,191	36.4%	4,592	52.4%	0	0.0%	984	11.2%	8,768
CANYONVILLE	5,361	72.4%	2,008	27.1%	0	0.0%	40	0.5%	7,409
CARLTON	11,774	97.5%	118	1.0%	0	0.0%	186	1.5%	12,078
CAVE JUNCTION	2,782	90.3%	297	9.7%	0	0.0%	0	0.0%	3,079
CENTRAL POINT	30,931	87.3%	1,340	3.8%	1,749	4.9%	1,394	3.9%	35,414
CHILOQUIN	8,545	91.0%	182	1.9%	0	0.0%	668	7.1%	9,396
CLATSKANIE	4,645	99.1%	41	0.9%	0	0.0%	0	0.0%	4,686
COBURG	6,573	80.8%	1,412	17.4%	0	0.0%	147	1.8%	8,133
COLUMBIA CITY	5,795	90.4%	443	6.9%	42	0.7%	127	2.0%	6,408
CONDON	0	0.0%	6,288	100.0%	0	0.0%	0	0.0%	6,288
COOS BAY	29,551	30.2%	66,901	68.3%	0	0.0%	1,529	1.6%	97,981
COQUILLE	19,851	48.3%	20,527	50.0%	0	0.0%	693	1.7%	41,071
CORNELIUS	24,510	78.9%	1,113	3.6%	0	0.0%	5,442	17.5%	31,065
CORVALLIS	102,497	43.3%	127,719	54.0%	0	0.0%	6,520	2.8%	236,736
COTTAGE GROVE	36,116	72.0%	10,272	20.5%	0	0.0%	3,764	7.5%	50,151
COVE	1,300	33.5%	2,087	53.8%	0	0.0%	492	12.7%	3,879
ESWELL	8,552	75.2%	2,564	22.6%	0	0.0%	249	2.2%	11,365
DALLAS	39,615	78.6%	8,498	16.9%	0	0.0%	2,303	4.6%	50,416
DAYTON	9,146	92.1%	436	4.4%	44	0.4%	307	3.1%	9,934

TABLE II-B.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
DAYVILLE	0	0.0%	2,936	81.6%	0	0.0%	664	18.4%	3,600
DEPOE BAY	0	0.0%	5,554	97.6%	0	0.0%	137	2.4%	5,690
DETROIT	6,854	100.0%	0	0.0%	0	0.0%	0	0.0%	6,854
DONALD	3,415	96.5%	0	0.0%	0	0.0%	124	3.5%	3,538
DUFUR	175	2.8%	6,177	97.2%	0	0.0%	0	0.0%	6,352
DUNDEE	6,761	66.5%	2,338	23.0%	0	0.0%	1,065	10.5%	10,164
DUNES CITY	0	0.0%	5,670	99.0%	0	0.0%	58	1.0%	5,728
DURHAM	5,516	87.3%	415	6.6%	0	0.0%	384	6.1%	6,315
EAGLE POINT	14,883	73.9%	4,326	21.5%	0	0.0%	928	4.6%	20,138
ECHO	6,015	87.2%	530	7.7%	0	0.0%	352	5.1%	6,897
ELGIN	0	0.0%	14,655	81.2%	0	0.0%	3,395	18.8%	18,050
ENTERPRISE	7,957	52.8%	7,003	46.5%	0	0.0%	106	0.7%	15,066
ESTACADA	13,074	81.3%	2,202	13.7%	0	0.0%	805	5.0%	16,081
EUGENE	0	0.0%	69,974	91.7%	6,332	8.3%	0	0.0%	76,306
FAIRVIEW	9,456	81.1%	1,911	16.4%	0	0.0%	299	2.6%	11,665
FALLS CITY	3,988	92.9%	293	6.8%	0	0.0%	11	0.3%	4,293
FLORENCE	0	0.0%	26,740	93.2%	0	0.0%	1,964	6.8%	28,704
FOREST GROVE	64	0.4%	17,276	99.6%	0	0.0%	0	0.0%	17,340
FOSSIL	0	0.0%	3,600	100.0%	0	0.0%	0	0.0%	3,600
GARIBALDI	0	0.0%	6,756	100.0%	0	0.0%	0	0.0%	6,756
GASTON	4,816	96.2%	145	2.9%	0	0.0%	45	0.9%	5,007
GATES	1,256	29.9%	2,871	68.3%	0	0.0%	79	1.9%	4,207
GEARHART	3,535	40.7%	1,668	19.2%	3,218	37.0%	270	3.1%	8,691
GERVAIS	5,366	76.9%	1,397	20.0%	0	0.0%	217	3.1%	6,980
GLADSTONE	29,601	78.5%	4,967	13.2%	72	0.2%	3,056	8.1%	37,697
GLENDALE	2,848	36.5%	533	6.8%	4,189	53.7%	224	2.9%	7,794
GOLD HILL	6,190	100.0%	0	0.0%	0	0.0%	0	0.0%	6,190
GRANTS PASS	112,777	86.2%	7,878	6.0%	0	0.0%	10,252	7.8%	130,907
GRASS VALLEY	2,094	100.0%	0	0.0%	0	0.0%	0	0.0%	2,094
GRESHAM	205,778	63.1%	58,094	17.8%	0	0.0%	62,289	19.1%	326,162
HAINES	118	3.4%	952	27.3%	2,217	63.6%	197	5.6%	3,484
HALFWAY	637	20.8%	2,421	79.2%	0	0.0%	NA	NA	3,058
HALSEY	570	7.6%	2,002	26.8%	4,099	65.5%	11	0.2%	7,482
HAMMOND	2,429	52.0%	351	7.5%	1,716	36.8%	172	3.7%	4,668
HARRISBURG	10,184	77.9%	2,511	19.2%	38	0.3%	345	2.6%	13,078
HELIX	1,675	97.7%	0	0.0%	0	0.0%	40	2.3%	1,715
HEPPNER	0	0.0%	8,442	100.0%	0	0.0%	0	0.0%	8,442
HERMISTON	30,390	60.8%	19,002	38.0%	0	0.0%	574	1.1%	49,967
HILLSBORO	172,384	51.0%	41,082	12.2%	0	0.0%	124,552	36.8%	338,019
HINES	0	0.0%	8,805	81.2%	0	0.0%	2,042	18.8%	10,847
HOOD RIVER	5,331	40.7%	7,035	53.7%	352	2.7%	389	3.0%	13,108
HUBBARD	13,384	81.0%	912	5.6%	0	0.0%	2,205	13.4%	16,420
HUNTINGTON	956	18.4%	4,230	81.6%	0	0.0%	NA	NA	5,187

TABLE II-B.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
IDANHA	2,967	100.0%	0	0.0%	0	0.0%	0	0.0%	2,967
IMBLER	1,418	49.5%	1,200	41.9%	0	0.0%	246	8.6%	2,865
INDEPENDENCE	19,124	79.5%	1,411	5.9%	1,497	6.2%	2,017	8.4%	24,049
IONE	0	0.0%	2,130	100.0%	0	0.0%	0	0.0%	2,130
ISLAND CITY	2,600	55.5%	1,695	36.1%	0	0.0%	394	8.4%	4,689
JACKSONVILLE	2,043	18.1%	9,007	79.8%	158	1.4%	73	0.6%	11,280
JEFFERSON	6,198	78.9%	1,498	19.1%	0	0.0%	158	2.0%	7,855
JOHN DAY	6,028	34.8%	9,373	54.0%	0	0.0%	1,943	11.2%	17,345
JOHNSON CITY	1,863	100.0%	0	0.0%	0	0.0%	0	0.0%	1,863
JORDAN VAL	398	23.2%	1,322	76.8%	0	0.0%	NA	NA	1,721
JOSEPH	3,192	100.0%	0	0.0%	0	0.0%	0	0.0%	3,192
JUNCTION CITY	21,184	84.4%	3,470	13.8%	0	0.0%	454	1.8%	25,108
KEIZER	4,441	9.6%	31,554	68.0%	0	0.0%	10,432	22.5%	46,428
KLING CITY	1,732	75.3%	73	3.2%	309	13.4%	186	8.1%	2,299
KLAMATH FALLS	58,032	56.0%	28,000	27.0%	12,605	12.2%	4,985	4.8%	103,623
LAFAYETTE	11,022	89.2%	236	1.9%	22	0.2%	1,078	8.7%	12,359
LAGRANDE	13,711	18.8%	48,363	66.3%	0	0.0%	10,824	14.8%	72,898
LAKE OSWEGO	159,594	76.6%	24,933	12.0%	0	0.0%	23,831	11.4%	208,357
LAKESIDE	0	0.0%	9,797	99.4%	0	0.0%	59	0.6%	9,856
LAKEVIEW	12,899	49.6%	11,292	43.4%	0	0.0%	1,811	7.0%	26,002
LEBANON	57,144	74.8%	16,240	21.3%	0	0.0%	2,983	3.9%	76,367
LEXINGTON	0	0.0%	1,524	100.0%	0	0.0%	0	0.0%	1,524
LINCOLN CITY	45,215	42.5%	60,175	56.6%	0	0.0%	1,012	1.0%	106,402
LONE ROCK	0	0.0%	153	100.0%	0	0.0%	0	0.0%	153
LONG CREEK	0	0.0%	4,237	81.2%	0	0.0%	984	18.8%	5,221
LOSTINE	1,340	100.0%	0	0.0%	0	0.0%	0	0.0%	1,340
LOWELL	0	0.0%	1,826	100.0%	0	0.0%	0	0.0%	1,826
LYONS	4,680	83.8%	552	9.9%	0	0.0%	353	6.3%	5,585
MADRAS	3,250	21.5%	11,744	77.6%	0	0.0%	143	0.9%	15,138
MALIN	1,510	41.3%	271	7.4%	1,854	50.8%	18	0.5%	3,653
MANZANITA	0	0.0%	7,764	100.0%	0	0.0%	0	0.0%	7,764
MCMINNVILLE	0	0.0%	20,014	100.0%	0	0.0%	0	0.0%	20,014
MEDFORD	110,478	49.5%	94,019	42.1%	4,461	2.0%	14,420	6.5%	223,378
MERRILL	6,955	93.8%	91	1.2%	0	0.0%	370	5.0%	7,415
METOLIUS	503	19.4%	2,062	79.8%	0	0.0%	20	0.8%	2,584
MILL CITY	10,293	56.4%	5,155	28.3%	0	0.0%	2,790	15.3%	18,237
MILLERSBURG	8,099	67.1%	3,359	27.8%	0	0.0%	617	5.1%	12,076
MILTON FREEWATER	0	0.0%	7,677	100.0%	0	0.0%	0	0.0%	7,677
MILWAUKIE	197,611	82.4%	9,741	4.1%	0	0.0%	32,427	13.5%	239,779
MLALLA	38,344	83.8%	1,796	5.0%	0	0.0%	4,050	11.2%	36,190
MONMOUTH	0	0.0%	14,255	97.4%	300	2.6%	0	0.0%	14,635
MONROE	2,363	67.5%	1,187	31.6%	0	0.0%	29	0.8%	3,499
MORO	3,434	100.0%	0	0.0%	0	0.0%	0	0.0%	3,434

TABLE II-B.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
MT. ANGEL	13,991	83.2%	2,251	13.4%	0	0.0%	583	3.5%	16,825
MT. VERNON	0	0.0%	5,354	81.3%	0	0.0%	1,230	18.7%	6,584
MYRTLE CREEK	7,873	42.6%	9,969	54.0%	0	0.0%	620	3.4%	18,463
MYRTLE POINT	14,490	47.8%	15,741	52.0%	0	0.0%	66	0.2%	30,298
NEHALEM	0	0.0%	5,568	100.0%	0	0.0%	0	0.0%	5,568
NEWBERG	63,264	79.6%	5,508	6.9%	0	0.0%	10,687	13.4%	79,459
NEWPORT	0	0.0%	68,969	91.4%	0	0.0%	6,461	8.6%	75,430
NORTH BEND	33,923	43.3%	42,165	53.9%	0	0.0%	2,175	2.8%	78,263
NORTH PLAINS	5,388	91.5%	375	6.4%	0	0.0%	124	2.1%	5,886
NORTH POWDER	0	0.0%	4,362	81.6%	0	0.0%	984	18.4%	5,346
NYSSA	2,709	18.3%	12,057	81.7%	0	0.0%	NA	NA	14,766
OAKLAND	2,951	52.7%	2,443	43.6%	0	0.0%	211	3.8%	5,606
OAKRIDGE	29,936	97.8%	0	0.0%	0	0.0%	680	2.2%	30,616
ONTARIO	5,657	11.9%	41,870	88.1%	0	0.0%	NA	NA	47,527
OREGON CITY	105,099	79.7%	13,425	10.2%	0	0.0%	13,370	10.1%	131,893
PENDLETON	55,342	49.4%	51,403	45.9%	1,335	1.2%	3,889	3.5%	111,969
PHILOMATH	3,267	18.7%	9,621	55.0%	4,457	25.5%	145	0.8%	17,490
PHOENIX	3,963	33.4%	7,493	63.1%	135	1.1%	284	2.4%	11,875
PILOT ROCK	12,401	87.5%	1,170	8.3%	75	0.5%	529	3.7%	14,175
PORTLAND	1,010,287	37.2%	1,445,003	53.2%	25,059	0.9%	235,446	8.7%	2,716,674
POWERS	3,183	45.0%	3,867	54.7%	0	0.0%	20	0.3%	7,069
PRAIRIE CITY	0	0.0%	4,610	81.3%	0	0.0%	1,050	18.7%	5,668
PRESCOTT	1,874	89.3%	132	6.3%	0	0.0%	93	4.4%	2,099
PRINEVILLE	15,111	38.2%	24,171	61.0%	0	0.0%	327	0.8%	39,609
RAINIER	12,978	92.4%	685	4.9%	0	0.0%	304	2.7%	14,046
REDMOND*	17,032	31.9%	28,820	54.0%	5,376	10.1%	2,181	4.1%	53,409
REEDSPORT	0	0.0%	28,098	90.2%	0	0.0%	3,067	9.8%	31,165
RICHLAND	0	0.0%	1,315	94.3%	0	0.0%	NA	NA	1,315
RIDDLE	3,937	46.2%	4,273	50.2%	0	0.0%	310	3.6%	8,520
ROCKAWAY	0	0.0%	16,356	100.0%	0	0.0%	0	0.0%	16,356
ROGUE RIVER	8,830	84.1%	879	8.4%	135	1.3%	652	6.2%	10,496
ROSEBURG	75,344	64.3%	36,649	31.3%	0	0.0%	5,165	4.4%	117,158
SALEM	312,626	49.7%	218,969	34.8%	0	0.0%	97,345	15.5%	628,941
SANDY	25,215	77.0%	5,301	16.2%	0	0.0%	2,251	6.9%	32,766
SCAPPOOSE	29,939	79.2%	2,565	6.8%	0	0.0%	5,295	14.0%	37,799
SCIO	0	0.0%	6,506	100.0%	0	0.0%	0	0.0%	6,506
SCOTT'S MILL	0	0.0%	1,695	96.5%	0	0.0%	62	3.5%	1,757
SEASIDE	6,320	13.3%	40,556	85.2%	182	0.4%	537	1.1%	47,595
SENECA	1,418	91.7%	103	6.7%	0	0.0%	25	1.6%	1,546
SHADY COVE	1,659	78.6%	408	19.3%	0	0.0%	44	2.1%	2,111
SHERIDAN	17,007	86.7%	2,089	10.6%	145	0.7%	383	2.0%	19,625
SHERWOOD	12,312	64.6%	5,510	28.9%	0	0.0%	1,242	6.5%	19,065
SILETZ	0	0.0%	4,837	80.8%	0	0.0%	1,150	19.2%	5,987

TABLE 11-B.2

ANNUAL STREETLIGHT EXPENDITURE BY LIGHT TYPE
All Cities

City	Mercury Vapor		HPSV		Other		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
SILVERTON	31,792	80.3%	6,400	16.2%	0	0.0%	1,421	3.6%	39,613
SISTERS	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPRINGFIELD	771	0.8%	0	0.0%	98,578	99.2%	0	0.0%	99,349
STANFIELD	8,546	69.4%	3,108	25.2%	0	0.0%	666	5.4%	12,320
STAYTON	28,106	91.4%	0	0.0%	0	0.0%	2,635	8.6%	30,741
ST. HELENS	59,670	86.7%	4,846	7.0%	567	0.8%	3,746	5.4%	68,829
ST. PAUL	4,583	93.2%	302	6.1%	0	0.0%	31	0.6%	4,916
SUBLIMITY	6,567	68.0%	3,876	35.4%	0	0.0%	509	4.7%	10,953
SUMMERVILLE	0	0.0%	1,343	80.8%	0	0.0%	320	19.2%	1,663
SUMPTER	0	0.0%	2,170	80.8%	0	0.0%	517	19.2%	2,686
SUTHERLIN	30,015	81.2%	5,254	14.2%	0	0.0%	1,712	4.6%	36,981
SWEET HOME	29,541	52.5%	25,236	44.9%	0	0.0%	1,439	2.6%	55,216
TALENT	6,382	60.4%	3,719	35.2%	0	0.0%	467	4.4%	10,568
THE DALLES	11,085	11.1%	88,776	88.9%	0	0.0%	0	0.0%	99,861
TIGARD	54,475	58.4%	25,854	27.7%	0	0.0%	12,950	13.9%	93,319
TILLAMOOK	0	0.0%	27,540	100.0%	0	0.0%	0	0.0%	27,540
TOLEDO	0	0.0%	41,980	86.6%	0	0.0%	6,510	13.4%	48,490
TUALATIN	66,303	70.3%	12,388	13.1%	6,071	6.4%	9,497	10.1%	94,259
TURNER	9,415	61.2%	453	3.9%	0	0.0%	1,721	14.8%	11,589
UMATILLA	18,705	86.4%	1,636	7.6%	0	0.0%	1,318	6.1%	21,659
UNION	3,191	36.1%	4,611	52.2%	0	0.0%	1,033	11.7%	8,835
UNITY	0	0.0%	681	100.0%	0	0.0%	NA	NA	681
VALE	3,271	23.6%	10,579	76.4%	0	0.0%	NA	NA	13,851
VENETA	2,619	32.9%	5,341	67.1%	0	0.0%	0	0.0%	7,960
WALDPORT	0	0.0%	10,969	91.0%	0	0.0%	1,090	9.0%	12,059
WALLOWA	5,640	100.0%	0	0.0%	0	0.0%	0	0.0%	5,640
WARRENTON	5,296	28.7%	2,873	15.5%	9,987	54.0%	325	1.8%	18,481
WASCO	335	92.7%	0	0.0%	0	0.0%	26	7.3%	361
WATERLOO	1,609	84.0%	227	11.8%	0	0.0%	79	4.1%	1,915
WEST LINN	98,281	67.7%	23,469	16.2%	0	0.0%	23,481	15.2%	145,231
WESTON	6,481	83.5%	1,152	14.8%	0	0.0%	125	1.6%	7,758
WHEELER	0	0.0%	4,152	100.0%	0	0.0%	0	0.0%	4,152
WILLAMINA	17,144	93.5%	464	2.5%	0	0.0%	725	4.0%	18,333
WILSONVILLE	19,680	29.1%	19,300	28.6%	0	0.0%	28,598	42.3%	67,579
WINSTON	9,609	57.0%	6,926	41.1%	0	0.0%	326	1.9%	16,860
WOOD VILLAGE	10,787	73.1%	2,238	15.2%	0	0.0%	1,734	11.7%	14,760
WOODBURN	63,713	72.3%	10,963	12.4%	0	0.0%	13,483	15.3%	88,159
YACHTS	0	0.0%	5,249	96.8%	0	0.0%	174	3.2%	5,423
YAMHILL	6,565	97.7%	0	0.0%	0	0.0%	155	2.3%	6,720
TOTAL	\$4,958,740	48.8%	\$3,936,133	38.7%	\$238,209	2.3%	\$1,026,526	10.1%	\$10,159,607

Note: NA indicates not available.

TABLE II-B.3

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
ADAIR	3,653	100.0%	0	0.0%	0	0.0%	0	0.0%	3,653
ADAMS	2,335	93.4%	0	0.0%	0	0.0%	155	6.6%	2,520
ADRIAN	905	100.0%	0	0.0%	0	0.0%	NA	NA	905
ALBANY	305,074	95.3%	5,371	1.7%	115	0.0%	9,662	3.0%	320,222
AMITY	9,418	87.3%	0	0.0%	0	0.0%	1,374	12.7%	10,791
ARLINGTON	7,371	99.7%	0	0.0%	0	0.0%	25	0.3%	7,396
ASHLAND	0	0.0%	0	0.0%	16,109	100.0%	0	0.0%	16,109
ASTORIA	77,485	82.7%	6,277	6.7%	96	0.1%	9,888	10.5%	93,746
ATHENA	12,321	97.8%	0	0.0%	0	0.0%	274	2.2%	12,594
AUMSVILLE	11,074	93.4%	0	0.0%	0	0.0%	778	6.6%	11,852
AURORA	7,434	97.6%	0	0.0%	0	0.0%	186	2.4%	7,619
BAKER	0	0.0%	0	0.0%	28,025	100.0%	0	0.0%	28,025
BANDON	0	0.0%	0	0.0%	19,485	100.0%	0	0.0%	19,485
BANKS	5,625	93.2%	0	0.0%	0	0.0%	409	6.8%	6,034
BARLOW	1,561	100.0%	0	0.0%	0	0.0%	0	0.0%	1,561
BAY CITY	10,380	100.0%	0	0.0%	0	0.0%	0	0.0%	10,380
BEAVERTON	205,012	56.9%	16,112	4.5%	15,879	4.4%	123,340	34.2%	350,343
BEND*	122,531	98.0%	0	0.0%	418	0.3%	2,061	1.6%	125,010
BONANZA	3,534	100.0%	0	0.0%	0	0.0%	0	0.0%	3,534
BROWNSVILLE	9,306	98.8%	0	0.0%	0	0.0%	113	1.2%	9,419
BURNS	5,568	83.4%	0	0.0%	0	0.0%	1,107	16.6%	6,675
BUTTE FALLS	3,168	97.8%	0	0.0%	0	0.0%	73	2.2%	3,241
CANBY	0	0.0%	0	0.0%	13,589	100.0%	0	0.0%	13,589
CANNON BEACH	13,499	97.5%	0	0.0%	0	0.0%	341	2.5%	13,841
CANYON CITY	7,794	88.8%	0	0.0%	0	0.0%	984	11.2%	8,758
CANYONVILLE	7,369	99.5%	0	0.0%	0	0.0%	40	0.5%	7,409
CARLTON	11,892	98.5%	0	0.0%	0	0.0%	186	1.5%	12,078
CAVE JUNCTION	0	0.0%	0	0.0%	3,079	100.0%	0	0.0%	3,079
CENTRAL POINT	32,335	91.3%	0	0.0%	1,685	4.8%	1,394	3.9%	35,414
CHILDQUIN	8,727	92.9%	0	0.0%	0	0.0%	668	7.1%	9,356
CLATSkanie	0	0.0%	0	0.0%	4,686	100.0%	0	0.0%	4,686
COBURG	7,986	98.2%	0	0.0%	0	0.0%	147	1.8%	8,133
COLUMBIA CITY	0	0.0%	6,281	98.0%	0	0.0%	127	2.0%	6,408
CONDON	6,288	100.0%	0	0.0%	0	0.0%	0	0.0%	6,288
COOS BAY	78,716	80.3%	0	0.0%	17,736	18.1%	1,529	1.6%	97,981
COQUILLE	40,378	98.3%	0	0.0%	0	0.0%	693	1.7%	41,071
CORNELIUS	16,867	54.3%	8,756	28.2%	0	0.0%	5,442	17.5%	31,065
CORVALLIS	228,420	96.5%	0	0.0%	1,796	0.8%	6,520	2.8%	236,736
COTTAGE GROVE	46,387	92.5%	0	0.0%	0	0.0%	3,754	7.5%	50,151
COVE	3,387	87.3%	0	0.0%	0	0.0%	492	12.7%	3,879
CRESWELL	11,116	97.8%	0	0.0%	0	0.0%	249	2.2%	11,355
DALLAS	48,113	95.4%	0	0.0%	0	0.0%	2,303	4.6%	50,416
DAYTON	8,720	87.8%	863	8.7%	44	0.4%	387	3.1%	9,934

TABLE II-B.3

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
DAYVILLE	2,936	81.6%	0	0.0%	0	0.0%	664	18.4%	3,600
DEER BAY	5,554	97.6%	0	0.0%	0	0.0%	137	2.4%	5,690
DETROIT	6,854	100.0%	0	0.0%	0	0.0%	0	0.0%	6,854
DONALD	3,415	96.5%	0	0.0%	0	0.0%	124	3.5%	3,539
DUFUR	6,352	100.0%	0	0.0%	0	0.0%	0	0.0%	6,352
DUNDEE	8,739	86.0%	359	3.5%	0	0.0%	1,065	10.5%	10,154
DUNES CITY	5,670	99.0%	0	0.0%	0	0.0%	58	1.0%	5,728
DURHAM	2,138	33.8%	3,793	60.1%	0	0.0%	384	6.1%	6,315
EAGLE POINT	19,209	55.4%	0	0.0%	0	0.0%	928	4.6%	20,138
ECHO	6,545	94.9%	0	0.0%	0	0.0%	352	5.1%	6,897
ELGIN	14,655	81.2%	0	0.0%	0	0.0%	3,395	18.8%	18,050
ENTERPRISE	14,961	99.3%	0	0.0%	0	0.0%	105	2.7%	15,066
ESTACADA	15,276	95.0%	0	0.0%	0	0.0%	805	5.0%	16,081
EUGENE	0	0.0%	0	0.0%	76,306	100.0%	0	0.0%	76,306
IRVINGVIEW	9,806	84.1%	1,561	13.4%	0	0.0%	299	2.6%	11,665
FALLS CITY	4,282	99.7%	0	0.0%	0	0.0%	11	0.3%	4,293
FLORENCE	26,740	93.2%	0	0.0%	0	0.0%	1,964	6.8%	28,704
FOREST GROVE	0	0.0%	0	0.0%	17,340	100.0%	0	0.0%	17,340
FOSSIL	3,600	100.0%	0	0.0%	0	0.0%	0	0.0%	3,600
GARIBALDI	6,756	100.0%	0	0.0%	0	0.0%	0	0.0%	6,756
GASTON	4,962	99.1%	0	0.0%	0	0.0%	45	0.9%	5,007
GATES	4,128	98.1%	0	0.0%	0	0.0%	79	1.9%	4,207
GEARHART	8,421	96.9%	0	0.0%	0	0.0%	270	3.1%	8,691
GERVAIS	6,763	96.9%	0	0.0%	0	0.0%	217	3.1%	6,980
GLADSTONE	156	0.4%	34,262	90.9%	222	0.6%	3,056	8.1%	37,697
GLENDALE	7,570	97.1%	0	0.0%	0	0.0%	224	2.9%	7,794
GOLD HILL	6,190	100.0%	0	0.0%	0	0.0%	0	0.0%	6,190
GRANTS PASS	120,655	92.2%	0	0.0%	0	0.0%	10,252	7.8%	130,907
GRASS VALLEY	2,094	100.0%	0	0.0%	0	0.0%	0	0.0%	2,094
GRESHAM	206,589	63.3%	57,284	17.6%	0	0.0%	62,289	19.1%	326,162
HAINES	3,287	94.4%	0	0.0%	0	0.0%	197	5.6%	3,484
HALFWAY	3,058	100.0%	0	0.0%	0	0.0%	NA	NA	3,058
HALSEY	7,471	99.8%	0	0.0%	0	0.0%	11	0.2%	7,482
HAMMOND	4,496	96.3%	0	0.0%	0	0.0%	172	3.7%	4,668
HARRISBURG	12,733	97.4%	0	0.0%	0	0.0%	345	2.6%	13,078
HELIX	1,675	97.7%	0	0.0%	0	0.0%	40	2.3%	1,715
HEPPNER	8,442	100.0%	0	0.0%	0	0.0%	0	0.0%	8,442
HERMISTON	49,393	98.9%	0	0.0%	0	0.0%	574	1.1%	49,967
HILLSBORO	206,321	61.0%	7,146	2.1%	0	0.0%	124,552	36.8%	338,019
HINES	8,805	81.2%	0	0.0%	0	0.0%	2,042	18.8%	10,847
HOOD RIVER	12,329	94.1%	390	3.0%	0	0.0%	389	3.0%	13,108
HUBBARD	14,215	85.6%	0	0.0%	0	0.0%	2,205	13.4%	16,420
HUNTINGTON	5,187	100.0%	0	0.0%	0	0.0%	NA	NA	5,187

TABLE II-B.3

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
IDANHA	2,967	100.0%	0	0.0%	0	0.0%	0	0.0%	2,967
IMBLER	2,619	91.4%	0	0.0%	0	0.0%	246	8.6%	2,865
INDEPENDENCE	22,033	91.6%	0	0.0%	0	0.0%	2,217	8.4%	24,249
IONE	2,130	100.0%	0	0.0%	0	0.0%	0	0.0%	2,130
ISLAND CITY	4,295	91.6%	0	0.0%	0	0.0%	394	8.4%	4,689
JACKSONVILLE	11,208	99.4%	0	0.0%	0	0.0%	73	2.6%	11,280
JEFFERSON	7,696	98.0%	0	0.0%	0	0.0%	158	2.0%	7,854
JOHN DAY	15,402	88.8%	0	0.0%	0	0.0%	1,943	11.2%	17,345
JOHNSON CITY	98	5.2%	72	3.9%	1,693	90.9%	0	0.0%	1,863
JORDAN VAL	1,721	100.0%	0	0.0%	0	0.0%	NA	NA	1,721
JOSEPH	3,192	100.0%	0	0.0%	0	0.0%	0	0.0%	3,192
JUNCTION CITY	24,654	98.2%	0	0.0%	0	0.0%	454	1.8%	25,108
KEIZER	35,333	76.1%	662	1.4%	0	0.0%	10,432	22.5%	46,427
KING CITY	1,805	78.5%	0	0.0%	309	13.4%	166	8.1%	2,380
KLAMATH FALLS	73,417	70.9%	6,792	6.6%	18,428	17.8%	4,985	4.8%	103,622
LAFAYETTE	11,258	91.1%	0	0.0%	22	0.2%	1,275	8.7%	12,555
LAGRANDE	62,074	85.2%	0	0.0%	0	0.0%	10,524	14.8%	72,598
LAKE OSWEGO	2,891	1.4%	181,636	87.2%	0	0.0%	23,831	11.4%	208,357
LAKESIDE	9,797	99.4%	0	0.0%	0	0.0%	59	0.6%	9,856
LAKEVIEW	24,191	93.0%	0	0.0%	0	0.0%	1,811	7.2%	26,002
LEBANON	73,384	96.1%	0	0.0%	0	0.0%	2,983	3.9%	76,367
LEXINGTON	1,524	100.0%	0	0.0%	0	0.0%	0	0.0%	1,524
LINCOLN CITY	105,390	99.0%	0	0.0%	0	0.0%	1,212	1.0%	106,602
LONE ROCK	153	100.0%	0	0.0%	0	0.0%	0	0.0%	153
LONG CREEK	4,237	81.2%	0	0.0%	0	0.0%	984	18.8%	5,221
LOSTINE	1,340	100.0%	0	0.0%	0	0.0%	0	0.0%	1,340
LOWELL	1,826	100.0%	0	0.0%	0	0.0%	0	0.0%	1,826
LYONS	5,232	93.7%	0	0.0%	0	0.0%	353	6.3%	5,585
MADRAS	14,994	99.1%	0	0.0%	0	0.0%	143	0.9%	15,137
MALIN	3,635	99.5%	0	0.0%	0	0.0%	18	0.5%	3,653
MANZANITA	7,764	100.0%	0	0.0%	0	0.0%	0	0.0%	7,764
MCMINNVILLE	0	0.0%	0	0.0%	20,014	100.0%	0	0.0%	20,014
MEDFORD	120,655	54.0%	0	0.0%	80,303	39.5%	14,420	6.5%	215,378
MERRILL	7,046	95.0%	0	0.0%	0	0.0%	370	5.0%	7,416
METOLUIS	2,554	99.2%	0	0.0%	0	0.0%	20	0.8%	2,574
MILL CITY	15,447	84.7%	0	0.0%	0	0.0%	2,790	15.3%	18,237
MILLERSBURG	11,459	94.9%	0	0.0%	0	0.0%	617	5.1%	12,076
MILTON FREEWATER	0	0.0%	0	0.0%	7,677	100.0%	0	0.0%	7,677
MILWAUKIE	197,495	82.4%	9,856	4.1%	0	0.0%	32,427	13.5%	239,778
MOLALLA	29,943	82.7%	2,197	6.1%	0	0.0%	4,050	11.2%	36,190
MONMOUTH	0	0.0%	0	0.0%	14,635	100.0%	0	0.0%	14,635
MONROE	3,470	99.2%	0	0.0%	0	0.0%	29	0.8%	3,499
MORO	3,434	100.0%	0	0.0%	0	0.0%	0	0.0%	3,434

TABLE II-B.3

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP TYPE

All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
MT. ANGEL	16,242	96.5%	0	0.0%	0	0.0%	583	3.5%	16,925
MT. VERNON	5,354	81.3%	0	0.0%	0	0.0%	1,230	18.7%	5,584
MYRTLE CREEK	17,842	96.6%	0	0.0%	0	0.0%	620	3.4%	18,463
MYRTLE POINT	30,232	99.8%	0	0.0%	0	0.0%	55	0.2%	30,286
NEHALEM	5,568	100.0%	0	0.0%	0	0.0%	0	0.0%	5,568
NEMBERG	47,356	59.6%	21,191	26.7%	214	0.3%	10,687	13.4%	79,459
NEWPORT	68,969	91.4%	0	0.0%	0	0.0%	6,461	8.6%	75,430
NORTH BEND	76,888	97.2%	0	0.0%	0	0.0%	2,175	2.8%	79,063
NORTH PLAINS	5,763	97.9%	0	0.0%	0	0.0%	124	2.1%	5,886
NORTH POWDER	4,352	81.6%	0	0.0%	0	0.0%	934	18.4%	5,286
NYSSA	14,766	100.0%	0	0.0%	0	0.0%	NA	NA	14,766
OAKLAND	5,394	96.2%	0	0.0%	0	0.0%	211	3.8%	5,606
OKRIDGE	29,936	97.6%	0	0.0%	0	0.0%	680	2.2%	30,616
ONTARIO	46,761	98.4%	767	1.6%	0	0.0%	NA	NA	47,527
TEBON CITY	112,893	85.6%	4,419	3.4%	1,211	0.9%	13,378	10.1%	131,893
PENDLETON	107,517	96.0%	563	0.5%	0	0.0%	3,899	3.5%	111,989
PHILOMATH	17,345	99.2%	0	0.0%	0	0.0%	145	0.8%	17,490
PHOENIX	11,591	97.6%	0	0.0%	0	0.0%	284	2.4%	11,875
PILOT ROCK	13,646	96.3%	0	0.0%	0	0.0%	529	3.7%	14,175
PORTLAND	1,551	0.1%	2,157,215	79.4%	322,453	11.9%	235,446	8.7%	2,716,674
POWERS	7,050	99.7%	0	0.0%	0	0.0%	20	0.3%	7,070
PRAIRIE CITY	4,610	81.3%	0	0.0%	0	0.0%	1,058	18.7%	5,668
PRESBOTT	2,026	95.6%	0	0.0%	0	0.0%	93	4.4%	2,019
PRINEVILLE	39,282	99.2%	0	0.0%	0	0.0%	327	0.8%	39,609
RAINIER	13,432	95.6%	230	1.6%	0	0.0%	364	2.7%	14,046
REDMOND*	51,228	95.9%	0	0.0%	0	0.0%	2,181	4.1%	53,409
REDSFORD	27,932	89.6%	165	0.5%	0	0.0%	3,067	9.6%	31,165
RICHLAND	1,394	100.0%	0	0.0%	0	0.0%	NA	NA	1,394
RIDDLE	6,210	96.4%	0	0.0%	0	0.0%	310	3.6%	6,520
ROCKAWAY	16,356	100.0%	0	0.0%	0	0.0%	0	0.0%	16,356
ROGLE RIVER	9,844	93.8%	0	0.0%	0	0.0%	652	6.2%	10,495
ROSEBURG	111,993	95.6%	0	0.0%	0	0.0%	5,165	4.4%	117,158
SALEM	432,991	68.6%	98,269	15.6%	336	0.1%	97,345	15.5%	628,941
SANDY	23,343	71.2%	7,172	21.9%	0	0.0%	2,251	6.9%	32,766
SCAPPOOSE	32,504	66.0%	0	0.0%	0	0.0%	5,295	14.2%	37,799
SEASIDE	6,506	100.0%	0	0.0%	0	0.0%	0	0.0%	6,506
SCOTT'S HILL	1,695	96.5%	0	0.0%	0	0.0%	62	3.5%	1,757
SEASIDE	46,944	98.6%	0	0.0%	115	0.2%	537	1.1%	47,595
SENECA	1,522	98.4%	0	0.0%	0	0.0%	25	1.6%	1,547
BY COVE	2,067	97.9%	0	0.0%	0	0.0%	44	2.1%	2,111
SHERIDAN	18,737	95.5%	359	1.8%	145	0.7%	363	2.2%	19,565
SHERWOOD	12,942	57.9%	4,881	25.5%	0	0.0%	1,242	6.5%	19,065
SILETZ	4,837	80.6%	0	0.0%	0	0.0%	1,150	19.2%	5,987

TABLE II-8.3

ANNUAL STREETLIGHT EXPENDITURE BY OWNERSHIP TYPE
All Cities

City	Utility Owned and Maintained		City Owned, Utility Maintained		City Owned and Maintained		Pole Charges		Total Dollars
	\$	%	\$	%	\$	%	\$	%	
SILVERTON	38,192	96.4%	0	0.0%	0	0.0%	1,421	3.6%	39,613
SISTERS	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPRINGFIELD	0	0.0%	99,349	100.0%	0	0.0%	0	0.0%	99,349
STANFIELD	11,654	94.6%	0	0.0%	0	0.0%	666	5.4%	12,320
STAYTON	28,106	91.4%	0	0.0%	0	0.0%	2,635	8.6%	30,741
ST. HELENS	63,692	92.5%	967	1.4%	424	0.6%	3,746	5.4%	68,829
ST. PAUL	4,885	99.4%	0	0.0%	0	0.0%	31	0.6%	4,916
SUBLIMITY	10,443	95.3%	0	0.0%	0	0.0%	509	4.7%	10,953
SUMMERVILLE	1,343	80.8%	0	0.0%	0	0.0%	322	19.2%	1,665
SUMPTER	2,170	80.8%	0	0.0%	0	0.0%	517	19.2%	2,687
SUTHERLIN	35,269	95.4%	0	0.0%	0	0.0%	1,712	4.6%	36,981
SWEET HOME	54,777	97.4%	0	0.0%	0	0.0%	1,439	2.6%	56,216
TALENT	12,101	95.6%	0	0.0%	0	0.0%	467	4.4%	12,568
THE DALLES	99,861	100.0%	0	0.0%	0	0.0%	0	0.0%	99,861
TIGARD	67,510	72.3%	12,819	13.7%	0	0.0%	12,990	13.9%	93,319
TILLAMOOK	27,540	100.0%	0	0.0%	0	0.0%	0	0.0%	27,540
TOLEDO	41,980	86.6%	0	0.0%	0	0.0%	6,510	13.4%	48,490
TUALATIN	23,717	25.2%	61,045	64.8%	0	0.0%	9,497	10.1%	94,259
TURNER	9,868	85.2%	0	0.0%	0	0.0%	1,721	14.8%	11,589
UMATILLA	20,340	93.9%	0	0.0%	0	0.0%	1,318	6.1%	21,658
UNION	7,802	88.3%	0	0.0%	0	0.0%	1,033	11.7%	8,835
UNITY	681	100.0%	0	0.0%	0	0.0%	NA	NA	681
VALE	13,288	95.9%	562	4.1%	0	0.0%	NA	NA	13,851
VENETA	7,960	100.0%	0	0.0%	0	0.0%	0	0.0%	7,960
WALDPORT	10,969	91.0%	0	0.0%	0	0.0%	1,090	9.2%	12,059
WALLOWA	5,640	100.0%	0	0.0%	0	0.0%	0	0.0%	5,640
WARRENTON	17,932	97.0%	0	0.0%	225	1.2%	325	1.8%	18,482
WASCO	335	92.7%	0	0.0%	0	0.0%	26	7.3%	361
WATERLOO	1,836	95.9%	0	0.0%	0	0.0%	79	4.1%	1,915
WEST LINN	119,215	82.1%	2,534	1.7%	0	0.0%	23,481	16.2%	145,231
WESTON	7,632	98.4%	0	0.0%	0	0.0%	125	1.6%	7,757
WHEELER	4,152	100.0%	0	0.0%	0	0.0%	0	0.0%	4,152
WILLAMINA	16,851	91.9%	757	4.1%	0	0.0%	725	4.0%	18,333
WILSONVILLE	29,661	43.9%	9,091	13.5%	228	0.3%	28,598	42.3%	67,579
WINSTON	13,800	81.9%	1,375	8.2%	1,359	8.1%	326	1.9%	16,860
WOOD VILLAGE	13,026	88.3%	0	0.0%	0	0.0%	1,734	11.7%	14,760
WOODBURN	74,676	84.7%	0	0.0%	0	0.0%	13,483	15.3%	88,159
YACHTS	5,249	96.8%	0	0.0%	0	0.0%	174	3.2%	5,423
YAMHILL	6,565	97.7%	0	0.0%	0	0.0%	155	2.3%	6,720
TOTAL	\$5,625,280	55.2%	\$2,833,420	27.9%	\$694,482	6.8%	\$1,026,526	10.1%	\$10,159,687

Note: NA indicates not available.

TABLE II-C.1

STREETLIGHT EXPENDITURE INDICATORS
Sorted In Alphabetical Order

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
ADAIR	560	\$3,653	3	\$6.52	\$14.44
ADAMS	245	2,500	4	10.21	6.41
ADRIAN	155	905	2	5.84	4.04
ALBANY	27,900	320,222	154	11.40	20.00
AMITY	1,040	10,791	10	10.38	10.43
ARLINGTON	450	7,396	13	16.44	5.71
ASHLAND	15,660	16,109	86	1.03	1.87
ASTORIA	9,820	93,746	54	9.55	17.22
ATHENA	955	12,594	8	13.19	15.51
AUMSVILLE	1,400	11,852	7	8.01	16.72
AURORA	525	7,619	5	14.51	15.04
BAKER	9,490	28,025	88	2.95	3.18
BANDON	2,330	19,485	25	8.36	7.65
BANKS	495	6,034	2	12.19	26.12
BARLOW	100	1,561	1	15.61	14.87
BAY CITY	1,100	10,380	14	9.44	7.18
BEAVERTON	33,950	360,343	132	10.61	27.25
BEND*	18,000	125,010	126	6.95	9.95
BONANZA	325	3,534	7	10.87	5.28
BROWNSVILLE	1,255	9,419	16	7.51	5.85
BURNS	2,830	6,675	27	2.36	2.45
BUTTE FALLS	450	3,241	3	7.20	10.45
CANBY	7,750	13,589	50	1.75	2.72
CANNON BEACH	1,250	13,841	14	11.07	9.75
CANYON CITY	610	8,768	9	14.37	10.18
CANYONVILLE	1,270	7,409	10	5.83	7.25
CARLTON	1,270	12,078	10	9.51	12.49
CAVE JUNCTION	1,150	3,079	12	2.68	2.59
CENTRAL POINT	6,740	35,414	37	5.25	9.57
CHILOGUIN	770	9,396	10	12.20	9.60
CLATSKANIE	1,690	4,686	10	2.77	4.70
COBURG	650	8,133	7	12.51	11.26
COLUMBIA CITY	750	6,400	10	8.54	6.52
CONDON	720	6,288	16	8.73	4.04
COOS BAY	14,695	97,981	78	6.67	12.63
COQUILLE	4,220	41,071	23	9.73	17.64
CORNELIUS	5,050	31,065	24	6.15	13.09
CORVALLIS	41,580	236,736	166	5.69	14.28
COTTAGE GROVE	7,090	50,151	41	7.07	12.19
COVE	530	3,879	7	7.32	5.90
CRESWELL	1,895	11,365	10	6.00	10.85
DALLAS	8,950	50,416	43	5.63	11.63
DAYTON	1,390	9,934	9	7.15	11.16
DAYVILLE	205	3,600	3	17.56	13.64
DEPOE BAY	825	5,690	13	6.90	4.43

TABLE II-C.1

STREETLIGHT EXPENDITURE INDICATORS
Sorted In Alphabetical Order

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
DETROIT	400	6,854	8	17.13	8.87
DONALD	275	3,538	3	12.87	12.73
DUFUR	550	6,352	7	11.55	8.64
DUNDEE	1,380	10,164	13	7.37	7.89
DUNES CITY	1,170	5,728	19	4.90	2.94
DURHAM	720	6,315	4	8.77	17.07
EAGLE POINT	3,010	20,138	12	6.69	16.63
ECHO	605	6,897	6	11.40	11.07
ELGIN	1,765	18,050	17	10.23	10.67
ENTERPRISE	2,070	15,066	19	7.28	8.06
ESTACADA	1,910	16,081	16	8.42	10.06
EUGENE	106,100	76,306	459	0.72	1.66
FAIRVIEW	1,850	11,665	12	6.31	10.10
FALLS CITY	780	4,293	11	5.50	3.80
FLORENCE	4,645	28,704	31	6.18	9.22
FOREST GROVE	11,750	17,340	40	1.48	4.30
FOSSIL	530	3,600	8	6.79	4.45
GARIBALDI	1,070	6,756	10	6.31	6.60
GASTON	560	5,007	4	8.94	12.68
GATES	500	4,207	5	8.41	7.75
GEARHART	1,000	8,691	14	8.69	6.08
GERVAIS	745	6,980	6	9.37	11.50
GLADSTONE	9,570	37,697	44	3.94	8.48
GLENDALE	720	7,794	6	10.83	13.44
GOLD HILL	910	6,190	10	6.80	5.93
GRANTS PASS	15,350	130,907	71	8.53	18.45
GRASS VALLEY	180	2,094	4	11.63	4.90
GRESHAM	37,400	326,162	146	8.70	22.42
HAINES	395	3,484	7	8.82	4.96
HALFWAY	410	3,058	3	7.46	9.44
HALSEY	680	7,482	8	11.00	8.81
HAMMOND	525	4,668	8	8.89	5.78
HARRISBURG	1,840	13,078	16	7.11	8.16
HELIX	155	1,715	2	11.06	8.28
HEPPNER	1,385	8,442	14	6.10	6.19
HERMISTON	9,890	49,967	63	5.05	7.99
HILLSBORD	30,270	338,019	113	11.17	29.93
HINES	1,470	10,847	11	7.38	9.45
HOOD RIVER	4,490	13,108	31	2.92	4.23
HUBBARD	1,760	16,420	11	9.33	14.44
HUNTINGTON	555	5,187	8	9.35	6.21
IDANHA	345	2,967	6	8.60	5.00
IMBLER	290	2,865	4	9.88	7.40
INDEPENDENCE	4,145	24,049	31	5.80	7.79
IONE	345	2,130	5	6.17	4.45

TABLE II-C.1

STREETLIGHT EXPENDITURE INDICATORS
Sorted In Alphabetical Order

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
ISLAND CITY	730	4,689	6	6.42	7.92
JACKSONVILLE	1,990	11,280	15	5.67	7.39
JEFFERSON	1,755	7,855	14	4.48	5.73
JOHN DAY	1,985	17,345	15	8.74	11.82
JOHNSON CITY	390	1,863	1	4.78	13.60
JORDAN VAL	445	1,721	4	3.87	3.95
JOSEPH	1,170	3,192	11	2.73	2.95
JUNCTION CITY	3,050	25,100	21	8.23	12.06
KEIZER	19,800	46,428	67	2.34	6.89
KING CITY	1,830	2,299	8	1.26	3.02
KLAMATH FALLS	17,350	103,623	104	5.97	9.98
LAFAYETTE	1,240	12,359	7	9.97	17.38
LAGRANDE	12,230	72,898	71	5.96	10.27
LAKE OSWEGO	24,200	208,357	94	8.61	22.07
LAKESIDE	1,420	9,856	13	6.94	7.43
LAKEVIEW	2,755	26,002	17	9.44	15.75
LEBANON	10,270	76,367	75	7.44	10.15
LEXINGTON	240	1,524	5	6.35	3.26
LINCOLN CITY	6,060	106,402	57	17.56	18.71
LONE ROCK	25	153	2	6.12	0.65
LONG CREEK	245	5,221	4	21.31	12.77
LOSTINE	240	1,340	4	5.58	3.59
LOWELL	705	1,826	6	2.59	2.92
LYONS	870	5,585	10	6.42	5.50
MADRAS	2,320	15,138	19	6.52	7.90
MALIN	620	3,653	5	5.89	7.49
MANZANITA	495	7,764	14	15.68	5.43
MCMINNVILLE	15,175	20,014	79	1.32	2.55
MEDFORD	41,975	223,378	183	5.32	12.19
MERRILL	845	7,415	6	8.78	12.83
METOLIUS	455	2,584	7	5.68	3.73
MILL CITY	1,520	18,237	13	12.00	14.29
MILLERSBURG	550	12,076	9	21.96	13.14
MILTON FREEWATER	5,850	7,677	27	1.31	2.83
MILWAUKIE	17,375	239,779	76	13.80	31.45
MOLALLA	3,100	36,190	21	11.67	17.16
MONMOUTH	5,390	14,635	23	2.72	6.23
MONROE	460	3,499	6	7.61	6.36
MORO	320	3,434	7	10.73	5.26
MT. ANGEL	2,930	16,825	10	5.74	17.10
MT. VERNON	620	6,584	3	10.62	19.71
MYRTLE CREEK	3,200	18,463	16	5.77	11.45
MYRTLE POINT	2,700	30,298	17	11.22	18.03
NEHALEM	245	5,568	5	22.73	11.82
NEWBERG	11,440	79,459	56	6.95	14.28

TABLE II-C.1

STREETLIGHT EXPENDITURE INDICATORS
Sorted In Alphabetical Order

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
NEWPORT	8,350	75,430	59	9.03	12.73
NORTH BEND	9,135	78,263	59	8.57	13.30
NORTH PLAINS	930	5,886	8	6.33	7.21
NORTH POWDER	455	5,346	5	11.75	10.74
NYSSA	2,890	14,766	19	5.11	7.69
OAKLAND	850	5,606	8	6.59	6.64
OAKRIDGE	3,580	30,616	24	8.55	12.81
ONTARIO	9,518	47,527	56	5.00	8.46
OREGON CITY	14,500	131,893	76	9.10	17.32
PENDLETON	14,400	111,969	84	7.78	13.40
PHILOMATH	2,640	17,490	13	6.63	13.21
PHOENIX	2,510	11,875	9	4.73	12.84
PILOT ROCK	1,630	14,175	3	8.70	49.05
PORTLAND	379,000	2,716,674	1,800	7.17	15.89
POWERS	775	7,069	7	9.12	9.83
PRAIRIE CITY	1,125	5,668	8	5.04	7.08
PRESCOTT	70	2,099	2	29.99	11.66
PRINEVILLE	5,410	39,609	36	7.32	11.02
RAINIER	1,560	14,046	12	9.00	11.95
REDMOND*	6,740	53,489	67	7.92	8.03
REEDSPORT	4,875	31,165	21	6.39	14.88
RICHLAND	190	1,394	3	7.34	5.32
RIDDLE	1,115	8,520	11	7.64	7.75
ROCKAWAY	1,185	16,356	24	13.80	6.83
ROGUE RIVER	1,440	10,496	6	7.29	16.93
ROSEBURG	16,025	117,158	97	7.31	12.11
SALEM	94,600	628,941	463	6.65	13.58
SANDY	3,530	32,766	30	9.28	11.01
SCAPPOOSE	3,410	37,799	19	11.08	19.64
SCIO	590	6,506	5	11.03	12.71
SCOTTS MILL	255	1,757	7	6.89	2.52
SEASIDE	5,300	47,595	31	8.98	15.23
SENECA	265	1,546	3	5.84	5.54
SHADY COVE	1,190	2,111	14	1.77	1.54
SHERIDAN	2,420	19,625	16	8.11	12.18
SHERWOOD	2,685	19,065	18	7.10	10.57
SILETZ	1,025	5,987	9	5.84	6.90
SILVERTON	5,290	39,613	25	7.49	15.64
SISTERS	740	NA	12	NA	NA
SPRINGFIELD	40,690	99,349	180	2.44	5.51
STANFIELD	1,660	12,320	12	7.42	10.20
STAYTON	4,815	30,741	23	6.38	13.24
ST. HELENS	7,260	68,829	33	9.48	20.86
ST. PAUL	330	4,916	3	14.90	18.07
SUBLIMITY	1,430	10,953	8	7.66	13.71

TABLE II-C.1

STREETLIGHT EXPENDITURE INDICATORS
Sorted In Alphabetical Order

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
SUMMERSVILLE	155	1,663	2	10.73	8.23
SUMPTER	150	2,686	10	17.91	2.82
SUTHERLIN	4,320	36,981	37	8.56	10.04
SWEET HOME	6,800	56,216	45	8.27	12.48
TALENT	2,660	10,568	9	3.97	11.38
THE DALLES	10,900	99,861	69	9.16	14.42
TIGARD	20,250	93,319	88	4.61	10.58
TILLAMOOK	3,925	27,540	24	7.02	11.59
TOLEDO	3,275	48,490	23	14.81	21.19
TUALATIN	10,350	94,259	43	9.11	21.75
TURNER	1,210	11,589	13	9.58	9.07
UMATILLA	2,980	21,658	29	7.27	7.51
UNION	2,120	8,835	30	4.17	2.95
UNITY	110	681	NA	6.19	NA
VALE	1,670	13,851	18	8.29	7.57
VENETA	2,335	7,968	18	3.41	4.43
WALDPORT	1,590	12,059	16	7.58	7.68
WALLOWA	810	5,640	8	6.96	6.80
WARRENTON	2,475	18,481	43	7.47	4.31
WASCO	445	361	7	0.81	0.49
WATERLOO	210	1,915	4	9.12	5.27
WEST LINN	12,950	145,231	86	11.21	16.96
WESTON	730	7,758	11	10.63	6.78
WHEELER	350	4,152	6	11.86	6.43
WILLAMINA	1,785	18,333	12	10.27	15.66
WILSONVILLE	3,700	67,579	106	18.26	6.35
WINSTON	3,380	16,860	13	4.99	12.81
WOOD VILLAGE	2,595	14,760	7	5.69	21.36
WOODBURN	11,700	88,159	49	7.53	18.00
YACHTS	560	5,423	10	9.68	5.61
YAMHILL	650	6,720	7	10.34	10.17
TOTAL	1,520,805	\$10,159,687	8,252	-	-

Note: NA indicates not available.

TABLE II-C.2

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Population

City	Population	Total Dollars	Total Lights	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
PORTLAND	379,000	\$2,716,674	34,336	1,800	\$7.17	\$15.09
EUGENE	106,100	76,306	5,243	459	0.72	1.66
SALEM	94,600	628,941	4,585	463	6.65	13.58
MEDFORD	41,975	223,378	2,975	183	5.32	12.19
CORVALLIS	41,580	236,736	2,098	166	5.69	14.28
SPRINGFIELD	40,690	99,349	2,251	180	2.44	5.51
GRESHAM	37,480	326,162	2,821	146	8.70	22.42
BEAVERTON	33,950	360,343	2,831	132	10.61	27.25
HILLSBORO	30,270	338,019	2,069	113	11.17	29.93
ALBANY	27,900	320,222	3,881	154	11.48	20.80
LAKE OSWEGO	24,200	200,357	2,321	94	8.61	22.07
TIGARD	20,250	93,319	760	88	4.61	10.58
KEIZER	19,800	46,428	407	67	2.34	6.89
BEND*	18,000	125,010	1,073	126	6.95	9.95
MILWAUKIE	17,375	239,779	1,902	76	13.80	31.45
KLAMATH FALLS	17,350	103,623	1,136	104	5.97	9.98
ROSEBURG	16,025	117,158	1,038	97	7.31	12.11
ASHLAND	15,660	16,109	1,386	86	1.03	1.87
GRANTS PASS	15,350	130,987	1,083	71	8.53	18.45
MCMINNVILLE	15,175	20,014	906	79	1.32	2.55
COOS BAY	14,695	97,981	902	78	6.67	12.63
OREGON CITY	14,500	131,893	1,107	76	9.10	17.32
PENDLETON	14,400	111,969	1,002	84	7.78	13.40
WEST LINN	12,950	145,231	1,250	86	11.21	16.96
LAGRANDE	12,230	72,898	556	71	5.96	10.27
FOREST GROVE	11,750	17,340	1,226	40	1.48	4.30
WOODBURN	11,700	88,159	730	49	7.53	18.00
NEWBERG	11,440	79,459	747	56	6.95	14.28
THE DALLES	10,900	99,861	1,416	69	9.16	14.42
TUALATIN	10,350	94,259	994	43	9.11	21.75
LEBANON	10,270	76,367	596	75	7.44	10.15
HERMISTON	9,890	49,967	516	63	5.05	7.99
ASTORIA	9,820	93,746	698	54	9.55	17.22
GLADSTONE	9,570	37,697	492	44	3.94	8.48
ONTARIO	9,510	47,527	584	56	5.00	8.46
BAKER	9,490	28,025	718	88	2.95	3.18
NORTH BEND	9,135	78,263	732	59	8.57	13.30
DALLAS	8,950	50,416	469	43	5.63	11.63
NEWPORT	8,350	75,430	734	59	9.03	12.73
CANBY	7,750	13,589	551	50	1.75	2.72
ST. HELENS	7,260	68,829	566	33	9.48	20.86
COTTAGE GROVE	7,090	50,151	433	41	7.07	12.19
SWEET HOME	6,800	56,216	471	45	8.27	12.48
CENTRAL POINT	6,740	35,414	363	37	5.25	9.57
REDMOND*	6,740	53,409	443	67	7.92	8.03

TABLE II-C.2

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Population

City	Population	Total Dollars	Total Lights	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
LINCOLN CITY	6,060	106,402	894	57	17.56	18.71
MILTON FREEWATER	5,850	7,677	463	27	1.31	2.83
PRINEVILLE	5,410	39,609	418	36	7.32	11.02
MONMOUTH	5,390	14,635	285	23	2.72	6.23
SEASIDE	5,300	47,595	504	31	8.98	15.23
SILVERTON	5,290	39,613	329	25	7.49	15.64
CORNELIUS	5,050	31,065	274	24	6.15	13.09
REEDSPORT	4,875	31,165	306	21	6.39	14.88
STAYTON	4,815	30,741	281	23	6.38	13.24
FLORENCE	4,645	28,704	289	31	6.18	9.22
HOOD RIVER	4,490	13,108	143	31	2.92	4.23
SUTHERLIN	4,320	36,981	346	37	8.56	10.04
COQUILLE	4,220	41,071	396	23	9.73	17.64
INDEPENDENCE	4,145	24,049	226	31	5.80	7.79
TILLAMOOK	3,925	27,540	273	24	7.02	11.59
WILSONVILLE	3,700	67,579	460	106	18.26	6.35
OKRIDGE	3,580	30,616	295	24	8.55	12.81
SANDY	3,530	32,766	292	30	9.28	11.01
SCAPOOSE	3,410	37,799	309	19	11.08	19.64
WINSTON	3,380	16,860	195	13	4.99	12.81
TOLEDO	3,275	48,490	453	23	14.81	21.19
MYRTLE CREEK	3,200	18,463	210	16	5.77	11.45
MOLALLA	3,100	36,190	285	21	11.67	17.16
JUNCTION CITY	3,050	25,108	248	21	8.23	12.06
EAGLE POINT	3,010	20,138	210	12	6.69	16.63
UMATILLA	2,980	21,658	203	29	7.27	7.51
MT. ANGEL	2,930	16,825	146	10	5.74	17.10
NYSSA	2,890	14,766	197	19	5.11	7.69
BURNS	2,830	6,675	45	27	2.36	2.45
LAKEVIEW	2,755	26,002	246	17	9.44	15.75
MYRTLE POINT	2,700	30,298	303	17	11.22	18.03
SHERWOOD	2,685	19,065	192	18	7.10	10.57
TALENT	2,660	10,568	105	9	3.97	11.30
PHILOMATH	2,640	17,490	168	13	6.63	13.21
WOOD VILLAGE	2,595	14,760	118	7	5.69	21.36
PHOENIX	2,510	11,875	126	9	4.73	12.84
WARRENTON	2,475	10,481	205	43	7.47	4.31
SHERIDAN	2,420	19,625	181	16	8.11	12.18
VENETA	2,335	7,960	94	18	3.41	4.43
BANDON	2,330	19,485	614	25	8.36	7.65
MADRAS	2,320	15,138	134	19	6.52	7.90
UNION	2,120	8,835	69	30	4.17	2.95
ENTERPRISE	2,070	15,066	154	19	7.28	8.06
JACKSONVILLE	1,990	11,200	134	15	5.67	7.39
JOHN DAY	1,985	17,345	130	15	8.74	11.82

TABLE II-C.2

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Population

City	Population	Total Dollars	Total Lights	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
ESTACADA	1,910	16,081	133	16	8.42	10.06
CRESWELL	1,895	11,365	121	10	6.00	10.85
FAIRVIEW	1,850	11,665	110	12	6.31	10.10
HARRISBURG	1,840	13,078	113	16	7.11	8.16
KING CITY	1,830	2,299	19	8	1.26	3.02
WILLAMINA	1,785	18,333	161	12	10.27	15.66
ELGIN	1,765	18,050	138	17	10.23	10.67
HUBBARD	1,760	16,420	140	11	9.33	14.44
JEFFERSON	1,755	7,855	93	14	4.48	5.73
CLATSKANIE	1,690	4,686	161	10	2.77	4.70
VALE	1,670	13,851	192	18	8.29	7.57
STANFIELD	1,660	12,320	117	12	7.42	10.20
PILOT ROCK	1,630	14,175	139	3	8.70	49.05
WALDPORT	1,590	12,059	119	16	7.58	7.68
RAINIER	1,560	14,046	143	12	9.00	11.95
MILL CITY	1,520	18,237	153	13	12.00	14.29
AUMSVILLE	1,400	11,852	116	7	8.01	15.72
HINES	1,470	10,847	83	11	7.38	9.45
ROGUE RIVER	1,440	10,496	112	6	7.29	16.93
SUBLIMITY	1,430	10,953	123	8	7.66	13.71
LAKESIDE	1,420	9,856	100	13	6.94	7.43
DAYTON	1,390	9,934	100	9	7.15	11.16
HEPPNER	1,385	8,442	162	14	6.10	6.19
DUNDEE	1,380	10,164	501	13	7.37	7.89
CARLTON	1,270	12,078	113	10	9.51	12.49
CANYONVILLE	1,270	7,409	82	10	5.83	7.25
BROWNSVILLE	1,255	9,419	106	16	7.51	5.85
CANNON BEACH	1,250	13,841	154	14	11.07	9.75
LAFAYETTE	1,240	12,359	100	7	9.97	17.38
TURNER	1,210	11,589	88	13	9.58	9.07
SHADY COVE	1,190	2,111	23	14	1.77	1.54
ROCKAWAY	1,185	16,356	167	24	13.80	6.83
JOSEPH	1,170	3,192	34	11	2.73	2.95
DUNES CITY	1,170	5,728	63	19	4.90	2.94
CAVE JUNCTION	1,150	3,079	68	12	2.68	2.59
PRAIRIE CITY	1,125	5,668	43	8	5.04	7.08
RIDDLE	1,115	8,520	89	11	7.64	7.75
BAY CITY	1,100	10,380	107	14	9.44	7.18
GARIBALDI	1,070	6,756	69	10	6.31	6.60
AMITY	1,040	10,791	85	10	10.38	10.43
SILETZ	1,025	5,987	53	9	5.84	6.90
GEARHART	1,000	8,691	106	14	8.69	6.08
ATHENA	955	12,594	131	8	13.19	15.51
NORTH PLAINS	930	5,886	59	8	6.33	7.21
GOLD HILL	910	6,190	61	10	6.80	5.93

TABLE II-C.2

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Population

City	Population	Total Dollars	Total Lights	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
LYONS	870	5,585	38	10	6.42	5.50
OAKLAND	850	5,606	53	8	6.59	6.64
MERRILL	845	7,415	72	6	8.78	12.83
DEPOE BAY	825	5,690	60	13	6.90	4.43
WALLOWA	810	5,640	60	8	6.96	6.00
FALLS CITY	780	4,293	45	11	5.50	3.80
POWERS	775	7,069	65	7	9.12	9.83
CHILOQUIN	770	9,396	96	10	12.20	9.60
COLUMBIA CITY	750	6,408	88	10	8.54	6.52
GERVAIS	745	6,980	73	6	9.37	11.50
SISTERS	740	NA	35	12	NA	NA
WESTON	730	7,758	81	11	10.63	6.78
ISLAND CITY	730	4,689	38	6	6.42	7.92
CONDON	720	6,288	130	16	8.73	4.04
DURHAM	720	6,315	73	4	8.77	17.07
GLENDALE	720	7,794	102	6	10.83	13.44
LOWELL	705	1,826	23	6	2.59	2.92
HALSEY	680	7,482	77	8	11.00	8.81
YAMHILL	650	6,720	63	7	10.34	10.17
COBURG	650	8,133	63	7	12.51	11.26
MALIN	620	3,653	44	5	5.89	7.49
MT. VERNON	620	6,584	50	3	10.62	19.71
CANYON CITY	610	8,768	67	9	14.37	10.18
ECHO	605	6,897	73	6	11.40	11.07
SCIO	590	6,506	63	5	11.03	12.71
YACHTS	560	5,423	58	10	9.68	5.61
ADAIR	560	3,653	40	3	6.52	14.44
GASTON	560	5,007	44	4	8.94	12.68
HUNTINGTON	555	5,187	69	8	9.35	6.21
DUFUR	550	6,352	104	7	11.55	8.64
MILLERSBURG	550	12,076	89	9	21.96	13.14
COVE	530	3,879	31	7	7.32	5.90
FOSSIL	530	3,600	75	8	6.79	4.45
AURORA	525	7,619	67	5	14.51	15.64
HAMMOND	525	4,668	62	8	8.89	5.78
GATES	500	4,207	39	5	8.41	7.75
MANZANITA	495	7,764	79	14	15.68	5.43
BANKS	495	6,034	46	2	12.19	26.12
MONROE	460	3,499	36	6	7.61	6.36
METOLIUS	455	2,584	32	7	5.68	3.73
NORTH POWDER	455	5,346	40	5	11.75	10.74
BUTTE FALLS	450	3,241	38	3	7.20	10.45
ARLINGTON	450	7,396	84	13	16.44	5.71
WASCO	445	361	4	7	0.81	0.49
JORDAN VAL	445	1,721	24	4	3.87	3.95

TABLE II-C.2

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Population

City	Population	Total Dollars	Total Lights	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
HALFWAY	410	3,058	39	3	7.46	9.44
DETROIT	400	6,854	72	8	17.13	8.87
HAINES	395	3,484	38	7	8.82	4.96
JOHNSON CITY	390	1,863	36	1	4.78	13.60
WHEELER	350	4,152	42	6	11.86	6.43
IONE	345	2,130	44	5	6.17	4.45
IDANHA	345	2,967	30	6	8.60	5.00
ST. PAUL	330	4,916	43	3	14.90	18.07
BONANZA	325	3,534	42	7	10.87	5.28
MORO	320	3,434	41	7	10.73	5.26
IMBLER	290	2,865	22	4	9.88	7.40
DONALD	275	3,538	35	3	12.87	12.73
SENECA	265	1,546	13	3	5.84	5.54
SCOTTS MILL	255	1,757	23	7	6.89	2.52
ADAMS	245	2,500	28	4	10.21	6.41
LONG CREEK	245	5,221	40	4	21.31	12.77
NEHALEM	245	5,568	55	5	22.73	11.82
LEXINGTON	240	1,524	31	5	6.35	3.26
LOSTINE	240	1,340	16	4	5.58	3.59
WATERLOO	210	1,915	18	4	9.12	5.27
DAYVILLE	205	3,600	27	3	17.56	13.64
RICHLAND	190	1,394	19	3	7.34	5.32
GRASS VALLEY	180	2,094	25	4	11.63	4.90
HELIX	155	1,715	20	2	11.06	8.28
ADRIAN	155	905	13	2	5.84	4.04
SUMMERVILLE	155	1,663	13	2	10.73	8.23
SUMPTER	150	2,686	21	10	17.91	2.82
UNITY	110	681	8	NA	6.19	NA
BARLOW	100	1,561	16	1	15.61	14.87
PRESCOTT	70	2,099	20	2	29.99	11.66
LONE ROCK	25	153	3	2	6.12	0.65
TOTAL	1,520,805	\$10,159,607	113,298	8,252	-	-

Note: NA indicates not available.

TABLE II-C.3

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Dollars Per Capita

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
PRESCOTT	70	\$2,099	2	\$29.99	\$11.66
NEHALEM	245	5,568	5	22.73	11.82
MILLERSBURG	550	12,076	9	21.96	13.14
LONG CREEK	245	5,221	4	21.31	12.77
WILSONVILLE	3,700	67,579	106	18.26	6.35
SUMPTER	150	2,686	10	17.91	2.62
DAYVILLE	205	3,600	3	17.56	13.64
LINCOLN CITY	6,060	106,402	57	17.56	18.71
DETROIT	400	6,854	8	17.13	8.87
ARLINGTON	450	7,396	13	16.44	5.71
MANZANITA	495	7,764	14	15.68	5.43
BARLOW	100	1,561	1	15.61	14.87
ST. PAUL	330	4,916	3	14.90	18.07
TOLEDO	3,275	48,490	23	14.81	21.19
AURORA	525	7,619	5	14.51	15.84
CANYON CITY	610	8,768	9	14.37	10.18
ROCKAWAY	1,185	16,356	24	13.80	6.83
MILWAUKIE	17,375	239,779	76	13.80	31.45
ATHENA	955	12,594	8	13.19	15.51
DONALD	275	3,538	3	12.87	12.73
COBURG	650	8,133	7	12.51	11.26
CHILOGUIN	770	9,396	10	12.20	9.60
BANKS	495	6,034	2	12.19	26.12
MILL CITY	1,520	18,237	13	12.00	14.29
WHEELER	350	4,152	6	11.86	6.43
NORTH POWDER	455	5,346	5	11.75	10.74
MOLALLA	3,100	36,190	21	11.67	17.16
GRASS VALLEY	180	2,094	4	11.63	4.90
DUFUR	550	6,352	7	11.55	8.64
ALBANY	27,900	320,222	154	11.48	20.80
ECHO	605	6,897	6	11.40	11.07
MYRTLE POINT	2,700	30,298	17	11.22	18.83
WEST LINN	12,950	145,231	86	11.21	16.96
HILLSBORO	30,270	330,019	113	11.17	29.93
SCAPPOOSE	3,410	37,799	19	11.08	19.64
CANNON BEACH	1,250	13,841	14	11.07	9.75
HELIX	155	1,715	2	11.06	8.28
SCIO	590	6,506	5	11.03	12.71
HALSEY	680	7,482	8	11.00	8.81
BONANZA	325	3,534	7	10.87	5.28
GLENDALE	720	7,794	6	10.83	13.44
MORO	320	3,434	7	10.73	5.26
SUMMERVILLE	155	1,663	2	10.73	8.23
WESTON	730	7,758	11	10.63	6.78
MT. VERNON	620	6,584	3	10.62	19.71

TABLE II-C.3

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Dollars Per Capita

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
BEAVERTON	33,950	360,343	132	10.61	27.25
AMITY	1,040	10,791	10	10.38	10.43
YAMHILL	650	6,720	7	10.34	10.17
WILLAMINA	1,785	18,333	12	10.27	15.66
ELGIN	1,765	18,050	17	10.23	10.67
ADAMS	245	2,500	4	10.21	6.41
LAFAYETTE	1,240	12,359	7	9.97	17.38
IMBLER	290	2,865	4	9.88	7.40
COQUILLE	4,220	41,071	23	9.73	17.64
YACHATS	560	5,423	10	9.68	5.61
TURNER	1,210	11,589	13	9.58	9.07
ASTORIA	9,820	93,746	54	9.55	17.22
CARLTON	1,270	12,078	10	9.51	12.49
ST. HELENS	7,260	68,829	33	9.48	20.86
LAKEVIEW	2,755	26,002	17	9.44	15.75
BAY CITY	1,100	10,380	14	9.44	7.18
GERVAIS	745	6,980	6	9.37	11.50
HUNTINGTON	555	5,187	8	9.35	6.21
HUBBARD	1,760	16,420	11	9.33	14.44
SANDY	3,530	32,766	30	9.28	11.01
THE DALLES	10,900	99,861	69	9.16	14.42
POWERS	775	7,069	7	9.12	9.83
WATERLOO	210	1,915	4	9.12	5.27
TUALATIN	10,350	94,259	43	9.11	21.75
OREGON CITY	14,500	131,893	76	9.10	17.32
NEWPORT	8,350	75,430	59	9.03	12.73
RAINIER	1,560	14,046	12	9.00	11.95
SEASIDE	5,300	47,595	31	8.98	15.23
GASTON	560	5,007	4	8.94	12.68
HAMMOND	525	4,668	8	8.89	5.78
HAINES	395	3,484	7	8.82	4.96
MERRILL	845	7,415	6	8.78	12.83
DURHAM	720	6,315	4	8.77	17.07
JOHN DAY	1,985	17,345	15	8.74	11.82
CONDON	720	6,288	16	8.73	4.04
GRESHAM	37,480	326,162	146	8.70	22.42
PILOT ROCK	1,630	14,175	3	8.70	49.05
GEARHART	1,000	8,691	14	8.69	6.08
LAKE OSWEGO	24,200	208,357	94	8.61	22.07
IDANHA	345	2,967	6	8.60	5.00
NORTH BEND	9,135	78,263	59	8.57	13.30
SUTHERLIN	4,320	36,981	37	8.56	10.04
OAKRIDGE	3,580	30,616	24	8.55	12.81
COLUMBIA CITY	750	6,408	10	8.54	6.52
GRANTS PASS	15,350	130,907	71	8.53	18.45

TABLE II-C.3

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Dollars Per Capita

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
ESTACADA	1,910	16,081	16	8.42	10.06
GATES	500	4,207	5	8.41	7.75
BANDON	2,330	19,485	25	8.36	7.65
VALE	1,670	13,851	18	8.29	7.57
SWEET HOME	6,800	56,216	45	8.27	12.48
JUNCTION CITY	3,050	25,108	21	8.23	12.06
SHERIDAN	2,420	19,625	16	8.11	12.18
AUMSVILLE	1,480	11,852	7	8.01	16.72
REDMOND*	6,740	53,409	67	7.92	8.03
PENDLETON	14,400	111,969	84	7.78	13.40
SUBLIMITY	1,430	10,953	8	7.66	13.71
RIDDLE	1,115	8,520	11	7.64	7.75
MONROE	460	3,499	6	7.61	6.36
WALDPOR	1,590	12,059	16	7.58	7.68
WOODBURN	11,700	88,159	49	7.53	18.00
BROWNSVILLE	1,255	9,419	16	7.51	5.85
SILVERTON	5,290	39,613	25	7.49	15.64
WARRENTON	2,475	18,481	43	7.47	4.31
HALFWAY	410	3,058	3	7.46	9.44
LEBANON	10,270	76,367	75	7.44	10.15
STANFIELD	1,660	12,320	12	7.42	10.20
HINES	1,470	10,847	11	7.38	9.45
DUNDEE	1,380	10,164	13	7.37	7.89
RICHLAND	190	1,394	3	7.34	5.32
PRINEVILLE	5,410	39,609	36	7.32	11.02
COVE	530	3,879	7	7.32	5.90
ROSEBURG	16,025	117,158	97	7.31	12.11
ROGUE RIVER	1,440	10,496	6	7.29	16.93
ENTERPRISE	2,070	15,066	19	7.28	8.06
UMATILLA	2,980	21,658	29	7.27	7.51
BUTTE FALLS	450	3,241	3	7.20	10.45
PORTLAND	379,000	2,716,674	1,800	7.17	15.09
DAYTON	1,390	9,934	9	7.15	11.16
HARRISBURG	1,840	13,078	16	7.11	8.16
SHERWOOD	2,685	19,065	18	7.10	10.57
COTTAGE GROVE	7,090	50,151	41	7.07	12.19
TILLAMOOK	3,925	27,540	24	7.02	11.59
WALLOWA	810	5,640	8	6.96	6.80
NEWBERG	11,440	79,459	56	6.95	14.28
BEND*	18,000	125,010	126	6.95	9.95
LAKE SIDE	1,420	9,856	13	6.94	7.43
DEPOE BAY	825	5,690	13	6.90	4.43
SCOTTS MILL	255	1,757	7	6.89	2.52
GOLD HILL	910	6,190	10	6.80	5.93
FOSSIL	530	3,600	8	6.79	4.45

TABLE II-C.3

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Dollars Per Capita

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
EAGLE POINT	3,010	20,138	12	6.69	16.63
COOS BAY	14,695	97,981	78	6.67	12.63
SALEM	94,600	628,941	463	6.65	13.58
PHILOMATH	2,640	17,490	13	6.63	13.21
OAKLAND	850	5,606	8	6.59	6.64
MADRAS	2,320	15,138	19	6.52	7.98
ADAIR	560	3,653	3	6.52	14.44
ISLAND CITY	730	4,689	6	6.42	7.92
LYONS	870	5,585	10	6.42	5.50
REEDSPORT	4,875	31,165	21	6.39	14.88
STAYTON	4,815	30,741	23	6.38	13.24
LEXINGTON	240	1,524	5	6.35	3.26
NORTH PLAINS	930	5,886	8	6.33	7.21
GARIBALDI	1,070	6,756	10	6.31	6.60
FAIRVIEW	1,850	11,665	12	6.31	10.10
UNITY	110	681	NA	6.19	NA
FLORENCE	4,645	28,704	31	6.18	9.22
IONE	345	2,130	5	6.17	4.45
CORNELIUS	5,050	31,065	24	6.15	13.09
LONE ROCK	25	153	2	6.12	0.65
HEPPNER	1,385	8,442	14	6.10	6.19
CRESWELL	1,895	11,365	10	6.00	10.85
KLAMATH FALLS	17,350	103,623	104	5.97	3.98
LAGRANDE	12,230	72,898	71	5.96	10.27
MALIN	620	3,653	5	5.89	7.49
SILETZ	1,025	5,987	9	5.84	6.90
ADRIAN	155	905	2	5.84	4.04
SENECA	265	1,546	3	5.84	5.54
CANYONVILLE	1,270	7,409	10	5.83	7.25
INDEPENDENCE	4,145	24,049	31	5.80	7.79
MYRTLE CREEK	3,200	18,463	16	5.77	11.45
MT. ANGEL	2,930	16,825	10	5.74	17.10
CORVALLIS	41,580	236,736	166	5.69	14.28
WOOD VILLAGE	2,595	14,760	7	5.69	21.36
METOLIUS	455	2,584	7	5.69	3.73
JACKSONVILLE	1,990	11,280	15	5.67	7.39
DALLAS	8,950	50,416	43	5.63	11.63
LOSTINE	240	1,340	4	5.58	3.59
FALLS CITY	780	4,293	11	5.50	3.80
MEDFORD	41,975	223,378	183	5.32	12.19
CENTRAL POINT	6,740	35,414	37	5.25	9.57
NYSSA	2,890	14,766	19	5.11	7.69
HERMISTON	9,890	49,967	63	5.05	7.99
PRAIRIE CITY	1,125	5,668	8	5.04	7.00
ONTARIO	9,510	47,527	56	5.00	8.46

TABLE II-C.3

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Dollars Per Capita

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
WINSTON	3,380	16,860	13	4.99	12.81
DUNES CITY	1,170	5,728	19	4.90	2.94
JOHNSON CITY	390	1,863	1	4.78	13.60
PHOENIX	2,510	11,875	9	4.73	12.84
TIGARD	20,250	93,319	88	4.61	10.58
JEFFERSON	1,755	7,855	14	4.48	5.73
UNION	2,120	8,835	30	4.17	2.95
TALENT	2,660	10,568	9	3.97	11.30
GLADSTONE	9,570	37,697	44	3.94	8.48
JORDAN VAL	445	1,721	4	3.87	3.95
VENETA	2,335	7,960	18	3.41	4.43
BAKER	9,490	28,025	88	2.95	3.18
HOOD RIVER	4,490	13,108	31	2.92	4.23
CLATSKANIE	1,690	4,686	10	2.77	4.70
JOSEPH	1,170	3,192	11	2.73	2.95
MONMOUTH	5,390	14,635	23	2.72	6.23
CAVE JUNCTION	1,150	3,079	12	2.68	2.59
LOWELL	705	1,826	6	2.59	2.92
SPRINGFIELD	40,690	99,349	180	2.44	5.51
BURNS	2,830	6,675	27	2.36	2.45
KEIZER	19,800	46,428	67	2.34	6.89
SHADY COVE	1,190	2,111	14	1.77	1.54
CANBY	7,750	13,589	50	1.75	2.72
FOREST GROVE	11,750	17,340	40	1.48	4.30
MCMINNVILLE	15,175	20,014	79	1.32	2.55
MILTON FREEWATER	5,850	7,677	27	1.31	2.83
KING CITY	1,830	2,299	8	1.26	3.02
ASHLAND	15,660	16,109	86	1.03	1.87
WASCO	445	361	7	0.81	0.49
EUGENE	106,100	76,306	459	0.72	1.65
SISTERS	740	NA	12	NA	NA
TOTAL	1,520,805	\$10,159,607	8,252	-	-

Note: NA indicates not available.

TABLE II-C.4

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Hundred Dollars Per Mile

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
PILOT ROCK	1,630	\$14,175	3	\$8.70	\$49.05
MILWAUKIE	17,375	239,779	76	13.00	31.45
HILLSBORO	30,270	338,019	113	11.17	29.93
BEAVERTON	33,950	360,343	132	10.61	27.25
BANKS	495	6,034	2	12.19	26.12
GRESHAM	37,480	326,162	146	8.70	22.42
LAKE OSWEGO	24,200	208,357	94	8.61	22.07
TUALATIN	10,350	94,259	43	9.11	21.75
WOOD VILLAGE	2,595	14,760	7	5.69	21.36
TOLEDO	3,275	48,490	23	14.81	21.19
ST. HELENS	7,260	68,829	33	9.40	20.86
ALBANY	27,900	320,222	154	11.40	20.60
MT. VERNON	620	6,584	3	10.62	19.71
SCAPPOOSE	3,410	37,799	19	11.00	19.64
LINCOLN CITY	6,060	106,402	57	17.56	18.71
GRANTS PASS	15,350	130,907	71	8.53	18.45
ST. PAUL	330	4,916	3	14.90	18.07
MYRTLE POINT	2,700	30,290	17	11.22	18.03
WOODBURN	11,700	88,159	49	7.53	18.00
COQUILLE	4,220	41,071	23	9.73	17.64
LAFAYETTE	1,240	12,359	7	9.97	17.30
OREGON CITY	14,500	131,893	76	9.10	17.32
ASTORIA	9,820	93,746	54	9.55	17.22
MOLALLA	3,100	36,190	21	11.67	17.16
MT. ANGEL	2,930	16,825	10	5.74	17.10
DURHAM	720	6,315	4	8.77	17.07
WEST LINN	12,950	145,231	86	11.21	15.96
ROGUE RIVER	1,440	10,496	6	7.29	16.93
AUMSVILLE	1,480	11,852	7	8.01	16.72
EAGLE POINT	3,010	20,138	12	6.69	16.63
AURORA	525	7,619	5	14.51	15.84
LAKEVIEW	2,755	26,002	17	9.44	15.75
WILLAMINA	1,785	18,333	12	10.27	15.66
SILVERTON	5,290	39,613	25	7.49	15.64
ATHENA	955	12,594	8	13.19	15.51
SEASIDE	5,300	47,595	31	8.90	15.23
PORTLAND	379,000	2,716,674	1,000	7.17	15.09
REEDSPORT	4,875	31,165	21	6.39	14.88
BARLOW	100	1,561	1	15.61	14.87
HUBBARD	1,760	16,420	11	9.33	14.44
ADAIR	560	3,653	3	6.52	14.44
THE DALLES	10,900	99,861	69	9.16	14.42
MILL CITY	1,520	18,237	13	12.00	14.29
CORVALLIS	41,580	236,736	166	5.69	14.28
NEWBERG	11,440	79,459	56	6.95	14.28

TABLE II-C.4

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Hundred Dollars Per Mile

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
SUBLIMITY	1,430	10,953	8	7.65	13.71
DAYVILLE	205	3,600	3	17.56	13.64
JOHNSON CITY	390	1,863	1	4.78	13.60
SALEM	94,600	628,941	463	6.65	13.58
GLENDALE	720	7,794	6	10.83	13.44
PENDLETON	14,400	111,969	84	7.78	13.40
NORTH BEND	9,135	78,263	59	8.57	13.30
STAYTON	4,815	30,741	23	6.38	13.24
PHILOMATH	2,640	17,490	13	6.63	13.21
MILLERSBURG	550	12,076	9	21.96	13.14
CORNELIUS	5,050	31,065	24	6.15	13.09
PHOENIX	2,510	11,875	9	4.73	12.84
MERRILL	845	7,415	6	8.78	12.83
WINSTON	3,300	16,860	13	4.99	12.81
OKRIDGE	3,580	30,616	24	8.55	12.81
LONG CREEK	245	5,221	4	21.31	12.77
NEWPORT	8,350	75,430	59	9.03	12.73
DONALD	275	3,538	3	12.67	12.73
SCIO	590	6,506	5	11.03	12.71
GASTON	560	5,007	4	8.94	12.68
COOS BAY	14,695	97,981	78	6.67	12.63
CARLTON	1,270	12,078	10	9.51	12.49
SWEET HOME	6,800	56,216	45	8.27	12.48
COTTAGE GROVE	7,090	50,151	41	7.07	12.19
MEDFORD	41,975	223,370	183	5.32	12.15
SHERIDAN	2,420	19,625	16	8.11	12.10
ROSEBURG	16,025	117,158	97	7.31	12.11
JUNCTION CITY	3,050	25,100	21	8.23	12.06
RAINIER	1,560	14,046	12	9.00	11.95
JOHN DAY	1,985	17,345	15	8.74	11.82
NEHALEM	245	5,568	5	22.73	11.82
PRESCOTT	70	2,099	2	29.99	11.66
DALLAS	8,950	50,416	43	5.63	11.63
TILLAMOOK	3,925	27,540	24	7.02	11.59
GERVAIS	745	6,980	6	9.37	11.50
MYRTLE CREEK	3,200	10,463	16	5.77	11.45
TALENT	2,660	10,568	9	3.97	11.30
COBURG	650	0,133	7	12.51	11.26
DAYTON	1,390	9,934	9	7.15	11.16
ECHO	605	6,897	6	11.40	11.07
PRINEVILLE	5,410	39,609	36	7.32	11.02
SANDY	3,530	32,766	30	9.28	11.01
CRESWELL	1,695	11,365	10	6.00	10.85
NORTH POWDER	455	5,346	5	11.75	10.74
ELGIN	1,765	18,050	17	10.23	10.67

TABLE II-C.4

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Hundred Dollars Per Mile

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
TIGARD	20,250	93,319	88	4.61	10.58
SHERWOOD	2,685	19,065	18	7.10	10.57
BUTTE FALLS	450	3,241	3	7.20	10.45
AMITY	1,040	10,791	10	10.38	10.43
LAGRANDE	12,230	72,898	71	5.95	10.27
STANFIELD	1,660	12,320	12	7.42	10.20
CANYON CITY	610	8,768	9	14.37	10.18
YAMHILL	650	6,720	7	10.34	10.17
LEBANON	10,270	76,367	75	7.44	10.15
FAIRVIEW	1,850	11,665	12	6.31	10.10
ESTACADA	1,910	16,081	16	8.42	10.06
SUTHERLIN	4,320	36,981	37	8.56	10.04
KLAMATH FALLS	17,350	103,623	104	5.97	9.98
BEND*	18,000	125,010	126	6.95	9.95
POWERS	775	7,069	7	9.12	9.83
CANNON BEACH	1,250	13,841	14	11.07	9.75
CHILOQUIN	770	9,396	10	12.20	9.60
CENTRAL POINT	6,740	35,414	37	5.25	9.57
HINES	1,470	10,847	11	7.38	9.45
HALFWAY	410	3,058	3	7.46	9.44
FLORENCE	4,645	28,704	31	6.18	9.22
TURNER	1,210	11,589	13	9.58	9.07
DETROIT	400	6,854	8	17.13	8.87
HALSEY	680	7,482	8	11.00	8.81
DUFUR	550	6,352	7	11.55	8.64
GLADSTONE	9,570	37,697	44	3.94	8.48
ONTARIO	9,510	47,527	56	5.00	8.46
HELIX	155	1,715	2	11.06	8.28
SUMMERVILLE	155	1,663	2	10.73	8.23
HARRISBURG	1,840	13,078	16	7.11	8.15
ENTERPRISE	2,070	15,066	19	7.28	8.05
REDMOND*	6,740	53,409	67	7.92	8.03
HEMISTON	9,890	49,967	63	5.05	7.99
ISLAND CITY	730	4,689	6	6.42	7.92
MADRAS	2,320	15,138	19	6.52	7.90
DUNDEE	1,380	10,164	13	7.37	7.89
INDEPENDENCE	4,145	24,049	31	5.80	7.79
GATES	500	4,207	5	8.41	7.75
RIDDLE	1,115	8,520	11	7.64	7.75
NYSSA	2,890	14,766	19	5.11	7.69
WALDPOR	1,590	12,059	16	7.58	7.68
BANDON	2,330	19,485	25	8.36	7.65
VALE	1,670	13,851	18	8.29	7.57
UMATILLA	2,980	21,658	29	7.27	7.51
MALIN	620	3,653	5	5.89	7.49

TABLE II-C.4

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Hundred Dollars Per Mile

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
LAKE SIDE	1,420	9,856	13	6.94	7.43
IMBLER	290	2,865	4	9.88	7.40
JACKSONVILLE	1,990	11,280	15	5.67	7.39
CANYONVILLE	1,270	7,409	10	5.83	7.25
NORTH PLAINS	930	5,886	8	6.33	7.21
BAY CITY	1,100	10,380	14	9.44	7.18
PRAIRIE CITY	1,125	5,668	8	5.04	7.08
SILETZ	1,025	5,987	9	5.84	6.90
KEIZER	19,800	46,428	67	2.34	6.89
ROCKAWAY	1,185	16,356	24	13.80	6.83
WALLOWA	810	5,640	8	6.96	6.80
WESTON	730	7,758	11	10.63	6.78
OAKLAND	850	5,606	8	6.59	6.64
GARIBALDI	1,070	6,756	10	6.31	6.60
COLUMBIA CITY	750	6,408	10	8.54	6.52
WHEELER	350	4,152	6	11.86	6.43
ADAMS	245	2,500	4	10.21	6.41
MONROE	460	3,499	6	7.61	6.36
WILSONVILLE	3,700	67,579	106	18.26	6.35
MONMOUTH	5,390	14,635	23	2.72	6.23
HUNTINGTON	555	5,187	8	9.35	6.21
HEPPNER	1,385	8,442	14	6.10	6.19
GEARHART	1,000	8,591	14	8.69	6.08
GOLD HILL	910	6,190	10	6.80	5.93
COVE	530	3,879	7	7.32	5.90
BROWNSVILLE	1,255	9,419	16	7.51	5.85
HAMMOND	525	4,668	8	8.89	5.78
JEFFERSON	1,755	7,855	14	4.48	5.73
ARLINGTON	450	7,396	13	16.44	5.71
YACHATS	560	5,423	10	9.63	5.61
SENECA	265	1,546	3	5.84	5.54
SPRINGFIELD	40,690	99,349	180	2.44	5.51
LYONS	870	5,585	10	6.42	5.50
MANZANITA	495	7,764	14	15.68	5.43
RICHLAND	190	1,394	3	7.34	5.32
BONANZA	325	3,534	7	10.87	5.28
WATERLOO	210	1,915	4	9.12	5.27
MORO	320	3,434	7	10.73	5.26
IDANHA	345	2,967	6	8.60	5.00
HAINES	395	3,484	7	8.82	4.96
GRASS VALLEY	180	2,094	4	11.63	4.90
CLATSKANIE	1,690	4,686	10	2.77	4.70
FOSSIL	530	3,600	8	6.79	4.45
IONE	345	2,130	5	6.17	4.45
DEPOE BAY	825	5,690	13	6.90	4.43

TABLE II-C.4

STREETLIGHT EXPENDITURE INDICATORS
Sorted By Descending Hundred Dollars Per Mile

City	Population	Total Dollars	Total Road Miles	Dollars Per Capita	Hundred Dollars Per Mile
VENETA	2,335	7,960	18	3.41	4.43
WARRENTON	2,475	18,481	43	7.47	4.31
FOREST GROVE	11,750	17,340	40	1.48	4.30
HOOD RIVER	4,490	13,108	31	2.92	4.23
ADRIAN	155	905	2	5.84	4.04
CONDON	720	6,288	16	8.73	4.04
JORDAN VAL	445	1,721	4	3.87	3.95
FALLS CITY	780	4,293	11	5.50	3.80
METOLIUS	455	2,584	7	5.68	3.73
LOSTINE	240	1,340	4	5.58	3.59
LEXINGTON	240	1,524	5	6.35	3.26
BAKER	9,490	28,025	88	2.95	3.18
KING CITY	1,830	2,299	8	1.26	3.02
UNION	2,120	8,835	30	4.17	2.95
JOSEPH	1,170	3,192	11	2.73	2.95
DUNES CITY	1,170	5,728	19	4.90	2.94
LOWELL	705	1,826	6	2.59	2.92
MILTON FREEWATER	5,850	7,677	27	1.31	2.83
SUMPTER	150	2,686	10	17.91	2.82
CANBY	7,750	13,589	50	1.75	2.72
CAVE JUNCTION	1,150	3,079	12	2.68	2.59
MCMINNVILLE	15,175	20,014	79	1.32	2.55
SCOTTS MILL	255	1,757	7	6.89	2.52
BURNS	2,830	6,675	27	2.36	2.45
ASHLAND	15,660	16,109	86	1.03	1.87
EUGENE	106,100	76,306	459	0.72	1.66
SHADY COVE	1,190	2,111	14	1.77	1.54
LONE ROCK	25	153	2	6.12	0.65
WASCO	445	361	7	0.81	0.49
UNITY	110	681	NA	6.19	NA
SISTERS	740	NA	12	NA	NA
TOTAL	1,520,805	\$10,159,607	8,252	-	-

Note: NA indicates not available.

TABLE II-D.1

STREETLIGHT EXPENDITURE COMPONENTS
By City

City	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
ADAIR*	NA	NA	NA	NA	NA	NA	NA
ADAMS	\$1,330	53.20%	1,005	40.20%	\$165	6.60%	\$2,500
ADRIAN*	NA	NA	NA	NA	NA	NA	NA
ALBANY**	174,688	55.36%	131,179	41.57%	9,662	3.06%	315,529
AMITY	5,214	48.32%	4,203	38.95%	1,374	12.73%	10,791
ARLINGTON	3,219	43.52%	4,152	56.14%	25	0.34%	7,396
ASHLAND	16,109	100.00%	0	0.00%	0	0.00%	16,109
ASTORIA	55,183	58.86%	28,676	30.59%	9,888	10.55%	93,746
ATHENA	8,115	64.44%	4,205	33.39%	274	2.17%	12,594
AUMSVILLE	6,759	57.03%	4,315	36.41%	778	6.56%	11,852
AURORA	4,137	54.30%	3,296	43.26%	186	2.44%	7,619
BAKER	28,025	100.00%	0	0.00%	0	0.00%	28,025
BANDON*	NA	NA	NA	NA	NA	NA	NA
BANKS	3,378	55.98%	2,247	37.24%	409	6.78%	6,034
BARLOW	797	51.05%	764	48.95%	0	0.00%	1,561
BAY CITY*	NA	NA	NA	NA	NA	NA	NA
BEAVERTON	131,523	36.50%	105,670	29.32%	123,150	34.18%	360,343
BEND**	65,451	52.36%	57,498	45.99%	2,061	1.65%	125,010
BONANZA	1,861	52.68%	1,672	47.32%	0	0.00%	3,534
BROWNSVILLE	5,026	53.36%	4,200	45.44%	113	1.20%	9,419
BURNS	1,474	22.09%	4,094	61.33%	1,107	16.58%	6,675
BUTTE FALLS	1,797	55.45%	1,371	42.31%	73	2.24%	3,241
CANBY	13,589	100.00%	0	0.00%	0	0.00%	13,589
CANNON BEACH	8,433	60.93%	5,066	36.60%	341	2.47%	13,841
CANYON CITY	2,106	24.02%	5,677	64.75%	984	11.22%	8,768
CANYONVILLE	3,908	52.75%	3,461	46.71%	40	0.53%	7,409
CARLTON	6,427	53.21%	5,466	45.25%	186	1.54%	12,078
CAVE JUNCTION	3,079	100.00%	0	0.00%	0	0.00%	3,079
CENTRAL POINT	20,700	58.45%	13,320	37.61%	1,394	3.94%	35,414
CHILOQUIN	5,347	56.91%	3,300	35.98%	668	7.11%	9,396
CLATSKANIE	4,686	100.00%	0	0.00%	0	0.00%	4,686
COBURG	5,211	64.08%	2,775	34.12%	147	1.81%	8,133
COLUMBIA CITY	4,170	65.06%	2,111	32.95%	127	1.99%	6,408
CONDON*	NA	NA	NA	NA	NA	NA	NA
COOS BAY	55,336	56.48%	41,117	41.96%	1,529	1.56%	97,981
COQUILLE	19,943	48.56%	20,434	49.75%	693	1.69%	41,071
CORNELIUS	15,466	49.79%	10,157	32.69%	5,442	17.52%	31,065
CORVALLIS**	110,316	50.01%	103,735	47.03%	6,520	2.96%	220,571
COTTAGE GROVE	27,268	54.37%	19,119	38.12%	3,764	7.50%	50,151
COVE	856	22.06%	2,532	65.26%	492	12.68%	3,879
CRESWELL	5,973	52.55%	5,143	45.25%	249	2.19%	11,365
DALLAS	29,027	57.58%	19,086	37.86%	2,303	4.57%	50,416
DAYTON	5,208	52.43%	4,419	44.48%	307	3.09%	9,934
DAYVILLE	677	18.82%	2,258	62.73%	664	18.45%	3,600
DEPOE BAY***	656	11.53%	4,897	86.06%	137	2.40%	5,690

TABLE II-D.1

STREETLIGHT EXPENDITURE COMPONENTS
By City

City	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
DETROIT*	NA	NA	NA	NA	NA	NA	NA
DONALD	1,743	49.26%	1,672	47.24%	124	3.50%	3,538
DUFUR*	NA	NA	NA	NA	NA	NA	NA
DUNDEE	4,216	41.48%	4,883	48.04%	1,065	10.48%	10,164
DUNES CITY***	582	10.16%	5,088	88.83%	58	1.01%	5,728
DURHAM	3,832	60.68%	2,099	33.23%	384	6.09%	6,315
EAGLE POINT	10,360	51.45%	8,849	43.94%	928	4.61%	20,138
ECHO	3,856	55.91%	2,689	38.99%	352	5.11%	6,897
ELGIN	3,283	18.19%	11,372	63.00%	3,395	18.81%	18,050
ENTERPRISE	7,175	47.62%	7,786	51.68%	106	0.70%	15,066
ESTACADA	8,571	53.30%	6,705	41.70%	805	5.01%	16,081
EUGENE	76,306	100.00%	0	0.00%	0	0.00%	76,306
FAIRVIEW	6,619	56.74%	4,748	40.70%	299	2.56%	11,665
FALLS CITY	2,618	60.98%	1,664	38.76%	11	0.27%	4,293
FLORENCE***	3,154	10.99%	23,586	82.17%	1,364	6.84%	28,704
FOREST GROVE	17,340	100.00%	0	0.00%	0	0.00%	17,340
FOSSIL*	NA	NA	NA	NA	NA	NA	NA
GARIBALDI*	NA	NA	NA	NA	NA	NA	NA
GASTON	2,820	56.32%	2,142	42.77%	45	0.90%	5,007
GATES	1,837	43.68%	2,290	54.44%	79	1.88%	4,207
GEARHART	5,351	61.57%	3,070	35.32%	270	3.11%	8,691
SERVAIS	3,179	45.54%	3,584	51.35%	217	3.10%	6,980
GLADSTONE	23,467	62.25%	11,173	29.64%	3,056	8.11%	37,697
BLENDALE	4,884	61.64%	2,765	35.48%	224	2.88%	7,794
GOLD HILL	2,136	34.51%	4,054	65.49%	0	0.00%	6,190
GRANTS PASS	72,481	55.37%	48,174	36.80%	10,252	7.83%	130,907
GRASS VALLEY	1,240	59.22%	854	40.78%	0	0.00%	2,094
GRESHAM	144,601	44.33%	119,272	36.57%	62,289	19.10%	326,162
HAINES	1,330	38.17%	1,957	56.18%	197	5.65%	3,484
HALFWAY*	NA	NA	NA	NA	NA	NA	NA
HALSEY	5,312	70.99%	2,159	28.86%	11	0.15%	7,482
HAMMOND	2,927	62.70%	1,569	33.62%	172	3.68%	4,668
HARRISBURG	7,880	60.26%	4,853	37.10%	345	2.64%	13,078
HELIX	992	57.85%	683	39.84%	40	2.31%	1,715
HEPPNER*	NA	NA	NA	NA	NA	NA	NA
HERMISTON	24,599	49.23%	24,794	49.62%	574	1.15%	49,967
HILLSBORO	113,405	33.55%	100,062	29.60%	124,552	36.85%	338,019
HINES	1,970	18.16%	6,835	63.01%	2,042	18.82%	10,847
HOOD RIVER	9,767	74.52%	2,951	22.51%	389	2.97%	13,108
HUBBARD	7,425	45.22%	6,790	41.35%	2,205	13.43%	16,420
HUNTINGTON*	NA	NA	NA	NA	NA	NA	NA
IDANHA*	NA	NA	NA	NA	NA	NA	NA
IMBLER	744	25.96%	1,875	65.46%	246	8.59%	2,865
INDEPENDENCE	14,171	58.92%	7,862	32.69%	2,017	8.39%	24,049
IONE*	NA	NA	NA	NA	NA	NA	NA

TABLE II-D.1

STREETLIGHT EXPENDITURE COMPONENTS
By City

City	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
ISLAND CITY	1,176	25.08%	3,120	66.53%	394	8.39%	4,689
JACKSONVILLE	3,826	33.92%	7,382	65.44%	73	0.64%	11,280
JEFFERSON	4,055	51.63%	3,641	46.36%	158	2.02%	7,855
JOHN DAY	4,231	24.39%	11,171	64.40%	1,943	11.20%	17,345
JOHNSON CITY	1,793	96.25%	70	3.75%	0	0.00%	1,863
JORDAN VAL*	NA	NA	NA	NA	NA	NA	NA
JOSEPH	1,005	31.48%	2,187	68.52%	0	0.00%	3,192
JUNCTION CITY	14,842	59.11%	9,813	39.08%	454	1.81%	25,108
KEIZER	14,380	38.80%	21,696	46.73%	10,432	22.47%	46,428
KING CITY	1,507	65.55%	606	26.37%	186	8.08%	2,299
KLAMATH FALLS	68,039	65.66%	30,598	29.53%	4,985	4.81%	103,623
LAFAYETTE	6,108	49.43%	5,172	41.85%	1,078	8.73%	12,359
LAGRANDE	15,509	21.28%	46,565	63.88%	10,824	14.85%	72,898
LAKE OSWEGO	130,556	62.66%	61,774	29.65%	16,027	7.69%	208,357
LAKEVIEW	1,049	10.64%	8,748	88.76%	59	0.60%	9,856
LAKEVIEW	12,003	46.16%	12,188	46.87%	1,811	6.97%	26,002
LEBANON**	43,660	60.68%	25,313	35.18%	2,983	4.15%	71,957
LEXINGTON*	NA	NA	NA	NA	NA	NA	NA
LINCOLN CITY	55,389	52.06%	50,001	46.99%	1,012	0.95%	106,402
LONE ROCK*	NA	NA	NA	NA	NA	NA	NA
LONG CREEK	946	18.12%	3,291	63.03%	984	18.85%	5,221
LOSTINE	794	59.22%	547	40.78%	0	0.00%	1,340
LOWELL****	566	30.98%	1,260	69.02%	0	0.00%	1,826
LYONS	3,622	64.85%	1,934	34.63%	29	0.53%	5,585
MADRAS	6,088	40.21%	8,907	58.84%	143	0.95%	15,138
MALIN	2,770	75.82%	865	23.69%	18	0.49%	3,653
MANZANITA*	NA	NA	NA	NA	NA	NA	NA
*CHINNVILLE	20,014	100.00%	0	0.00%	0	0.00%	20,014
MEDFORD	157,685	70.59%	51,273	22.95%	14,420	6.46%	223,378
MERRILL	4,490	60.56%	2,555	34.46%	370	4.98%	7,415
METOLIUS	832	32.20%	1,732	67.03%	20	0.77%	2,584
MILL CITY	8,428	46.21%	7,019	38.49%	2,790	15.30%	18,237
MILLERSBURG	7,093	58.74%	4,365	36.15%	617	5.11%	12,076
MILTON FREEWATER*	NA	NA	NA	NA	NA	NA	NA
MILWAUKIE	117,366	48.95%	89,986	37.53%	32,427	13.52%	239,779
MOLALLA	18,936	52.32%	13,204	36.49%	4,050	11.19%	36,190
MONMOUTH*	NA	NA	NA	NA	NA	NA	NA
MONROE	1,863	53.24%	1,607	45.92%	29	0.84%	3,499
MORO	2,034	59.22%	1,400	40.78%	0	0.00%	3,434
MT. ANGEL	8,946	53.17%	7,296	43.36%	583	3.47%	16,825
MT. VERNON	1,212	18.41%	4,142	62.91%	1,230	18.68%	6,584
MYRTLE CREEK	7,527	40.77%	10,315	55.87%	620	3.36%	18,463
MYRTLE POINT	14,659	48.38%	15,573	51.40%	66	0.22%	30,298
NEHALEM*	NA	NA	NA	NA	NA	NA	NA
NEWBERG	40,294	50.71%	28,478	35.84%	10,687	13.45%	79,459

TABLE II-D.1

STREETLIGHT EXPENDITURE COMPONENTS
By City

City	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
NEWPORT***	8,709	11.55%	60,260	79.89%	6,461	8.57%	75,430
NORTH BEND	36,921	47.18%	39,166	50.04%	2,175	2.78%	78,263
NORTH PLAINS	2,916	49.53%	2,847	48.36%	124	2.10%	5,886
NORTH POWDER	1,010	18.90%	3,352	62.70%	984	18.40%	5,346
NYSSA*	NA	NA	NA	NA	NA	NA	NA
OAKLAND	2,735	48.79%	2,660	47.45%	211	3.77%	5,606
OAKRIDGE	8,580	28.02%	21,356	69.75%	680	2.22%	30,616
ONTARIO*	NA	NA	NA	NA	NA	NA	NA
OREGON CITY	67,227	50.97%	51,296	38.89%	13,370	10.14%	131,893
PENDLETON	55,250	49.34%	52,830	47.10%	3,889	3.47%	111,969
PHILOMATH	9,419	53.85%	7,926	45.32%	145	0.83%	17,490
PHOENIX	4,866	40.97%	6,725	56.64%	284	2.39%	11,875
PILOT ROCK	8,372	59.06%	5,274	37.21%	529	3.73%	14,175
PORTLAND	1,701,672	62.64%	779,556	28.70%	235,446	8.67%	2,716,674
POWERS	3,529	49.92%	3,520	49.80%	20	0.28%	7,069
PRAIRIE CITY	1,045	18.44%	3,565	62.89%	1,058	18.66%	5,668
PRESCOTT	875	41.70%	1,131	53.87%	93	4.42%	2,099
PRINEVILLE	16,452	41.54%	22,830	57.64%	327	0.83%	39,609
RAINIER	6,879	48.97%	6,784	48.30%	384	2.73%	14,046
REDMOND**	27,312	51.14%	23,916	44.78%	2,181	4.08%	53,409
REEDSPORT***	3,285	10.54%	24,813	79.62%	3,067	9.84%	31,165
RICHLAND*	NA	NA	NA	NA	NA	NA	NA
RIDDLE	3,806	44.68%	4,403	51.68%	310	3.64%	8,520
ROCKAWAY*	NA	NA	NA	NA	NA	NA	NA
ROGUE RIVER	5,738	54.67%	4,106	39.12%	652	6.21%	10,496
ROSEBURG	63,491	54.19%	48,502	41.40%	5,165	4.41%	117,158
SALEM	305,271	48.54%	229,511	36.49%	94,159	14.97%	628,941
SANDY	18,589	56.73%	11,927	36.40%	2,251	6.87%	32,766
SCAPPOOSE	16,327	43.19%	16,558	43.81%	4,914	13.00%	37,799
SCIO	2,233	34.33%	4,272	65.67%	0	0.00%	6,506
SCOTTS MILL	494	28.13%	1,201	68.35%	62	3.53%	1,757
SEASIDE	21,486	45.14%	25,572	53.73%	537	1.13%	47,595
SENECA	457	29.57%	1,065	68.84%	25	1.59%	1,546
SHADY COVE	1,147	54.32%	920	43.58%	44	2.10%	2,111
SHERIDAN	10,549	53.75%	8,693	44.30%	383	1.95%	19,625
SHERWOOD	9,866	51.75%	7,956	41.73%	1,242	6.52%	19,065
SILETZ***	534	8.92%	4,303	71.87%	1,150	19.20%	5,987
SILVERTON	21,591	54.51%	16,601	41.91%	1,421	3.59%	39,613
SISTERS*	NA	NA	NA	NA	NA	NA	NA
SPRINGFIELD	48,026	48.34%	51,323	51.66%	0	0.00%	99,349
STANFIELD	6,558	53.23%	5,096	41.36%	666	5.41%	12,320
STAYTON	18,199	59.20%	9,907	32.23%	2,635	8.57%	30,741
ST. HELENS	37,011	53.77%	28,073	48.79%	3,746	5.44%	68,829
ST. PAUL	2,778	56.50%	2,108	42.87%	31	0.63%	4,916
SUBLIMITY	5,015	45.78%	5,429	49.57%	509	4.65%	10,953

TABLE II-D.1

STREETLIGHT EXPENDITURE COMPONENTS
By City

City	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
SUMMERVILLE	290	17.45%	1,053	63.32%	320	19.23%	1,663
SUMPTER	469	17.45%	1,701	63.32%	517	19.23%	2,686
SUTHERLIN	21,285	57.56%	13,984	37.82%	1,712	4.63%	36,981
SWEET HOME	29,333	52.18%	25,444	45.26%	1,439	2.56%	56,216
TALENT	5,233	49.52%	4,868	46.06%	467	4.42%	10,568
THE DALLES*	NA	NA	NA	NA	NA	NA	NA
TIGARD	45,420	48.67%	35,275	37.80%	12,625	13.53%	93,319
TILLAMOOK*	NA	NA	NA	NA	NA	NA	NA
TOLEDO***	4,987	10.28%	36,993	76.29%	6,510	13.43%	48,490
TUALATIN	50,585	53.67%	34,224	36.31%	9,450	10.03%	94,259
TURNER	5,565	48.83%	4,382	37.13%	1,721	14.85%	11,589
UMATILLA	12,669	58.50%	7,671	35.42%	1,318	6.08%	21,658
UNION	2,055	23.26%	5,748	65.05%	1,033	11.69%	8,835
UNITY*	NA	NA	NA	NA	NA	NA	NA
VALE*	NA	NA	NA	NA	NA	NA	NA
VENETA*, ****	2,415	38.34%	5,545	69.66%	0	0.00%	7,960
WALDPORT***	1,271	10.54%	9,698	80.42%	1,090	9.04%	12,059
WALLOWA	1,778	31.52%	3,863	68.48%	0	0.00%	5,640
WARRENTON	13,300	71.97%	4,856	26.28%	325	1.76%	18,481
WASCO	198	54.90%	137	37.80%	26	7.30%	361
WATERLOO	1,128	58.94%	787	36.93%	79	4.14%	1,915
WEST LINN	61,296	42.21%	60,453	41.63%	23,481	16.17%	145,231
WESTON	4,874	62.82%	2,759	35.56%	125	1.62%	7,758
WHEELER*	NA	NA	NA	NA	NA	NA	NA
WILLAMINA	10,057	54.86%	7,551	41.19%	725	3.95%	18,333
WILSONVILLE	19,215	28.43%	32,271	47.75%	16,093	23.81%	67,579
WINSTON	12,978	76.97%	3,557	21.09%	326	1.93%	16,860
WOOD VILLAGE	7,185	48.14%	5,921	40.11%	1,734	11.75%	14,760
WOODBURN	38,645	43.83%	36,031	40.87%	13,483	15.29%	88,159
YACHTS***	555	10.23%	4,694	86.56%	174	3.21%	5,423
YAMHILL*	3,538	52.65%	3,027	45.05%	155	2.30%	6,720
TOTAL	\$5,192,245	53.87%	\$3,589,145	36.69%	\$1,001,724	10.24%	\$9,783,114

Notes: * There is insufficient information to break total expenditures into component costs.

** The city is served by two utilities, one of which does not provide sufficient information to break total expenditures into component costs.

*** Energy component of Lincoln PUD served cities might be artificially low. Energy charge based on 200 Watt energy only rate (\$1.30/mo) which equals 1.5 cents/KWH which is below the BPA wholesale rate.

**** Assumes all lights are mounted on distribution type wood with no additional pole charge.

NA indicates not available.

TABLE II-D.2

STREETLIGHT EXPENDITURE COMPONENTS
By Utility

Utility	Energy		Rental & Maintenance		Poles		Total Dollars
	\$	%	\$	%	\$	%	
PGE	\$3,232,388	53.91%	\$1,943,026	32.40%	\$822,819	13.69%	\$5,998,234
PP&L	1,611,490	55.25%	1,192,172	40.87%	113,152	3.88%	2,916,814
CENTRAL LINCOLN	24,783	10.84%	183,079	80.11%	20,669	9.04%	228,532
CP NATIONAL	68,866	31.49%	121,371	55.50%	28,438	13.00%	218,675
SALEM ELECTRIC	37,103	34.33%	57,376	53.09%	13,603	12.59%	108,082
NORTHERN WASCO	NA	NA	NA	NA	NA	NA	NA*
SUB	48,026	48.34%	51,323	51.66%	0	0.00%	99,349
IDAHO POWER	NA	NA	NA	NA	NA	NA	NA*
TILLAMOOK PUD	NA	NA	NA	NA	NA	NA	NA*
EWEB	76,306	100.00%	0	0.00%	0	0.00%	76,306
CONSUMERS POWER	NA	NA	NA	NA	NA	NA	NA*
LANE	9,289	27.95%	23,266	70.00%	680	2.05%	33,235
COLUMBIA RIVER	9,984	37.00%	12,637	46.83%	4,363	16.17%	26,984
COLUMBIA BASIN	NA	NA	NA	NA	NA	NA	NA*
MCMINNVILLE	20,014	100.00%	0	0.00%	0	0.00%	20,014
BANDON	NA	NA	NA	NA	NA	NA	NA*
FOREST GROVE	17,340	100.00%	0	0.00%	0	0.00%	17,340
ASHLAND	16,109	100.00%	0	0.00%	0	0.00%	16,109
MONMOUTH	NA	NA	NA	NA	NA	NA	NA*
CANBY	13,589	100.00%	0	0.00%	0	0.00%	13,589
MILTON FREEWATER	NA	NA	NA	NA	NA	NA	NA*
EMERALD PUD	2,272	31.70%	4,895	68.30%	0	0.00%	7,167
CLATSKANIE PUD	4,686	100.00%	0	0.00%	0	0.00%	4,686
CENTRAL ELECTRIC	NA	NA	NA	NA	NA	NA	NA
TOTAL	\$5,192,245	53.07%	\$3,589,145	36.69%	\$1,001,724	10.24%	\$9,783,115

Notes: NA indicates not available.

NA* indicates available but not included because
component expenditures were not available.

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars	Hundred
							Per Capita	Dollars Per Mile
PRIMARYLY TYPE A								
ADAIR	560	100%	0%	0%	\$3,653	2.5	\$6.52	14.44
ADAMS	245	100%	0%	0%	2,500	3.9	10.21	6.41
ADRIAN	155	100%	0%	0%	905	2.2	5.84	4.04
ALBANY	27,900	97%	3%	0%	320,222	154.0	11.48	20.80
AMITY	1,040	100%	0%	0%	10,791	10.4	10.38	10.43
ARLINGTON	450	100%	0%	0%	7,396	13.0	16.44	5.71
ASTORIA	9,820	95%	5%	0%	93,746	54.4	9.55	17.22
ATHENA	955	100%	0%	0%	12,594	8.1	13.19	15.51
AUMSVILLE	1,480	100%	0%	0%	11,852	7.1	8.01	16.72
AURORA	525	100%	0%	0%	7,619	4.8	14.51	15.84
BANKS	495	100%	0%	0%	6,034	2.3	12.19	26.12
BARLOW	100	100%	0%	0%	1,561	1.1	15.61	14.87
BAY CITY	1,100	100%	0%	0%	10,380	14.5	9.44	7.18
BEAVERTON	33,950	71%	9%	20%	360,343	132.2	10.61	27.25
BEND	18,000	99%	0%	1%	125,010	125.6	6.95	9.95
BONANZA	325	100%	0%	0%	3,534	6.7	10.87	5.28
BROWNSVILLE	1,255	100%	0%	0%	9,419	16.1	7.51	5.65
BURNS	2,830	100%	0%	0%	6,675	27.2	2.36	2.45
BUTTE FALLS	450	100%	0%	0%	3,241	3.1	7.20	10.45
CANNON BEACH	1,250	100%	0%	0%	13,841	14.2	11.07	9.75
CANYON CITY	610	100%	0%	0%	8,768	8.6	14.37	10.18
CANYONVILLE	1,270	100%	0%	0%	7,409	10.2	5.83	7.25
CARLTON	1,270	100%	0%	0%	12,078	9.7	9.51	12.49
CENTRAL POINT	6,740	100%	0%	0%	35,414	37.0	5.25	9.57
CHILDOQUIN	770	100%	0%	0%	9,396	9.8	12.20	9.60
COBURG	650	100%	0%	0%	8,133	7.2	12.51	11.26
COLUMBIA CITY	750	100%	0%	0%	6,400	9.8	8.54	6.52
COOS BAY	14,695	100%	0%	0%	97,981	77.6	6.67	12.63
COQUILLE	4,220	79%	0%	21%	41,071	23.3	9.73	17.64
CORNELIUS	5,050	56%	44%	0%	31,065	23.7	6.15	13.09
CORVALLIS	41,580	98%	0%	2%	236,736	165.8	5.69	14.28
COTTAGE GROVE	7,090	100%	0%	0%	50,151	41.1	7.07	12.19
COVE	530	100%	0%	0%	3,879	6.6	7.32	5.90
CRESWELL	1,895	100%	0%	0%	11,365	10.5	6.00	10.85
DALLAS	8,950	100%	0%	0%	50,416	43.3	5.63	11.63
DAYTON	1,390	86%	12%	2%	9,934	8.9	7.15	11.16
DAYVILLE	205	100%	0%	0%	3,600	2.6	17.56	13.64
DEPOE BAY	825	100%	0%	0%	5,690	12.9	6.90	4.43
DETROIT	400	100%	0%	0%	6,854	7.7	17.13	8.87
DONALD	275	100%	0%	0%	3,538	2.8	12.87	12.73
DUFUR	550	100%	0%	0%	6,352	7.4	11.55	8.64
DUNDEE	1,380	95%	5%	0%	10,164	12.9	7.37	7.89

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars Per Capita	Hundred Dollars Per Mile
DUNES CITY	1,170	100%	0%	0%	5,728	19.5	4.90	2.94
EAGLE POINT	3,010	100%	0%	0%	20,138	12.1	6.69	16.63
ECHO	685	100%	0%	0%	6,897	6.2	11.40	11.07
ELGIN	1,765	100%	0%	0%	18,050	16.9	10.23	10.67
ENTERPRISE	2,070	100%	0%	0%	15,066	18.7	7.28	8.06
ESTACADA	1,910	100%	0%	0%	16,081	16.0	8.42	10.06
FAIRVIEW	1,850	74%	26%	0%	11,665	11.6	6.31	10.10
FALLS CITY	780	100%	0%	0%	4,293	11.3	5.50	3.00
FLORENCE	4,645	100%	0%	0%	28,704	31.1	6.18	9.22
FOSSIL	530	100%	0%	0%	3,600	8.1	6.79	4.45
GARIBALDI	1,070	100%	0%	0%	6,756	10.2	6.31	6.60
GASTON	560	100%	0%	0%	5,007	4.0	8.94	12.68
GATES	500	100%	0%	0%	4,207	5.4	8.41	7.75
GEARHART	1,000	100%	0%	0%	8,691	14.3	8.69	6.08
GERVAIS	745	100%	0%	0%	6,980	6.1	9.37	11.50
GLENDALE	720	100%	0%	0%	7,794	5.8	10.83	13.44
GOLD HILL	910	100%	0%	0%	6,190	10.4	6.80	5.93
GRANTS PASS	15,350	100%	0%	0%	130,907	70.9	8.53	10.45
GRASS VALLEY	180	100%	0%	0%	2,094	4.3	11.63	4.90
GRESHAM	37,480	72%	28%	0%	326,162	145.5	8.70	22.42
HAINES	395	100%	0%	0%	3,484	7.0	8.82	4.96
HALFWAY	410	100%	0%	0%	3,058	3.2	7.46	9.44
HALSEY	680	100%	0%	0%	7,482	8.5	11.00	8.81
HAMMOND	525	100%	0%	0%	4,668	8.1	8.89	5.78
HARRISBURG	1,840	100%	0%	0%	13,078	16.0	7.11	8.16
HELIX	155	100%	0%	0%	1,715	2.1	11.06	8.28
HEPPNER	1,385	100%	0%	0%	8,442	13.6	6.10	6.19
HERMISTON	9,890	100%	0%	0%	49,967	62.5	5.05	7.99
HILLSBORO	30,270	94%	6%	0%	338,019	112.9	11.17	29.93
HINES	1,470	100%	0%	0%	10,847	11.5	7.38	9.45
HOOD RIVER	4,490	98%	2%	0%	13,108	31.0	2.92	4.23
HUBBARD	1,760	100%	0%	0%	16,420	11.4	9.33	14.44
HUNTINGTON	555	100%	0%	0%	5,187	8.4	9.35	6.21
IDANHA	345	100%	0%	0%	2,967	5.9	8.60	5.00
IMBLER	290	100%	0%	0%	2,865	3.9	9.88	7.40
INDEPENDENCE	4,145	100%	0%	0%	24,049	30.9	5.80	7.79
IONE	345	100%	0%	0%	2,130	4.8	6.17	4.45
ISLAND CITY	730	100%	0%	0%	4,689	5.9	6.42	7.92
JACKSONVILLE	1,990	100%	0%	0%	11,280	15.3	5.67	7.39
JEFFERSON	1,755	100%	0%	0%	7,855	13.7	4.48	5.73
JOHN DAY	1,985	100%	0%	0%	17,345	14.7	8.74	11.82
JORDAN VAL	445	100%	0%	0%	1,721	4.4	3.87	3.95
JOSEPH	1,170	100%	0%	0%	3,192	10.8	2.73	2.95
JUNCTION CITY	3,050	100%	0%	0%	25,108	20.8	8.23	12.06

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars Per Capita	Hundred Dollars Per Mile
KEIZER	19,800	96%	4%	0%	46,428	67.4	2.34	6.89
KING CITY	1,830	63%	0%	37%	2,299	7.6	1.26	3.02
KLAMATH FALLS	17,350	74%	7%	19%	103,623	103.8	5.97	9.98
LAFAYETTE	1,240	99%	0%	1%	12,359	7.1	9.97	17.38
LAGRANDE	12,230	100%	0%	0%	72,898	71.0	5.96	10.27
LAKESIDE	1,420	100%	0%	0%	9,856	13.3	6.94	7.43
LAKEVIEW	2,755	100%	0%	0%	26,002	16.5	9.44	15.75
LEBANON	10,270	100%	0%	0%	76,367	75.3	7.44	10.15
LEXINGTON	240	100%	0%	0%	1,524	4.7	6.35	3.26
LINCOLN CITY	6,060	100%	0%	0%	106,402	56.9	17.56	18.71
LONE ROCK	25	100%	0%	0%	153	2.4	6.12	0.65
LONG CREEK	245	100%	0%	0%	5,221	4.1	21.31	12.77
LOSTINE	240	100%	0%	0%	1,340	3.7	5.58	3.59
LOWELL	705	100%	0%	0%	1,826	6.3	2.59	2.92
LYONS	870	100%	0%	0%	5,585	10.2	6.42	5.50
MADRAS	2,320	100%	0%	0%	15,138	19.2	6.52	7.90
MALIN	620	100%	0%	0%	3,653	4.9	5.89	7.49
MANZANITA	495	100%	0%	0%	7,764	14.3	15.68	5.43
MERRILL	845	100%	0%	0%	7,415	5.8	8.78	12.83
METOLIUS	455	100%	0%	0%	2,584	6.9	5.68	3.73
MILL CITY	1,520	100%	0%	0%	10,237	12.8	12.00	14.29
MILLERSBURG	550	100%	0%	0%	12,076	9.2	21.96	13.14
MILWAUKIE	17,375	94%	6%	0%	239,779	76.2	13.80	31.45
MOLALLA	3,100	89%	11%	0%	36,190	21.1	11.67	17.16
MONROE	460	100%	0%	0%	3,499	5.5	7.61	6.36
MORO	320	100%	0%	0%	3,434	6.5	10.73	5.26
MT. ANGEL	2,930	100%	0%	0%	16,825	9.8	5.74	17.10
MT. VERNON	620	100%	0%	0%	6,584	3.3	10.62	19.71
MYRTLE CREEK	3,200	100%	0%	0%	18,463	16.1	5.77	11.45
MYRTLE POINT	2,700	100%	0%	0%	30,298	16.8	11.22	18.03
NEHALEM	245	100%	0%	0%	5,568	4.7	22.73	11.82
NEWBERG	11,440	60%	40%	0%	79,459	55.7	6.95	14.28
NEWPORT	8,350	100%	0%	0%	75,430	59.3	9.03	12.73
NORTH BEND	9,135	100%	0%	0%	78,263	58.8	8.57	13.30
NORTH PLAINS	930	100%	0%	0%	5,886	8.2	6.33	7.21
NORTH POWDER	455	100%	0%	0%	5,346	5.0	11.75	10.74
NYSSA	2,890	100%	0%	0%	14,766	19.2	5.11	7.69
OAKLAND	850	100%	0%	0%	5,606	8.4	6.59	6.64
OAKRIDGE	3,580	100%	0%	0%	30,616	23.9	8.55	12.81
ONTARIO	9,510	98%	2%	0%	47,527	56.2	5.00	8.46
OREGON CITY	14,500	91%	6%	4%	131,893	76.1	9.10	17.32
PENDLETON	14,400	99%	1%	1%	111,969	83.6	7.78	13.40
PHILOMATH	2,640	100%	0%	0%	17,490	13.2	6.63	13.21
PHOENIX	2,510	100%	0%	0%	11,875	9.3	4.73	12.84

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars	Hundred
							Per Capita	Dollars Per Mile
PILOT ROCK	1,630	100%	0%	0%	14,175	2.9	8.70	49.05
POMERS	775	100%	0%	0%	7,069	7.2	9.12	9.83
PRAIRIE CITY	1,125	100%	0%	0%	5,668	8.0	5.04	7.00
PRESCOTT	70	100%	0%	0%	2,099	1.8	29.99	11.66
PRINEVILLE	5,410	100%	0%	0%	39,609	35.9	7.32	11.02
RAINIER	1,560	97%	3%	0%	14,046	11.8	9.00	11.95
REDMOND	6,740	100%	0%	0%	53,409	66.5	7.92	8.03
REEDSPORT	4,875	99%	1%	0%	31,165	20.9	6.39	14.88
RICHLAND	190	100%	0%	0%	1,394	2.6	7.34	5.32
RIDDLE	1,115	100%	0%	0%	8,520	11.0	7.64	7.75
ROCKAWAY	1,185	100%	0%	0%	16,356	23.9	13.80	6.83
ROGUE RIVER	1,440	100%	0%	0%	10,496	6.2	7.29	16.93
ROSEBURG	16,025	100%	0%	0%	117,158	96.8	7.31	12.11
SALEM	94,600	79%	21%	0%	628,941	463.1	6.65	13.58
SANDY	3,530	62%	38%	0%	32,766	29.8	9.20	11.01
SCAPPOOSE	3,410	100%	0%	0%	37,799	19.3	11.00	19.64
SCIO	590	100%	0%	0%	6,506	5.1	11.03	12.71
SCOTTS MILL	255	100%	0%	0%	1,757	7.0	6.89	2.52
SEASIDE	5,300	99%	0%	1%	47,595	31.3	8.98	15.23
SENECA	265	100%	0%	0%	1,546	2.8	5.84	5.54
SHADY COVE	1,190	100%	0%	0%	2,111	13.7	1.77	1.54
SHERIDAN	2,420	96%	3%	1%	19,625	16.1	8.11	12.18
SHERWOOD	2,685	61%	39%	0%	19,065	18.0	7.10	10.57
SILETZ	1,025	100%	0%	0%	5,987	8.7	5.84	6.90
SILVERTON	5,290	100%	0%	0%	39,613	25.3	7.49	15.64
SISTERS	740	100%	0%	0%	NA	12.1	NA	NA
STANFIELD	1,660	100%	0%	0%	12,320	12.1	7.42	10.20
STAYTON	4,815	100%	0%	0%	30,741	23.2	6.38	13.24
ST. HELENS	7,260	100%	0%	0%	68,829	33.0	9.48	20.86
ST. PAUL	330	96%	2%	1%	4,916	2.7	14.90	18.07
SUBLINITY	1,430	100%	0%	0%	10,953	8.0	7.66	13.71
SUMMERSVILLE	155	100%	0%	0%	1,663	2.0	10.73	8.23
SUMPTER	150	100%	0%	0%	2,686	9.5	17.91	2.82
SUTHERLIN	4,320	100%	0%	0%	36,981	36.8	8.56	10.04
SWEET HOME	6,800	100%	0%	0%	56,216	45.1	8.27	12.48
TALENT	2,660	100%	0%	0%	10,568	9.4	3.97	11.30
THE DALLES	10,900	100%	0%	0%	99,861	69.3	9.16	14.42
TIGARD	20,250	77%	23%	0%	93,319	88.2	4.61	10.58
TILLAMOOK	3,925	100%	0%	0%	27,540	23.8	7.02	11.59
TOLEDO	3,275	100%	0%	0%	48,490	22.9	14.81	21.19
TURNER	1,210	100%	0%	0%	11,589	12.8	9.58	9.07
UMATILLA	2,980	100%	0%	0%	21,658	28.8	7.27	7.51
UNION	2,120	100%	0%	0%	8,835	29.9	4.17	2.95
UNITY	110	100%	0%	0%	681	NA	6.19	NA

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
Sorted By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars	Hundred
							Per Capita	Dollars Per Mile
VALE	1,670	97%	3%	0%	13,851	18.3	8.29	7.57
VENETA	2,335	100%	0%	0%	7,960	18.0	3.41	4.43
WALDPOR	1,590	100%	0%	0%	12,059	15.7	7.58	7.68
WALLOWA	810	100%	0%	0%	5,640	8.3	6.96	6.80
WARRENTON	2,475	99%	0%	1%	18,481	42.9	7.47	4.31
WASCO	445	100%	0%	0%	361	7.4	0.81	0.49
WATERLOO	210	100%	0%	0%	1,915	3.6	9.12	5.27
WEST LINN	12,950	96%	4%	0%	145,231	85.6	11.21	16.96
WESTON	730	100%	0%	0%	7,758	11.4	10.63	6.78
WHEELER	350	100%	0%	0%	4,152	6.5	11.86	6.43
WILLAMINA	1,785	93%	7%	0%	18,333	11.7	10.27	15.66
WILSONVILLE	3,700	71%	27%	2%	67,579	106.3	18.26	6.35
WINSTON	3,380	81%	11%	8%	16,860	13.2	4.99	12.81
WOOD VILLAGE	2,595	100%	0%	0%	14,760	6.9	5.69	21.36
WOODBURN	11,700	100%	0%	0%	88,159	49.0	7.53	18.00
YACHTS	560	100%	0%	0%	5,423	9.7	9.68	5.61
YAMHILL	650	100%	0%	0%	6,720	6.6	10.34	10.17
TOTAL	830,855	-	-	-	\$6,544,482	4,985	-	-

PRIMARILY TYPE B

CONDON	720	0%	100%	0%	6,288	15.58	8.73	4.04
DURHAM	720	23%	77%	0%	6,315	3.7	8.77	17.07
GLADSTONE	9,570	0%	99%	1%	37,697	44.43	3.94	8.48
LAKE OSWEGO	24,200	1%	99%	0%	208,357	94.4	8.61	22.07
PORTLAND	379,000	0%	87%	13%	2,716,674	1800.01	7.17	15.09
SPRINGFIELD	40,690	0%	100%	0%	99,349	180.44	2.44	5.51
TUALATIN	10,350	20%	80%	0%	94,259	43.33	9.11	21.75
TOTAL	465,250	-	-	-	\$3,168,939	2,182	-	-

PRIMARILY TYPE C

ASHLAND	15,660	0%	0%	100%	16,109	86.04	1.03	1.87
BAKER	9,490	0%	0%	100%	28,025	88.05	2.95	3.18
BANDON	2,330	0%	0%	100%	19,485	25.46	8.36	7.65
CANBY	7,750	0%	0%	100%	13,589	49.92	1.75	2.72
CAVE JUNCTION	1,150	0%	0%	100%	3,079	11.89	2.68	2.59
CLATSKANIE	1,690	0%	0%	100%	4,686	9.96	2.77	4.70

TABLE II-E

CITY STREETLIGHT EXPENDITURE INDICATORS
Sorted By Ownership and Maintenance Arrangements

City	Population	Type A	Type B	Type C	Total Dollars	Total Miles	Dollars	
							Per Capita	Hundred Dollars Per Mile
EUGENE	106,100	0%	0%	100%	76,306	459.44	0.72	1.66
FOREST GROVE	11,750	0%	0%	100%	17,340	40.35	1.48	4.30
JOHNSON CITY	390	3%	3%	94%	1,863	1.37	4.78	13.60
MCMINNVILLE	15,175	0%	0%	100%	20,014	78.6	1.32	2.55
MEDFORD	41,975	43%	0%	57%	223,378	183.23	5.32	12.19
MILTON FREEWATER	5,850	0%	0%	100%	7,677	27.00	1.31	2.83
MONMOUTH	5,390	0%	0%	100%	14,635	23.5	2.72	6.23
TOTAL	224,700	-	-	-	446,187	1,085	-	-
GRAND TOTAL	1,520,805	47.83%	35.57%	16.61%	\$10,159,607	8,252	-	-

SUMMARY STATISTICS

	All Cities		Type A		Type B		Type C	
	100 \$/Capita	100 \$/Mile	100 \$/Capita	100 \$/Mile	100 \$/Capita	100 \$/Mile	100 \$/Capita	100 \$/Mile
Mean	8.22	10.30	8.67	10.65	6.97	13.43	2.86	5.08
Standard Deviation	4.08	6.19	3.91	6.01	2.49	6.92	2.07	3.73
Minimum	0.72	0.49	0.81	0.49	2.44	4.04	0.72	1.66
Maximum	29.95	49.05	29.99	49.05	9.11	22.07	8.36	13.60
Number of Cities	211		191		7		13	

Notes: Type A denotes Utility Owned and Maintained.
 Type B denotes City Owned and Utility Maintained.
 Type C denotes City Owned and Maintained.
 Ownership percentages are based on inventory distribution.
 NA indicates not available.

TABLE III-A

CENTRAL ELECTRIC INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
BEND	18,000	0	20	0	0	0	0	0	0	0	20
REDMOND	6,740	0	5	0	0	0	0	0	0	0	5
SISTERS	740	0	35	0	0	0	0	0	0	0	35
TOTAL	25,480	0	60	0	0	0	0	0	0	0	60

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
BEND	\$0	NA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NA	NA
REDMOND	0	NA	0	0	0	0	0	0	0	NA	NA
SISTERS	0	NA	0	0	0	0	0	0	0	NA	NA
TOTAL	\$0	NA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NA	NA

Note: NA indicates not available.

TABLE III-B

CENTRAL LINCOLN PUD INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Streetlight Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
DEPOE BAY	825	0	60	0	0	0	0	0	0	0	60
DUNES CITY	1,170	0	63	0	0	0	0	0	0	0	63
FLORENCE	4,645	0	289	0	0	0	0	0	0	0	289
LAKE SIDE	1,420	0	108	0	0	0	0	0	0	0	108
NEWPORT	8,350	0	734	0	0	0	0	0	0	0	734
REEDSPORT	4,075	0	303	0	0	3	0	0	0	0	306
SILETZ	1,025	0	53	0	0	0	0	0	0	0	53
TOLEDO	3,275	0	453	0	0	0	0	0	0	0	453
WALDPORT	1,590	0	119	0	0	0	0	0	0	0	119
YACHTS	560	0	58	0	0	0	0	0	0	0	58
TOTAL	27,735	0	2,240	0	0	3	0	0	0	0	2,243

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
DEPOE BAY	\$0	\$5,554	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$137	5,690
DUNES CITY	0	5,670	0	0	0	0	0	0	0	58	5,728
FLORENCE	0	26,740	0	0	0	0	0	0	0	1,964	28,704
LAKE SIDE	0	9,797	0	0	0	0	0	0	0	59	9,856
NEWPORT	0	68,969	0	0	0	0	0	0	0	6,461	75,430
REEDSPORT	0	27,932	0	0	166	0	0	0	0	3,067	31,165
SILETZ	0	4,837	0	0	0	0	0	0	0	1,150	5,987
TOLEDO	0	41,980	0	0	0	0	0	0	0	6,510	48,490
WALDPORT	0	10,969	0	0	0	0	0	0	0	1,090	12,059
YACHTS	0	5,249	0	0	0	0	0	0	0	174	5,423
TOTAL	\$0	\$207,696	\$0	\$0	\$166	\$0	\$0	\$0	\$0	\$20,669	\$228,530

TABLE III-E

COLUMBIA RIVER PUD INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
COLUMBIA CITY	750	0	0	0	16	0	0	0	0	0	16
PRESCOTT	70	19	1	0	0	0	0	0	0	0	20
RAINIER	1,560	4	1	0	0	0	0	0	0	0	5
SCAPPOOSE	3,410	145	6	0	0	0	0	0	0	0	151
ST. HELENS	7,260	34	6	0	0	0	0	0	0	0	40
TOTAL	13,050	202	14	0	16	0	0	0	0	0	232

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
COLUMBIA CITY	\$0	\$0	\$0	\$1,150	\$0	\$0	\$0	\$0	\$0	\$31	\$1,181
PRESCOTT	1,874	132	0	0	0	0	0	0	0	93	2,099
RAINIER	371	80	0	0	0	0	0	0	0	0	450
SCAPPOOSE	13,888	607	0	0	0	0	0	0	0	2,909	17,403
ST. HELENS	3,719	802	0	0	0	0	0	0	0	1,330	5,851
TOTAL	\$19,851	\$1,620	\$0	\$1,150	\$0	\$0	\$0	\$0	\$0	\$4,363	\$26,984

TABLE III-6

CP NATIONAL INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
BAKER	9,490	0	0	0	0	0	0	124	594	0	718
BURNS	2,830	0	45	0	0	0	0	0	0	0	45
CANYON CITY	610	27	40	0	0	0	0	0	0	0	67
COVE	530	11	20	0	0	0	0	0	0	0	31
DAYVILLE	205	0	27	0	0	0	0	0	0	0	27
ELGIN	1,765	0	138	0	0	0	0	0	0	0	138
HAINES	395	1	8	29	0	0	0	0	0	0	38
HINES	1,470	0	83	0	0	0	0	0	0	0	83
IMBLER	290	12	10	0	0	0	0	0	0	0	22
ISLAND CITY	730	22	16	0	0	0	0	0	0	0	38
JOHN DAY	1,985	51	79	0	0	0	0	0	0	0	130
LAGRANDE	12,230	116	440	0	0	0	0	0	0	0	556
LONG CREEK	245	0	40	0	0	0	0	0	0	0	40
MT. VERNON	620	0	50	0	0	0	0	0	0	0	50
NORTH POWDER	455	0	40	0	0	0	0	0	0	0	40
PRAIRIE CITY	1,125	0	43	0	0	0	0	0	0	0	43
SENECA	265	12	1	0	0	0	0	0	0	0	13
SUMMERVILLE	155	0	13	0	0	0	0	0	0	0	13
SUMPTER	150	0	21	0	0	0	0	0	0	0	21
UNION	2,120	27	42	0	0	0	0	0	0	0	69
TOTAL	37,665	279	1,156	29	0	0	0	124	594	0	2,182

TABLE III-6

CP NATIONAL INVENTORY AND EXPENDITURE

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
BAKER	\$0	\$0	\$0	\$0	\$0	\$0	\$5,874	\$22,152	\$0	\$0	\$28,025
BURNS	0	5,568	0	0	0	0	0	0	0	1,107	6,675
CANYON CITY	3,191	4,592	0	0	0	0	0	0	0	984	8,768
COVE	1,300	2,087	0	0	0	0	0	0	0	492	3,879
DAYVILLE	0	2,936	0	0	0	0	0	0	0	664	3,600
ELGIN	0	14,655	0	0	0	0	0	0	0	3,395	18,050
HAINES	118	952	2,217	0	0	0	0	0	0	197	3,484
HINES	0	8,805	0	0	0	0	0	0	0	2,042	10,847
IMBLER	1,418	1,200	0	0	0	0	0	0	0	246	2,865
ISLAND CITY	2,600	1,695	0	0	0	0	0	0	0	394	4,689
JOHN DAY	6,028	9,373	0	0	0	0	0	0	0	1,943	17,345
LAGRANDE	13,711	48,363	0	0	0	0	0	0	0	10,824	72,898
LONG CREEK	0	4,237	0	0	0	0	0	0	0	984	5,221
MT. VERNON	0	5,354	0	0	0	0	0	0	0	1,230	6,584
NORTH POWDER	0	4,362	0	0	0	0	0	0	0	984	5,346
PRAIRIE CITY	0	4,610	0	0	0	0	0	0	0	1,058	5,668
SENECA	1,418	103	0	0	0	0	0	0	0	25	1,546
SUMMERVILLE	0	1,343	0	0	0	0	0	0	0	320	1,663
SUMPTER	0	2,170	0	0	0	0	0	0	0	517	2,686
UNION	3,191	4,611	0	0	0	0	0	0	0	1,033	8,835
TOTAL	\$32,978	\$127,017	\$2,217	\$0	\$0	\$0	\$5,874	\$22,152	\$0	\$28,438	\$216,675

TABLE III-I

IDAHO POWER INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
ADRIAN	155	0	13	0	0	0	0	0	0	0	13
HALFWAY	410	8	31	0	0	0	0	0	0	0	39
HUNTINGTON	555	12	57	0	0	0	0	0	0	0	69
JORDAN VAL	445	5	19	0	0	0	0	0	0	0	24
NYSSA	2,890	34	163	0	0	0	0	0	0	0	197
ONTARIO	9,510	71	502	0	0	11	0	0	0	0	584
RICHLAND	190	1	18	0	0	0	0	0	0	0	19
UNITY	110	0	8	0	0	0	0	0	0	0	8
VALE	1,670	34	152	0	6	0	0	0	0	0	192
TOTAL	15,935	165	963	0	6	11	0	0	0	0	1,145

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
ADRIAN	\$0	\$905	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NA	905
HALFWAY	637	2,421	0	0	0	0	0	0	0	NA	3,058
HUNTINGTON	956	4,230	0	0	0	0	0	0	0	NA	5,187
JORDAN VAL	398	1,322	0	0	0	0	0	0	0	NA	1,721
NYSSA	2,709	12,057	0	0	0	0	0	0	0	NA	14,766
ONTARIO	5,657	41,103	0	0	767	0	0	0	0	NA	47,527
RICHLAND	80	1,315	0	0	0	0	0	0	0	NA	1,394
UNITY	0	681	0	0	0	0	0	0	0	NA	681
VALE	2,709	10,579	0	562	0	0	0	0	0	NA	13,851
TOTAL	\$13,147	\$74,613	\$0	\$562	\$767	\$0	\$0	\$0	\$0	NA	\$89,089

Note: NA indicates not available.

TABLE III-J

LANE ELECTRIC COOP INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
OAKRIDGE	3,580	295	0	0	0	0	0	0	0	0	295
VENETA	2,335	29	0	0	0	0	0	0	0	0	29
TOTAL	5,915	324	0	0	0	0	0	0	0	0	324

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
OAKRIDGE	\$29,936	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,936
VENETA	2,619	0	0	0	0	0	0	0	0	680	3,299
TOTAL	\$32,554	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$680	\$33,235

TABLE III-K

MUNICIPAL UTILITIES AND CITY DEPARTMENT INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
ASHLAND	15,660	0	0	0	0	0	0	2	1,368	16	1,386
BANDON	2,330	0	0	0	0	0	0	388	226	0	614
CANBY	7,750	0	0	0	0	0	0	0	551	0	551
EUGENE (EWEB)	106,100	0	0	0	0	0	0	0	5,175	68	5,243
FOREST GROVE	11,750	0	0	0	0	0	0	3	1,223	0	1,226
MCMINNVILLE	15,175	0	0	0	0	0	0	0	906	0	906
MILTON FREEWATER	5,850	0	0	0	0	0	0	0	463	0	463
MONMOUTH	5,390	0	0	0	0	0	0	0	282	3	285
SPRINGFIELD (SUB)	40,690	0	0	0	0	0	2,243	0	0	0	2,251
TOTAL	210,695	0	0	0	0	0	2,243	393	10,194	87	12,925

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
ASHLAND	\$0	\$0	\$0	\$0	\$0	\$0	\$181	\$15,583	\$345	\$0	\$16,109
BANDON	0	0	0	0	0	0	15,012	4,473	0	0	19,485
CANBY	0	0	0	0	0	0	0	13,589	0	0	13,589
EUGENE (EWEB)	0	0	0	0	0	0	0	69,974	6,332	0	76,306
FOREST GROVE	0	0	0	0	0	0	64	17,276	0	0	17,340
MCMINNVILLE	0	0	0	0	0	0	0	20,014	0	0	20,014
MILTON FREEWATER	0	0	0	0	0	0	0	7,677	0	0	7,677
MONMOUTH	0	0	0	0	0	0	0	14,255	380	0	14,635
SPRINGFIELD (SUB)	0	0	0	771	0	90,578	0	0	0	0	99,349
TOTAL	\$0	\$0	\$0	\$771	\$0	\$90,578	\$15,257	\$162,841	\$7,057	\$0	\$284,504

Note: Other category for Springfield includes primarily low pressure sodium vapor and some metal halide lights.
Other category for EWEB includes metal halide lights.
See next pages for expenditure methodology.

TABLE III-K

MUNICIPAL UTILITIES AND CITY DEPARTMENT INVENTORY AND EXPENDITURE

CALCULATION METHODS FOR MUNICIPAL UTILITIES AND CITY DEPARTMENTS

The worksheets below use PP&L's estimated consumption for each light type. Whichever light type applies, we multiply the KWH per lamp per month by the respective rate for each municipality; this gives \$ per light. We then multiply the number of lights for each light type to get monthly cost per light type.

Ashland, City of

Rate Charged to
the City:

1.83 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		70HPS	31	0.0183	0.57	183	183.82	1245.79
Cost:	HPSV: 15,583	100HPS	44	0.0183	0.81	752	605.51	7266.12
	MV: 181	150HPS	64	0.0183	1.17	303	354.87	4258.48
	I: 345	200HPS	85	0.0183	1.56	108	167.99	2015.93
		250HPS	115	0.0183	2.10	4	8.42	101.02
	Total: \$16,109	400HPS	176	0.0183	3.22	18	57.97	695.69
		1000MV	412	0.0183	7.54	2	15.08	180.95
		182 I *	66	0.0183	1.20	4	4.81	57.77
		300 I *	109	0.0183	2.00	12	23.97	287.70

* These figures are estimates based on 202W and 327W Incandescent lamps.

Bandon, City of

Rate Charged to
the City:

3.53 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.0353	1.55	211	327.73	3932.70
Cost:	HPSV: 4,473	200HPS	85	0.0353	3.00	15	45.01	540.09
	MV: 15,012	175MV	76	0.0353	2.68	326	874.59	10495.11
	Total: \$19,485	400MV	172	0.0353	6.07	62	376.44	4517.27

Canby, City of

Rate Charged to
the City:

2.91 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.0291	1.28	74	94.75	1137.00
Cost:	HPSV: 13,589	150HPS	64	0.0291	1.86	273	508.44	6101.22
		200HPS	85	0.0291	2.47	188	465.02	5580.22
		250HPS	115	0.0291	3.35	10	33.47	401.58
	Total: \$13,589	400HPS	176	0.0291	5.12	6	30.73	368.76

TABLE III-K

MUNICIPAL UTILITIES AND CITY DEPARTMENT INVENTORY AND EXPENDITURE

Forest Grove, City ofRate Charged to
the City:

1.83 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.0183	0.81	635	511.30	6135.62
Cost:	HPSV: 17,276	200HPS	85	0.0183	1.56	565	878.86	10546.29
	MV: 64	250HPS	115	0.0183	2.10	22	46.30	555.59
		400HPS	176	0.0183	3.22	1	3.22	38.65
	Total: \$17,340	175MV	76	0.0183	1.39	1	1.39	16.69
		250MV	108	0.0183	1.98	2	3.95	47.43

McMinnville Water & LightRate Charged to
the City:

2.42 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.0242	1.06	432	459.99	5519.92
Cost:	HPSV: 20,411	200HPS	85	0.0242	2.06	187	384.66	4615.91
	Total: \$20,411	250HPS	115	0.0242	2.78	248	690.18	8282.21
		400HPS	176	0.0242	4.26	39	166.11	1993.31

Milton FreewaterRate Charged to
the City:

1.73 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.0173	0.76	271	206.29	2475.42
Cost:	HPSV: 7,677	200HPS	85	0.0173	1.47	96	141.17	1694.02
	Total: \$7,677	400HPS	176	0.0173	3.04	96	292.30	3507.61

Monmouth, City ofRate Charged to
the City:

5.8 cents/KWH

		KWH/LT/MO	\$/KWH	\$/LT	# LTS	\$/MO	\$/YR	
Total Annual		100HPS	44	0.058	2.55	45	114.84	1378.08
Cost:	HPSV: 14,255	150HPS	64	0.058	3.71	148	549.38	6592.51
	Incan: 380	200HPS	85	0.058	4.93	68	335.24	4022.88
		250HPS	115	0.058	6.67	3	20.01	240.12
		400HPS	176	0.058	10.21	3	30.62	367.49
		360HPS *	158	0.058	9.19	15	137.81	1653.70
		500 I *	182	0.058	10.55	3	31.65	379.85
	Total: \$14,635							

* These figures are estimates based on 400W HPS and 448W Incandescent lamps.

TABLE III-L

NORTHERN WASCO PUD INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
THE DALLES	10,900	111	1,305	0	0	0	0	0	0	0	1,416
DUFUR	550	2	102	0	0	0	0	0	0	0	104
TOTAL	11,450	113	1,407	0	0	0	0	0	0	0	1,520

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
THE DALLES	\$11,085	\$88,776	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NA	\$99,861
DUFUR	175	6,177	0	0	0	0	0	0	0	NA	6,352
TOTAL	\$11,260	\$94,953	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NA	\$106,213

Note: NA indicates not available.

TABLE III-M

PGE INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
ST. HELENS	7,260	472	38	0	4	7	3	2	0	4	530
TIGARD	20,250	337	246	0	155	22	0	0	0	0	760
TUALATIN	10,350	179	18	0	617	180	0	0	0	0	994
TURNER	1,210	83	5	0	0	0	0	0	0	0	88
WEST LINN	12,950	937	263	0	3	47	0	0	0	0	1,252
WILLAMINA	1,785	147	3	0	9	2	0	0	0	0	161
WILSONVILLE	3,700	124	202	0	71	52	0	0	11	0	460
WOOD VILLAGE	2,595	94	24	0	0	0	0	0	0	0	118
WOODBURN	11,700	605	125	0	0	0	0	0	0	0	730
YAMHILL	650	63	0	0	0	0	0	0	0	0	63
TOTAL	794,355	15,997	3,447		16,401	21,634	4	1,776	3,430	155	62,844

TABLE III-M

PGE INVENTORY AND EXPENDITURE

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
AMITY	\$8,492	\$925	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,374	\$10,791
AURORA	6,812	622	0	0	0	0	0	0	0	186	7,619
BANKS	5,625	0	0	0	0	0	0	0	0	409	6,034
BARLOW	1,561	0	0	0	0	0	0	0	0	0	1,561
BEAVERTON	169,681	35,331	0	1,366	14,746	0	0	15,879	0	123,340	360,343
CARLTON	11,774	118	0	0	0	0	0	0	0	186	12,078
COLUMBIA CITY	0	0	0	4,645	443	42	0	0	0	96	5,227
CORNELIUS	15,754	1,113	0	8,756	0	0	0	0	0	5,442	31,065
DAYTON	8,284	436	0	863	0	0	0	0	44	307	9,934
DONALD	3,415	0	0	0	0	0	0	0	0	124	3,538
DUNDEE	6,401	2,338	0	359	0	0	0	0	0	1,065	10,164
DURHAM	2,138	0	0	3,378	415	0	0	0	0	384	6,715
ESTACADA	13,074	2,202	0	0	0	0	0	0	0	805	10,074
FAIRVIEW	8,881	925	0	575	986	0	0	0	0	299	11,665
GASTON	4,816	145	0	0	0	0	0	0	0	45	5,007
GERVAIS	5,366	1,397	0	0	0	0	0	0	0	217	6,960
GLADSTONE	0	156	0	29,452	4,810	0	149	0	72	3,056	37,697
GRESHAM	177,395	29,194	0	28,383	28,901	0	0	0	0	62,289	326,162
HILLSBORO	172,384	33,936	0	0	7,146	0	0	0	0	124,552	338,019
HUBBARD	13,304	912	0	0	0	0	0	0	0	2,205	16,420
JOHNSON CITY	98	0	0	72	0	0	1,693	0	0	0	1,863
KEIZER	4,441	1,398	0	0	0	0	0	0	0	93	5,933
KING CITY	1,732	73	0	0	0	0	0	0	309	186	2,299
LAFAYETTE	11,022	236	0	0	0	0	0	0	22	1,078	12,359
LAKE OSWEGO	2,752	139	0	156,842	24,794	0	0	0	0	23,831	208,357
MILWAUKIE	190,178	7,317	0	7,433	2,423	0	0	0	0	32,427	239,779
MOLALLA	28,331	1,612	0	2,013	184	0	0	0	0	4,050	36,190
MT. ANGEL	13,991	2,251	0	0	0	0	0	0	0	583	16,825
NEWBERG	44,792	2,574	0	18,258	2,934	0	214	0	0	10,687	79,459
NORTH PLAINS	5,388	375	0	0	0	0	0	0	0	124	5,886
OREGON CITY	101,886	11,007	0	3,163	1,256	0	50	1,162	0	13,370	131,893
PORTLAND	1,561	0	0	858,966	1,298,249	0	149,760	147,634	25,059	235,446	2,716,674
RAINIER	12,607	375	0	0	230	0	0	0	0	384	13,596
SALEM	278,423	99,525	0	33,929	55,059	0	274	62	0	94,081	561,354
SANDY	19,609	3,735	0	5,607	1,566	0	0	0	0	2,251	32,766
SCAPPOOSE	16,051	1,958	0	0	0	0	0	0	0	2,386	20,396
SCOTTS MILL	0	1,695	0	0	0	0	0	0	0	62	1,757
SHERIDAN	16,648	2,089	0	359	0	0	0	0	145	383	17,175
SHERWOOD	8,215	4,727	0	4,097	783	0	0	0	0	1,242	19,065
SILVERTON	31,792	6,400	0	0	0	0	0	0	0	1,421	39,613
ST. PAUL	4,583	302	0	0	0	0	0	0	0	31	4,916
ST. HELENS	55,449	3,722	0	288	323	357	214	0	210	2,415	62,978
TIGARD	42,725	24,785	0	11,750	1,069	0	0	0	0	12,990	93,319

TABLE III-M

PGE INVENTORY AND EXPENDITURE

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
TUALATIN	21,719	1,997	0	44,583	10,391	6,071	0	0	0	9,497	94,259
TURNER	9,415	453	0	0	0	0	0	0	0	1,721	11,509
WEST LINN	98,065	21,150	0	216	2,319	0	0	0	0	23,481	145,231
WILLAMINA	16,497	354	0	647	110	0	0	0	0	725	18,333
WILSONVILLE	13,060	16,601	0	6,620	2,471	0	0	228	0	28,598	67,579
WOOD VILLAGE	10,787	2,238	0	0	0	0	0	0	0	1,734	14,760
WOODBURN	63,713	10,963	0	0	0	0	0	0	0	13,483	88,159
YAMHILL	6,565	0	0	0	0	0	0	0	0	155	6,720
TOTAL	\$1,767,255	\$339,805	\$0	\$1,232,619	\$1,461,607	\$6,471	\$152,354	\$164,965	\$25,862	\$845,297	\$5,996,234

TABLE III-N
PP&L INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
ADAMS	245	26	2	0	0	0	0	0	0	0	28
ALBANY	27,900	2,160	785	0	0	90	0	0	1	0	3,036
ARLINGTON	450	30	54	0	0	0	0	0	0	0	84
ASTORIA	9,820	304	347	134	38	3	0	0	0	4	830
ATHENA	955	117	14	0	0	0	0	0	0	0	131
AUMSVILLE	1,480	107	9	0	0	0	0	0	0	0	116
BEND	18,000	354	374	312	0	0	0	13	0	0	1,053
BONANZA	325	33	9	0	0	0	0	0	0	0	42
BROWNSVILLE	1,255	43	35	28	0	0	0	0	0	0	106
BUTTE FALLS	450	35	3	0	0	0	0	0	0	0	38
CANNON BEACH	1,250	50	46	58	0	0	0	0	0	0	154
CANYONVILLE	1,270	64	18	0	0	0	0	0	0	0	82
CAVE JUNCTION	1,150	0	0	0	0	0	0	55	13	0	68
CENTRAL POINT	6,740	345	17	1	0	0	0	0	0	0	363
CHILOQUIN	770	94	2	0	0	0	0	0	0	0	96
COBURG	650	52	11	0	0	0	0	0	0	0	63
COQUILLE	4,220	237	159	0	0	0	0	0	0	0	396
COOS BAY	14,695	352	360	0	0	0	0	0	190	0	902
CORVALLIS	41,580	1,010	921	0	0	0	0	0	43	0	1,974
COTTAGE GROVE	7,090	335	98	0	0	0	0	0	0	0	433
CRESWELL	1,895	92	29	0	0	0	0	0	0	0	121
DALLAS	8,950	390	79	0	0	0	0	0	0	0	469
EAGLE POINT	3,010	171	39	0	0	0	0	0	0	0	210
ECHO	605	67	6	0	0	0	0	0	0	0	73
ENTERPRISE	2,070	95	59	0	0	0	0	0	0	0	154
FALLS CITY	780	42	3	0	0	0	0	0	0	0	45
GATES	500	15	24	0	0	0	0	0	0	0	39
GEARHART	1,000	39	21	46	0	0	0	0	0	0	106
GLENDALE	720	34	6	62	0	0	0	0	0	0	102
GOLD HILL	910	0	61	0	0	0	0	0	0	0	61
GRANTS PASS	15,350	1,005	78	0	0	0	0	0	0	0	1,083
GRASS VALLEY	180	25	0	0	0	0	0	0	0	0	25
HALSEY	680	6	17	54	0	0	0	0	0	0	77
HAMMOND	525	29	4	29	0	0	0	0	0	0	62
HARRISBURG	1,840	89	23	1	0	0	0	0	0	0	113
HELIX	155	20	0	0	0	0	0	0	0	0	20
HERMISTON	9,890	354	162	0	0	0	0	0	0	0	516
HOOD RIVER	4,490	59	2	79	3	0	0	0	0	0	141
INDEPENDENCE	4,145	185	16	25	0	0	0	0	0	0	226
JACKSONVILLE	1,990	24	106	4	0	0	0	0	0	0	134

TABLE III-N
PP&L INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY											
City	Population	Utility Owned and Maintained			City Owned. Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
TALENT	2,660	75	30	0	0	0	0	0	0	0	105
UMATILLA	2,980	184	19	0	0	0	0	0	0	0	203
WALLOWA	810	0	50	0	0	0	0	0	0	0	50
WARRENTON	2,475	52	32	118	0	0	0	0	3	0	205
WASCO	445	4	0	0	0	0	0	0	0	0	4
WATERLOO	210	16	2	0	0	0	0	0	0	0	18
WESTON	730	70	11	0	0	0	0	0	0	0	61
WINSTON	3,380	111	47	0	21	0	0	16	0	0	195
TOTAL	400,930	16,205	8,080	1,407	119	118	0	380	1,714	7	28,030

TABLE III-N

PP&L INVENTORY AND EXPENDITURE

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
ADAMS	\$2,178	\$158	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$165	\$2,500
ALBANY	204,916	95,466	0	0	5,371	0	0	115	0	9,662	315,529
ARLINGTON	2,488	4,883	0	0	0	0	0	0	0	25	7,396
ASTORIA	44,246	28,478	4,761	6,026	251	0	0	0	96	9,888	93,746
ATHENA	10,970	1,351	0	0	0	0	0	0	0	274	12,594
AUMSVILLE	10,239	835	0	0	0	0	0	0	0	778	11,852
BEND	53,332	40,211	28,988	0	0	0	418	0	0	2,061	125,010
BONANZA	2,764	770	0	0	0	0	0	0	0	0	3,534
BROWNSVILLE	4,610	3,661	1,035	0	0	0	0	0	0	113	9,419
BUTTE FALLS	2,932	237	0	0	0	0	0	0	0	73	3,241
CANNON BEACH	4,994	3,776	4,728	0	0	0	0	0	0	341	13,841
CANYONVILLE	5,361	2,008	0	0	0	0	0	0	0	40	7,409
CAVE JUNCTION	0	0	0	0	0	0	2,782	297	0	0	3,079
CENTRAL POINT	30,931	1,340	64	0	0	0	0	0	1,665	1,394	35,414
CHILOQUIN	8,545	182	0	0	0	0	0	0	0	668	9,396
COBURG	6,573	1,412	0	0	0	0	0	0	0	147	8,133
COQUILLE	19,851	20,527	0	0	0	0	0	0	0	693	41,071
COOS BAY	29,551	49,165	0	0	0	0	0	17,736	0	1,529	97,961
CORVALLIS	99,583	112,672	0	0	0	0	0	1,796	0	6,520	220,571
COTTAGE GROVE	36,116	10,272	0	0	0	0	0	0	0	3,764	50,151
CRESWELL	8,552	2,564	0	0	0	0	0	0	0	249	11,365
DALLAS	39,615	8,498	0	0	0	0	0	0	0	2,303	50,416
EAGLE POINT	14,883	4,326	0	0	0	0	0	0	0	928	20,138
ECHO	6,015	530	0	0	0	0	0	0	0	352	6,897
ENTERPRISE	7,957	7,003	0	0	0	0	0	0	0	106	15,066
FALLS CITY	3,968	293	0	0	0	0	0	0	0	11	4,293
GATES	1,256	2,871	0	0	0	0	0	0	0	79	4,207
GEARHART	3,535	1,668	3,218	0	0	0	0	0	0	270	8,691
GLENDALE	2,848	533	4,189	0	0	0	0	0	0	224	7,794
GOLD HILL	6,190	0	0	0	0	0	0	0	0	0	6,190
GRANTS PASS	112,777	7,878	0	0	0	0	0	0	0	10,252	130,907
GRASS VALLEY	2,094	0	0	0	0	0	0	0	0	0	2,094
HALSEY	570	2,002	4,899	0	0	0	0	0	0	11	7,482
HAMMOND	2,429	351	1,716	0	0	0	0	0	0	172	4,668
HARRISBURG	10,184	2,511	38	0	0	0	0	0	0	345	13,078
HELIX	1,675	0	0	0	0	0	0	0	0	40	1,715
HERMISTON	30,390	19,002	0	0	0	0	0	0	0	574	49,967
HOOD RIVER	4,942	7,035	352	390	0	0	0	0	0	389	13,108
INDEPENDENCE	19,124	1,411	1,497	0	0	0	0	0	0	2,017	24,049
JACKSONVILLE	2,043	9,007	158	0	0	0	0	0	0	73	11,280
JEFFERSON	6,198	1,498	0	0	0	0	0	0	0	158	7,855

TABLE III-N

PP&L INVENTORY AND EXPENDITURE

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
JOSEPH	3,192	0	0	0	0	0	0	0	0	0	3,192
JUNCTION CITY	21,184	3,470	0	0	0	0	0	0	0	454	25,108
KLAMATH FALLS	51,888	9,563	11,965	5,748	1,044	0	396	17,393	640	4,985	103,623
LAKEVIEW	12,899	11,292	0	0	0	0	0	0	0	1,811	26,002
LEBANON	52,847	16,127	0	0	0	0	0	0	0	2,983	71,957
LINCOLN CITY	45,215	60,175	0	0	0	0	0	0	0	1,012	106,402
LOSTINE	1,340	0	0	0	0	0	0	0	0	0	1,340
LYONS	4,680	552	0	0	0	0	0	0	0	353	5,585
MADRAS	3,250	11,744	0	0	0	0	0	0	0	143	15,138
MALIN	1,510	271	1,854	0	0	0	0	0	0	18	3,653
MEDFORD	92,806	23,949	3,900	0	0	0	17,672	70,070	561	14,420	223,378
MERRILL	6,955	91	0	0	0	0	0	0	0	370	7,415
METOLIUS	503	2,062	0	0	0	0	0	0	0	20	2,58
MILL CITY	10,293	5,155	0	0	0	0	0	0	0	2,790	18,23
MILLERSBURG	8,099	3,359	0	0	0	0	0	0	0	617	12,076
MONROE	2,363	1,107	0	0	0	0	0	0	0	29	3,499
MORO	3,434	0	0	0	0	0	0	0	0	0	3,434
MYRTLE CREEK	7,873	9,969	0	0	0	0	0	0	0	620	18,463
MYRTLE POINT	14,490	15,741	0	0	0	0	0	0	0	66	30,298
NORTH BEND	33,923	42,165	0	0	0	0	0	0	0	2,175	78,263
OAKLAND	2,951	2,443	0	0	0	0	0	0	0	211	5,606
PENDLETON	54,780	51,403	1,335	563	0	0	0	0	0	3,889	111,969
PHILOMATH	3,267	9,621	4,457	0	0	0	0	0	0	145	17,490
PHOENIX	3,963	7,493	135	0	0	0	0	0	0	284	11,875
PILOT ROCK	12,401	1,170	75	0	0	0	0	0	0	529	14,175
POWERS	3,183	3,867	0	0	0	0	0	0	0	20	7,069
PRINEVILLE	15,111	24,171	0	0	0	0	0	0	0	327	39,609
REDMOND	17,032	20,820	5,376	0	0	0	0	0	0	2,181	53,409
RIDDLE	3,937	4,273	0	0	0	0	0	0	0	310	8,520
ROGUE RIVER	8,830	879	135	0	0	0	0	0	0	652	10,496
ROSEBURG	75,344	36,649	0	0	0	0	0	0	0	5,165	117,158
SCIO	0	6,506	0	0	0	0	0	0	0	0	6,506
SEASIDE	6,320	40,441	182	0	0	0	0	115	0	537	47,595
SHADY COVE	1,659	400	0	0	0	0	0	0	0	44	2,111
STANFIELD	8,546	3,100	0	0	0	0	0	0	0	666	12,320
STAYTON	28,106	0	0	0	0	0	0	0	0	2,635	30,741
SUBLIMITY	6,567	3,876	0	0	0	0	0	0	0	509	10,953
SUTHERLIN	30,015	5,254	0	0	0	0	0	0	0	1,712	36,9
SWEET HOME	29,541	25,236	0	0	0	0	0	0	0	1,439	56,210
TALENT	6,302	3,719	0	0	0	0	0	0	0	467	10,568
UMATILLA	18,705	1,636	0	0	0	0	0	0	0	1,318	21,658

TABLE III-N

PP&L INVENTORY AND EXPENDITURE

ANNUAL EXPENDITRE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
WALLOWA	5,640	0	0	0	0	0	0	0	0	0	5,640
WARRENTON	5,296	2,649	9,987	0	0	0	0	225	0	325	18,481
WASCO	335	0	0	0	0	0	0	0	0	26	361
WATERLOO	1,609	227	0	0	0	0	0	0	0	79	1,915
WESTON	6,481	1,152	0	0	0	0	0	0	0	125	7,758
WINSTON	6,874	6,926	0	1,375	0	0	1,359	0	0	326	16,860
TOTAL	\$1,609,069	\$945,102	\$95,043	\$14,102	\$6,666	\$0	\$22,626	\$107,747	\$2,981	\$113,476	\$2,916,813

TABLE III-0

SALEM ELECTRIC INVENTORY AND EXPENDITURE

STREETLIGHT INVENTORY

City	Population	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Total Inventory
		MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other	
KEIZER	19,800	0	368	0	0	15	0	0	0	0	383
SALEM	94,600	0	625	0	0	146	0	0	0	0	771
TOTAL	114,400	0	993	0	0	161	0	0	0	0	1,154

ANNUAL EXPENDITURE (dollars per year)

City	Utility Owned and Maintained			City Owned, Utility Maintained			City Owned and Maintained			Annual Pole Charge	Total Expenditure by City
	MV	HPSV	Other	MV	HPSV	Other	MV	HPSV	Other		
KEIZER	\$0	\$29,494	\$0	\$0	\$662	\$0	\$0	\$0	\$0	\$0	\$30,156
SALEM	0	55,043	0	0	9,280	0	0	0	0	0	64,323
TOTAL	\$0	\$84,537	\$0	\$0	\$9,942	\$0	\$0	\$0	\$0	\$0	\$94,479

TABLE IV-A

WEIGHTED LUMEN DISTRIBUTIONS BY CITY
(in thousand lumens)

City	Range 1: 1,000 - 4,000		Range 2: 5,000 - 8,000		Range 3: 9,500 - 16,000		Range 4: 20,500 - 22,500		Range 5: 25,500 - 34,000		Range 6: 48,000 - 55,000		Range 7: 100,000		City Totals	
	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens
ISLAND CITY	0	0	22	150	14	154	2	43	0	0	0	0	0	0	38	347
JACKSONVILLE	3	10	118	665	2	22	11	236	0	0	0	0	0	0	134	1,074
JEFFERSON	0	0	93	634	0	0	0	0	0	0	0	0	0	0	93	634
JOHN DAY	0	0	51	348	21	231	58	1,253	0	0	0	0	0	0	130	1,831
JOHNSON CITY	0	0	36	245	0	0	0	0	0	0	0	0	0	0	36	245
JORDAN VALLEY	0	0	5	34	19	209	0	0	0	0	0	0	0	0	24	243
JOSEPH	0	0	25	170	0	0	9	194	0	0	0	0	0	0	34	365
JUNCTION CITY	0	0	178	1,214	18	110	60	1,296	0	0	0	0	0	0	248	2,620
KEIZER	0	0	0	0	372	4,083	19	410	0	0	16	777	0	0	407	5,271
KING CITY	7	23	1	7	0	0	11	238	0	0	0	0	0	0	19	267
KLAMATH FALLS	156	510	600	4,092	129	1,416	131	2,829	3	78	123	5,972	0	0	1,142	14,897
LA FAYETTE	1	3	92	627	0	0	15	324	0	0	0	0	0	0	108	955
LAGRANDE	0	0	116	791	301	3,304	139	3,082	0	0	0	0	0	0	556	7,097
LAKE OSWEGO	0	0	1,046	12,589	143	1,570	262	5,659	23	596	47	2,282	0	0	2,321	22,655
LAKE SIDE	0	0	0	0	100	1,090	8	173	0	0	0	0	0	0	108	1,270
LAKEVIEW	0	0	175	1,193	0	0	71	1,534	0	0	0	0	0	0	246	2,727
LEBANON	0	0	264	1,800	14	154	284	6,134	0	0	34	1,651	0	0	596	9,739
LEXINGTON	0	0	19	130	12	132	0	0	0	0	0	0	0	0	31	261
LINCOLN CITY	0	0	543	3,783	57	626	10	216	158	4,095	126	6,118	0	0	894	14,758
LONE ROCK	0	0	0	0	3	33	0	0	0	0	0	0	0	0	3	33
LONG CREEK	0	0	0	0	35	384	5	100	0	0	0	0	0	0	40	492
LOSTINE	0	0	16	109	0	0	0	0	0	0	0	0	0	0	16	109
WELL	0	0	1	7	18	190	4	86	0	0	0	0	0	0	23	291
JNS	0	0	7	48	0	0	31	670	0	0	0	0	0	0	38	717
MADRAS	0	0	38	259	43	472	53	1,145	0	0	0	0	0	0	134	1,876
MALIN	2	7	30	205	0	0	12	259	0	0	0	0	0	0	44	470
MANZANITA	0	0	0	0	64	703	15	324	0	0	0	0	0	0	79	1,027
MCHINNIVILLE	0	0	0	0	432	4,742	187	4,039	248	6,428	39	1,894	0	0	906	17,103
MEDFORD	19	62	1,106	7,542	900	10,757	314	6,782	0	0	283	13,741	0	0	2,702	38,085
MERRILL	0	0	56	382	1	11	15	324	0	0	0	0	0	0	72	717
METOLIUS	0	0	31	211	1	11	0	0	0	0	0	0	0	0	32	222
MILL CITY	0	0	105	716	4	44	44	950	0	0	0	0	0	0	153	1,710
MILLERSBURG	0	0	24	164	0	0	65	1,404	0	0	0	0	0	0	89	1,568
MILTON-FREEMAN	0	0	0	0	271	2,975	96	2,074	0	0	96	4,661	0	0	463	9,709
MILWAUKIE	0	0	1,434	9,779	57	626	389	8,482	2	52	20	971	0	0	1,902	19,830
MOLALLA	0	0	103	1,248	8	88	92	1,987	2	52	0	0	0	0	285	3,375
MONMOUTH	0	0	0	0	193	2,119	68	1,469	3	78	3	146	0	0	267	3,811
MONROE	0	0	27	184	1	11	0	173	0	0	0	0	0	0	36	368
MORO	0	0	41	280	0	0	0	0	0	0	0	0	0	0	41	280
MT. ANSEL	0	0	99	675	2	22	44	950	1	26	0	0	0	0	146	1,673
MT. VERNON	0	0	0	0	41	450	9	194	0	0	0	0	0	0	50	644
MYRTLE CREEK	0	0	190	1,296	7	77	13	281	0	0	0	0	0	0	210	1,653
MYRTLE POINT	0	0	102	1,241	35	384	84	1,814	0	0	2	97	0	0	303	3,537
NEHALEM	0	0	0	0	31	340	24	510	0	0	0	0	0	0	55	859
NEWBERG	0	0	643	4,385	4	44	97	2,095	1	26	2	97	0	0	747	6,647

TABLE IV-A

WEIGHTED LUMEN DISTRIBUTIONS BY CITY
(in thousand lumens)

City	Range 1: 1,000 - 4,000		Range 2: 5,000 - 8,000		Range 3: 9,500 - 16,000		Range 4: 20,500 - 22,500		Range 5: 25,500 - 34,000		Range 6: 48,000 - 55,000		Range 7: 100,000		City Totals	
	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumens	Lights	Lumen	Lights	Lumens
SUMMERSVILLE	0	0	0	0	13	143	0	0	0	0	0	0	0	0	13	143
SUMPTER	0	0	0	0	21	231	0	0	0	0	0	0	0	0	21	231
SUTHERLIN	0	0	246	1,678	0	0	180	2,160	0	0	0	0	0	0	346	3,837
SWEET HOME	0	0	323	2,283	16	176	56	1,210	0	0	76	3,690	0	0	471	7,278
TALENT	0	0	81	552	1	11	22	475	0	0	1	49	0	0	185	1,887
THE DALLES	0	0	1,857	7,208	0	0	296	6,393	0	0	63	3,059	0	0	1,416	16,660
TIGARD	0	0	490	3,342	36	395	187	4,039	14	363	33	1,602	0	0	760	9,741
TILLAMOOK	0	0	0	0	162	1,778	111	2,397	0	0	0	0	0	0	273	4,176
TOLEDO	0	0	0	0	327	3,589	126	2,721	0	0	0	0	0	0	453	6,311
TUALATIN	0	0	852	5,810	4	44	128	2,765	45	1,166	1	49	0	0	1,030	9,834
TURNER	0	0	61	416	4	44	23	497	0	0	0	0	0	0	88	957
UMATILLA	0	0	150	1,023	2	22	51	1,102	0	0	0	0	0	0	203	2,146
UNION	0	0	27	184	29	318	13	281	0	0	0	0	0	0	69	783
UNITY	0	0	0	0	0	0	8	173	0	0	0	0	0	0	8	173
VALE	0	0	34	232	152	1,669	6	130	0	0	0	0	0	0	192	2,030
VENETA	0	0	26	177	51	560	15	324	0	0	2	97	0	0	94	1,158
WALDPART	0	0	0	0	92	1,010	27	583	0	0	0	0	0	0	119	1,593
WALLOWA	0	0	44	300	0	0	16	346	0	0	0	0	0	0	60	646
WARRENTON	93	384	92	627	1	11	16	346	3	78	0	0	0	0	205	1,366
WASCO	0	0	4	27	0	0	0	0	0	0	0	0	0	0	4	27
WATERLOO	0	0	12	82	1	11	5	108	0	0	0	0	0	0	18	201
WEST LINN	0	0	1,015	6,922	104	1,142	129	2,786	1	26	1	49	0	0	1,250	10,924
WESTON	0	0	60	409	0	0	21	454	0	0	0	0	0	0	81	863
WHEELER	0	0	0	0	32	351	10	216	0	0	0	0	0	0	42	567
WILLAMINA	0	0	120	818	2	22	39	842	0	0	0	0	0	0	161	1,683
WILSONVILLE	0	0	378	2,578	4	44	73	1,577	1	26	4	194	0	0	460	4,419
WINSTON	0	0	136	927	3	33	20	432	0	0	36	1,748	0	0	195	3,140
WOODBURN	0	0	70	477	14	154	33	713	1	26	0	0	0	0	118	1,370
YACHTS	0	0	579	3,948	69	757	68	1,469	5	130	9	437	0	0	730	6,741
YAMHILL	0	0	0	0	55	604	3	65	0	0	0	0	0	0	58	669
YAMHILL	0	0	56	382	0	0	7	151	0	0	0	0	0	0	63	533
TOTAL	1,383	4,518	52,988	361,346	33,501	367,740	19,540	422,844	2,916	75,583	3,925	198,574	136	13,600	114,389	1,435,406

Notes: Total lumens in each category were derived by multiplying the total lights by the weighted lumen estimates shown below:

Lumen Range	Weighted Lumen Estimate	Light Types In This Range
1,000-4,000	3,267	I92, I182, I300
5,000-8,000	6,819	H78, MV175, I485, L55
9,500-16,000	18,977	H100, H150, MV250, I690, L90, MH175
20,500-22,500	21,599	M200, MV400, L135, MH250
25,000-34,000	25,920	H250, L180, MH400
48,000-55,000	48,554	H400, MV100
100,000	100,000	MH1000

The weighted lumen estimates are based on the number of lights for each light type that fit into the respective lumen category.

TABLE IV-B.1

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted In Alphabetical Order

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
ADAIR	560	2.5	40	288	513	114
ADAMS	245	3.9	28	191	779	49
ADRIAN	155	2.2	13	143	921	64
ALBANY	27,900	154.0	3,081	36,789	1,319	239
AMITY	1,040	10.4	85	936	900	90
ARLINGTON	450	13.0	84	795	1,766	61
ASHLAND	15,660	86.0	1,386	16,288	1,040	189
ASTORIA	9,820	54.4	830	10,109	1,029	186
ATHENA	955	8.1	131	1,411	1,477	174
AUMSVILLE	1,480	7.1	116	1,106	747	156
AURORA	525	4.8	67	731	1,393	152
BAKER	9,490	88.1	718	12,739	1,342	145
BANDON	2,330	25.5	614	6,202	2,662	244
BANKS	495	2.3	46	595	1,201	257
BARLOW	100	1.1	16	109	1,091	104
BAY CITY	1,100	14.5	107	1,270	1,155	80
BEAVERTON	33,950	132.2	2,831	28,305	834	214
BEND	18,000	125.6	1,073	10,981	610	87
BONANZA	325	6.7	42	307	945	46
BROWNSVILLE	1,255	16.1	106	1,089	868	68
BURNS	2,830	27.2	45	961	340	35
BUTTE FALLS	450	3.1	38	259	576	84
CANBY	7,750	49.9	551	8,420	1,086	169
CANNON BEACH	1,250	14.2	154	1,064	851	75
CANYON CITY	610	8.6	67	857	1,405	100
CANYONVILLE	1,270	10.2	82	715	563	70
CARLTON	1,270	9.7	113	958	754	99
CAVE JUNCTION	1,150	11.9	68	493	429	41
CENTRAL POINT	6,740	37.0	363	3,226	479	87
CHILQUIN	770	9.8	96	811	1,053	83
CLATSKANIE	1,690	10.0	161	1,554	919	156
COBURG	650	7.2	63	1,063	1,635	147
COLUMBIA CITY	750	9.8	88	670	894	68
CONDON	720	15.6	130	953	1,324	61
COOS BAY	14,695	77.6	902	17,614	1,199	227
COQUILLE	4,220	23.3	396	4,795	1,136	206
CORNELIUS	5,050	23.7	274	2,467	489	104
CORVALLIS	41,580	165.8	2,098	29,903	719	100
COTTAGE GROVE	7,090	41.1	433	5,275	744	120
COVE	530	6.6	31	305	576	46
CRESWELL	1,895	10.5	121	1,032	545	99
DALLAS	8,950	43.3	469	5,346	597	123
DAYTON	1,390	8.9	100	793	571	69
DAYVILLE	205	2.6	27	371	1,808	140
DEPOE BAY	825	12.9	60	829	1,004	64
DETROIT	400	7.7	72	594	1,486	77

TABLE IV-B.1

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted In Alphabetical Order

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
DONALD	275	2.8	35	239	868	86
DUFUR	550	7.4	104	813	1,478	111
DUNDEE	1,380	12.9	102	715	518	55
DUNES CITY	1,170	19.5	63	692	591	36
DURHAM	720	3.7	73	616	856	167
EAGLE POINT	3,010	12.1	210	1,831	608	151
ECHO	605	6.2	73	601	994	97
ELGIN	1,765	16.9	138	1,717	973	101
ENTERPRISE	2,070	18.7	154	1,582	764	85
ESTACADA	1,910	16.0	133	1,568	821	98
EUGENE	106,100	459.4	5,243	88,893	838	193
FAIRVIEW	1,850	11.6	110	1,315	711	114
FALLS CITY	700	11.3	45	425	545	38
FLORENCE	4,645	31.1	289	3,957	852	127
FOREST GROVE	11,750	40.4	1,226	19,843	1,689	492
FOSSIL	530	8.1	75	511	965	63
GARIBALDI	1,070	10.2	69	874	817	85
GASTON	560	4.0	44	477	853	121
GATES	500	5.4	39	521	1,043	96
GEARHART	1,000	14.3	106	623	623	44
GERVAIS	745	6.1	73	531	713	87
GLADSTONE	9,570	44.4	492	3,872	405	87
GLENDALE	720	5.8	102	496	689	86
GOLD HILL	910	10.4	61	821	902	79
GRANTS PASS	15,350	70.9	1,083	12,606	821	178
GRASS VALLEY	180	4.3	25	170	947	40
GRESHAM	37,480	145.5	2,821	28,497	760	196
HAINES	395	7.0	38	253	641	36
HALFWAY	410	3.2	39	575	1,403	178
HALSEY	680	8.5	77	523	769	62
HAMMOND	525	8.1	62	332	633	41
HARRISBURG	1,840	16.0	113	1,543	839	96
HELIX	155	2.1	20	136	880	66
HEPPNER	1,385	13.6	162	1,991	1,437	146
HERMISTON	9,890	62.5	516	4,975	503	80
HILLSBORO	30,270	112.9	2,069	21,458	709	190
HINES	1,470	11.5	83	1,028	699	90
HOOD RIVER	4,490	31.0	143	804	179	26
HUBBARD	1,760	11.4	140	1,172	666	103
HUNTINGTON	555	8.4	69	888	1,600	106
IDANHA	345	5.9	30	278	807	47
IMBLER	290	3.9	22	277	954	71
INDEPENDENCE	4,145	30.9	226	2,292	553	74
IONE	345	4.8	44	325	942	68
ISLAND CITY	730	5.9	38	347	475	59
JACKSONVILLE	1,990	15.3	134	1,074	540	70

TABLE IV-B.1

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted In Alphabetical Order

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
JEFFERSON	1,755	13.7	93	634	361	46
JOHN DAY	1,985	14.7	130	1,831	922	125
JOHNSON CITY	390	1.4	36	245	629	179
JORDAN VAL	445	4.4	24	243	545	56
JOSEPH	1,170	10.8	34	365	312	34
JUNCTION CITY	3,050	20.8	248	2,620	859	126
KEIZER	19,800	67.4	407	5,271	266	78
KING CITY	1,830	7.6	19	267	146	35
KLAMATH FALLS	17,350	103.8	1,136	14,897	859	143
LAFAYETTE	1,240	7.1	100	955	770	134
LAGRANDE	12,230	71.0	556	7,097	580	100
LAKE OSWEGO	24,200	94.4	2,321	22,695	938	240
LAKEVIEW	1,420	13.3	108	1,270	895	56
LAKEVIEW	2,755	16.5	246	2,727	990	165
LEBANON	10,270	75.3	596	9,739	948	129
LEXINGTON	240	4.7	31	261	1,089	56
LINCOLN CITY	6,060	56.9	894	14,758	2,435	260
LONE ROCK	25	2.4	3	33	1,317	14
LONG CREEK	245	4.1	40	492	2,009	120
LOSTINE	240	3.7	16	109	455	29
LOWELL	705	6.3	23	291	412	47
LYONS	870	10.2	38	717	824	71
MADRAS	2,320	19.2	134	1,876	809	98
MALIN	620	4.9	44	470	759	96
MANZANITA	495	14.3	79	1,027	2,074	72
MCMINNVILLE	15,175	78.6	906	17,103	1,127	218
MEDFORD	41,975	183.2	2,706	38,885	926	212
MERRILL	845	5.8	72	717	848	124
METOLIUS	455	6.9	32	222	489	32
MILL CITY	1,520	12.8	153	1,710	1,125	134
MILLERSBURG	550	9.2	89	1,568	2,850	171
MILTON FREEWATER	5,850	27.1	463	9,709	1,660	359
MILWAUKIE	17,375	76.2	1,902	19,830	1,141	260
MOLALLA	3,100	21.1	285	3,375	1,089	160
MONMOUTH	5,390	23.5	285	3,811	707	162
MONROE	460	5.5	36	368	800	67
MORO	320	6.5	41	280	874	43
MT. ANGEL	2,930	9.8	146	1,673	571	170
MT. VERNON	620	3.3	50	644	1,039	193
MYRTLE CREEK	3,200	16.1	210	1,653	517	102
MYRTLE POINT	2,700	16.8	303	3,537	1,310	211
NEHALEM	245	4.7	55	859	3,505	182
NEWBERG	11,440	55.7	747	6,647	581	119
NEWPORT	8,350	59.3	734	11,276	1,350	190
NORTH BEND	9,135	58.8	732	9,378	1,027	159
NORTH PLAINS	930	8.2	59	436	469	53

TABLE V-B.1

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted In Alphabetical Order

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
NORTH POWDER	455	5.0	40	556	1,222	112
NYSSA	2,890	19.2	197	2,510	868	131
OAKLAND	850	8.4	53	627	738	74
OAKRIDGE	3,580	23.9	295	3,564	995	149
ONTARIO	9,510	56.2	584	10,772	1,133	192
OREGON CITY	14,500	76.1	1,107	12,091	834	159
PENDLETON	14,400	83.6	1,002	12,727	884	152
PHILOMATH	2,640	13.2	168	1,839	697	139
PHOENIX	2,510	9.3	126	1,222	487	132
PILOT ROCK	1,630	2.9	139	1,388	851	480
PORTLAND	379,000	1,800.0	35,753	443,044	1,169	246
POWERS	775	7.2	65	916	1,181	127
PRAIRIE CITY	1,125	8.0	43	557	495	70
PRESCOTT	70	1.8	20	185	2,644	103
PRINEVILLE	5,410	35.9	418	3,993	738	111
RAINIER	1,560	11.8	143	1,013	649	66
REDMOND	6,740	66.5	443	6,871	1,019	103
REEDSPORT	4,875	20.9	306	4,124	846	197
RICHLAND	190	2.6	19	247	1,299	94
RIDDLE	1,115	11.0	89	886	795	61
ROCKAWAY	1,185	23.9	167	2,120	1,789	89
ROGUE RIVER	1,440	6.2	112	879	610	142
ROSEBURG	16,025	96.8	1,038	13,818	862	143
SALEM	94,600	463.1	4,902	82,502	872	178
SANDY	3,530	29.8	292	3,496	990	117
SCAPOOSE	3,410	19.3	309	3,162	927	164
SCIO	590	5.1	63	835	1,415	163
SCOTTS MILL	255	7.0	23	165	648	24
SEASIDE	5,300	31.3	504	5,926	1,118	190
SENECA	265	2.8	13	93	350	33
SHADY COVE	1,190	13.7	23	199	167	15
SHERIDAN	2,420	16.1	181	1,841	761	114
SHERWOOD	2,685	18.0	192	1,989	741	110
SILETZ	1,025	8.7	53	656	640	76
SILVERTON	5,290	25.3	329	4,392	830	173
SISTERS	740	12.1	35	NA	NA	NA
SPRINGFIELD	40,690	180.4	2,251	29,091	715	151
STANFIELD	1,660	12.1	117	1,275	768	106
STAYTON	4,815	23.2	281	2,921	607	126
ST. HELENS	7,260	33.0	570	6,854	944	208
ST. PAUL	330	2.7	43	490	1,483	180
SUBLIMITY	1,430	8.0	123	927	649	116
SUMMERVILLE	155	2.0	13	143	921	71
SUMPTER	150	9.5	21	231	1,537	24
SUTHERLIN	4,320	36.8	346	3,837	888	104
SWEET HOME	6,800	45.1	471	7,278	1,070	162

TABLE IV-B.1

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted In Alphabetical Order

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
TALENT	2,660	9.4	105	1,087	409	116
THE DALLES	10,900	69.3	1,416	16,660	1,528	241
TIGARD	20,250	88.2	760	9,741	481	110
TILLAMOOK	3,925	23.8	273	4,176	1,064	176
TOLEDO	3,275	22.9	453	6,311	1,927	276
TUALATIN	10,350	43.3	994	9,834	950	227
TURNER	1,210	12.8	88	957	791	75
UMATILLA	2,980	28.8	203	2,146	720	74
UNION	2,120	29.9	69	783	369	26
UNITY	110	NA	8	173	1,571	NA
VALE	1,670	18.3	192	2,030	1,216	111
VENETA	2,335	18.0	94	1,158	496	64
WALDPORT	1,590	15.7	119	1,593	1,002	101
WALLOWA	810	8.3	60	646	797	78
WARRENTON	2,475	42.9	205	1,366	552	32
WASCO	445	7.4	4	27	61	4
WATERLOO	210	3.6	18	201	956	55
WEST LINN	12,950	85.6	1,250	10,924	844	128
WESTON	730	11.4	81	863	1,182	75
WHEELER	350	6.5	42	567	1,621	88
WILLAMINA	1,785	11.7	161	1,683	943	144
WILSONVILLE	3,700	106.3	460	4,419	1,194	42
WINSTON	3,380	13.2	195	3,140	929	239
WOOD VILLAGE	2,595	6.9	118	1,370	528	198
WOODBURN	11,700	49.0	730	6,741	576	138
YACHTS	560	9.7	58	669	1,194	69
YAMHILL	650	6.6	63	533	820	61
TOTAL	1,520,805	8,252	114,500	1,435,406	-	-

Note: NA indicates not available.

TABLE IV-B.2

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Population

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
PORTLAND	379,000	1,800.0	35,753	443,044	1,159	246
EUGENE	106,100	459.4	5,243	88,893	838	193
SALEM	94,600	463.1	4,902	62,502	872	178
MEDFORD	41,975	183.2	2,705	38,885	925	212
CORVALLIS	41,580	165.8	2,098	29,923	719	180
SPRINGFIELD	40,690	180.4	2,251	29,091	715	161
GRESHAM	37,480	145.5	2,821	28,497	750	196
BEAVERTON	33,950	132.2	2,831	28,305	834	214
HILLSBORO	30,270	112.9	2,069	21,458	709	190
ALBANY	27,900	154.0	3,081	36,789	1,319	239
LAKE OSWEGO	24,200	94.4	2,321	22,695	938	240
TIGARD	20,250	88.2	760	9,741	481	110
KEIZER	19,800	67.4	407	5,271	266	78
BEND	18,000	125.6	1,073	10,981	610	87
MILWAUKIE	17,375	76.2	1,902	19,830	1,141	260
KLAMATH FALLS	17,350	103.8	1,136	14,897	859	143
ROSEBURG	16,025	96.8	1,038	13,818	862	143
ASHLAND	15,660	86.0	1,386	16,268	1,040	189
GRANTS PASS	15,350	70.9	1,083	12,606	821	178
MCMINNVILLE	15,175	78.6	906	17,103	1,127	210
COOS BAY	14,695	77.6	902	17,614	1,199	227
OREGON CITY	14,500	76.1	1,107	12,091	834	159
PENDLETON	14,400	83.6	1,002	12,727	884	152
WEST LINN	12,950	65.6	1,250	10,924	844	128
LAGRANDE	12,230	71.0	556	7,097	580	100
FOREST GROVE	11,750	40.4	1,226	19,843	1,689	492
WOODBURN	11,700	49.0	730	6,741	576	138
NEWBERG	11,440	55.7	747	6,647	581	119
THE DALLES	10,900	69.3	1,416	16,660	1,528	241
TUALATIN	10,350	43.3	994	9,834	950	227
LEBANON	10,270	75.3	596	9,739	946	129
HERMISTON	9,890	62.5	516	4,975	503	82
ASTORIA	9,820	54.4	830	10,109	1,029	186
GLADSTONE	9,570	44.4	492	3,872	405	87
ONTARIO	9,510	56.2	584	10,772	1,133	192
BAKER	9,490	88.1	718	12,739	1,342	145
NORTH BEND	9,135	58.8	732	9,378	1,027	159
DALLAS	8,950	43.3	469	5,346	597	123
NEWPORT	8,350	59.3	734	11,276	1,350	190
CANBY	7,750	49.9	551	8,420	1,086	169
ST. HELENS	7,260	33.0	570	6,854	944	208
COTTAGE GROVE	7,090	41.1	433	5,275	744	128
SWEET HOME	6,800	45.1	471	7,278	1,070	162
CENTRAL POINT	6,740	37.0	363	3,226	479	87
REDMOND	6,740	66.5	443	6,871	1,019	103
LINCOLN CITY	6,060	56.9	894	14,758	2,435	260

TABLE IV-B.2

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Population

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
MILTON FREEWATER	5,850	27.1	463	9,789	1,660	359
PRINEVILLE	5,410	35.9	418	3,993	738	111
MONMOUTH	5,390	23.5	285	3,811	707	162
SEASIDE	5,300	31.3	504	5,926	1,118	190
SILVERTON	5,290	25.3	329	4,392	830	173
CORNELIUS	5,050	23.7	274	2,467	489	104
REEDSPORT	4,875	20.9	306	4,124	846	197
STAYTON	4,815	23.2	281	2,921	607	126
FLORENCE	4,645	31.1	289	3,957	852	127
HOOD RIVER	4,490	31.0	143	804	179	26
SUTHERLIN	4,320	36.8	346	3,837	888	164
COQUILLE	4,220	23.3	396	4,795	1,136	206
INDEPENDENCE	4,145	30.9	226	2,292	553	74
TILLAMOOK	3,925	23.8	273	4,176	1,064	176
WILSONVILLE	3,700	106.3	460	4,419	1,194	62
DAKRIDGE	3,580	23.9	295	3,554	995	149
SANDY	3,530	29.8	292	3,496	990	117
SCAPPOOSE	3,410	19.3	309	3,162	927	164
WINSTON	3,380	13.2	195	3,140	929	239
TOLEDO	3,275	22.9	453	6,311	1,927	276
MYRTLE CREEK	3,200	16.1	210	1,653	517	102
MOLALLA	3,100	21.1	285	3,375	1,089	160
JUNCTION CITY	3,050	20.8	240	2,620	859	126
EAGLE POINT	3,010	12.1	210	1,831	608	151
UMATILLA	2,980	28.8	203	2,146	720	74
MT. ANGEL	2,930	9.8	146	1,673	571	170
NYSSA	2,890	19.2	197	2,510	868	131
BURNS	2,830	27.2	45	961	340	35
LAKEVIEW	2,755	16.5	246	2,727	990	165
MYRTLE POINT	2,700	16.8	303	3,537	1,310	211
SHERWOOD	2,685	18.0	192	1,989	741	110
TALENT	2,660	9.4	105	1,087	409	116
PHILOMATH	2,640	13.2	168	1,839	697	139
WOOD VILLAGE	2,595	6.9	118	1,370	528	198
PHOENIX	2,510	9.3	126	1,222	487	132
WARRENTON	2,475	42.9	205	1,366	552	32
SHERIDAN	2,420	16.1	181	1,841	761	114
VENETA	2,335	18.0	94	1,158	496	64
BANDON	2,330	25.5	614	6,202	2,662	244
MADRAS	2,320	19.2	134	1,876	809	98
UNION	2,120	29.9	69	783	369	26
ENTERPRISE	2,070	18.7	154	1,582	764	85
JACKSONVILLE	1,990	15.3	134	1,074	540	70
JOHN DAY	1,985	14.7	130	1,831	922	125
ESTACADA	1,910	16.0	133	1,568	821	98
CRESWELL	1,895	10.5	121	1,032	545	99

TABLE IV-B.2

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Population

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
FAIRVIEW	1,850	11.6	110	1,315	711	114
HARRISBURG	1,840	16.0	113	1,543	839	96
KING CITY	1,830	7.6	19	267	146	35
WILLAMINA	1,785	11.7	161	1,683	943	144
ELGIN	1,765	16.9	138	1,717	973	101
HUBBARD	1,760	11.4	140	1,172	666	103
JEFFERSON	1,755	13.7	93	634	361	46
CLATSKANIE	1,690	10.0	161	1,554	919	156
VALE	1,670	18.3	192	2,030	1,216	111
STANFIELD	1,660	12.1	117	1,275	768	106
PILOT ROCK	1,630	2.9	139	1,388	851	480
WALDPORT	1,590	15.7	119	1,593	1,002	101
RAINIER	1,560	11.8	143	1,013	649	86
MILL CITY	1,520	12.8	153	1,710	1,125	134
AUMSVILLE	1,480	7.1	116	1,106	747	156
HINES	1,470	11.5	83	1,028	699	90
ROGUE RIVER	1,440	6.2	112	879	610	142
SUBLIMITY	1,430	8.0	123	927	649	116
LAKESIDE	1,420	13.3	108	1,270	895	96
DAYTON	1,390	8.9	100	793	571	89
HEPPNER	1,385	13.6	162	1,991	1,437	146
DUNDEE	1,380	12.9	102	715	518	55
CARLTON	1,270	9.7	113	958	754	99
CANYONVILLE	1,270	10.2	82	715	563	70
BROWNSVILLE	1,255	16.1	106	1,009	868	60
CANNON BEACH	1,250	14.2	154	1,064	851	75
LAFAYETTE	1,240	7.1	108	955	770	134
TURNER	1,210	12.8	88	957	791	75
SHADY COVE	1,190	13.7	23	199	167	15
ROCKAWAY	1,185	23.9	167	2,120	1,789	69
JOSEPH	1,170	10.8	34	365	312	34
DUNES CITY	1,170	19.5	63	692	591	36
CAVE JUNCTION	1,150	11.9	68	493	429	41
PRAIRIE CITY	1,125	8.0	43	557	495	70
RIDDLE	1,115	11.0	89	886	795	61
BAY CITY	1,100	14.5	107	1,270	1,155	68
GARIBALDI	1,070	10.2	69	874	817	85
AMITY	1,040	10.4	85	936	900	90
SILETZ	1,025	8.7	53	656	640	76
GEARHART	1,000	14.3	106	623	623	44
ATHENA	955	8.1	131	1,411	1,477	174
NORTH PLAINS	930	8.2	59	436	469	53
GOLD HILL	910	10.4	61	821	902	79
LYONS	870	10.2	38	717	824	71
DAKLAND	850	8.4	53	627	738	74
MERRILL	845	5.8	72	717	848	124

TABLE IV-B.2

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Population

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
DEPOE BAY	825	12.9	60	829	1,004	64
WALLOWA	810	8.3	60	646	797	78
FALLS CITY	780	11.3	45	425	545	38
POWERS	775	7.2	65	916	1,181	127
CHILOQUIN	770	9.8	96	811	1,053	83
COLUMBIA CITY	750	9.8	88	670	894	68
GERVAIS	745	6.1	73	531	713	87
SISTERS	740	12.1	35	NA	NA	NA
ISLAND CITY	730	5.9	38	347	475	59
WESTON	730	11.4	81	863	1,182	75
DURHAM	720	3.7	73	616	856	167
CONDON	720	15.6	130	953	1,324	61
GLENDALE	720	5.8	102	496	689	86
LOWELL	705	6.3	23	291	412	47
HALSEY	680	8.5	77	523	769	62
YAMHILL	650	6.6	63	533	820	81
COBURG	650	7.2	63	1,063	1,635	147
MALIN	620	4.9	44	470	759	96
MT. VERNON	620	3.3	50	644	1,039	193
CANYON CITY	610	8.6	67	857	1,405	100
ECHO	605	6.2	73	601	994	97
SCIO	590	5.1	63	835	1,415	163
GASTON	560	4.0	44	477	853	121
YACHTS	560	9.7	58	669	1,194	69
ADAIR	560	2.5	40	288	513	114
HUNTINGTON	555	8.4	69	888	1,600	106
MILLERSBURG	550	9.2	89	1,568	2,850	171
DUFUR	550	7.4	104	813	1,478	111
COVE	530	6.6	31	305	576	46
FOSSIL	530	8.1	75	511	965	63
HAMMOND	525	8.1	62	332	633	41
AURORA	525	4.8	67	731	1,393	152
GATES	500	5.4	39	521	1,043	96
MANZANITA	495	14.3	79	1,027	2,074	72
BANKS	495	2.3	46	595	1,201	257
MONROE	460	5.5	36	368	800	67
METOLIS	455	6.9	32	222	489	32
NORTH POWDER	455	5.0	40	556	1,222	112
BUTTE FALLS	450	3.1	38	259	576	84
ARLINGTON	450	13.0	84	795	1,766	61
JORDAN VAL	445	4.4	24	243	545	56
WASCO	445	7.4	4	27	61	4
HALFWAY	410	3.2	39	575	1,403	178
DETROIT	400	7.7	72	594	1,486	77
HAINES	395	7.0	38	253	641	36
JOHNSON CITY	390	1.4	36	245	629	179

TABLE IV-B.2

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Population

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
WHEELER	350	6.5	42	567	1,621	88
IONE	345	4.8	44	325	942	68
IDANHA	345	5.9	38	278	807	47
ST. PAUL	330	2.7	43	498	1,483	160
BONANZA	325	6.7	42	387	945	46
MORO	320	6.5	41	280	874	43
IMBLER	290	3.9	22	277	954	71
DONALD	275	2.8	35	239	868	66
SENECA	265	2.8	13	93	350	33
SCOTTS MILL	255	7.0	23	165	648	24
LONG CREEK	245	4.1	40	492	2,009	120
ADAMS	245	3.9	28	191	779	49
NEHALEM	245	4.7	55	859	3,505	182
LEXINGTON	240	4.7	31	261	1,089	56
LOSTINE	240	3.7	16	109	455	29
WATERLOO	210	3.6	18	201	956	55
DAYVILLE	205	2.6	27	371	1,808	140
RICHLAND	190	2.6	19	247	1,299	94
GRASS VALLEY	180	4.3	25	170	947	40
ADRIAN	155	2.2	13	143	921	64
HELIX	155	2.1	20	136	880	66
SUMMERVILLE	155	2.0	13	143	921	71
SUMPTER	150	9.5	21	231	1,537	24
UNITY	110	NA	8	173	1,571	NA
BARLOW	100	1.1	16	109	1,091	104
PRESCOTT	70	1.8	20	185	2,644	183
LONE ROCK	25	2.4	3	33	1,317	14
TOTAL	1,520,805	8,252	114,500	1,435,406	-	-

Note: NA indicates not available.

TABLE IV-B.3

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Capita

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
NEHALEM	245	4.7	55	859	3,505	182
MILLERSBURG	550	9.2	89	1,568	2,850	171
BANDON	2,330	25.5	614	6,202	2,662	244
PRESCOTT	70	1.8	20	185	2,644	103
LINCOLN CITY	6,060	56.9	894	14,758	2,435	260
MANZANITA	495	14.3	79	1,027	2,074	72
LONG CREEK	245	4.1	40	492	2,009	120
TOLEDO	3,275	22.9	453	6,311	1,927	276
DAYVILLE	205	2.6	27	371	1,808	140
ROCKAWAY	1,185	23.9	167	2,120	1,789	89
ARLINGTON	450	13.0	84	795	1,766	61
FOREST GROVE	11,750	40.4	1,226	19,843	1,689	492
MILTON FREEWATER	5,850	27.1	463	9,709	1,660	359
COBURG	650	7.2	63	1,063	1,635	147
WHEELER	350	6.5	42	567	1,621	68
HUNTINGTON	555	8.4	69	888	1,600	106
UNITY	110	NA	8	173	1,571	NA
SUMPTER	150	9.5	21	231	1,537	24
THE DALLES	10,900	69.3	1,416	16,660	1,528	241
DETROIT	400	7.7	72	594	1,486	77
ST. PAUL	330	2.7	43	490	1,483	180
DUFUR	550	7.4	104	813	1,478	111
ATHENA	955	8.1	131	1,411	1,477	174
HEPPNER	1,385	13.6	162	1,991	1,437	146
SCIO	590	5.1	63	835	1,415	163
CANYON CITY	610	8.6	67	857	1,405	100
HALFWAY	410	3.2	39	575	1,403	178
AURORA	525	4.8	67	731	1,393	152
NEWPORT	8,350	59.3	734	11,276	1,350	190
BAKER	9,490	88.1	718	12,739	1,342	145
CONDON	720	15.6	130	953	1,324	61
ALBANY	27,900	154.0	3,081	36,789	1,319	239
LONE ROCK	25	2.4	3	33	1,317	14
MYRTLE POINT	2,700	16.8	303	3,537	1,310	211
RICHLAND	190	2.6	19	247	1,299	94
NORTH POWDER	455	5.0	40	556	1,222	112
VALE	1,670	18.3	192	2,030	1,216	111
BANKS	495	2.3	46	595	1,201	257
COOS BAY	14,695	77.6	902	17,614	1,199	227
WILSONVILLE	3,700	106.3	460	4,419	1,194	42
YACHATS	560	9.7	58	669	1,194	69
WESTON	730	11.4	81	863	1,182	75
POWERS	775	7.2	65	916	1,181	127
PORTLAND	379,000	1,800.0	35,753	443,044	1,169	246
BAY CITY	1,100	14.5	107	1,270	1,155	88
MILWAUKIE	17,375	76.2	1,902	19,830	1,141	260

TABLE IV-B.3

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Capita

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
COQUILLE	4,220	23.3	396	4,795	1,136	206
ONTARIO	9,510	56.2	584	10,772	1,133	192
MCMINNVILLE	15,175	78.6	906	17,103	1,127	218
MILL CITY	1,520	12.8	153	1,710	1,125	134
SEASIDE	5,300	31.3	504	5,926	1,110	190
BARLOW	100	1.1	16	109	1,091	104
LEXINGTON	240	4.7	31	261	1,089	56
MOLALLA	3,100	21.1	285	3,375	1,089	160
CANBY	7,750	49.9	551	8,420	1,086	169
SWEET HOME	6,800	45.1	471	7,270	1,070	162
TILLAMOOK	3,925	23.8	273	4,176	1,064	176
CHILQUIN	770	9.8	96	811	1,053	63
GATES	500	5.4	39	521	1,043	96
ASHLAND	15,660	86.0	1,306	16,288	1,040	189
MT. VERNON	620	3.3	50	644	1,039	193
ASTORIA	9,820	54.4	830	10,109	1,029	166
NORTH BEND	9,135	58.8	732	9,378	1,027	159
REDMOND	6,740	66.5	443	6,871	1,019	103
DEPOE BAY	825	12.9	60	829	1,004	64
WALDPORT	1,590	15.7	119	1,593	1,002	101
OAKRIDGE	3,580	23.9	295	3,564	995	149
ECHO	605	6.2	73	601	994	97
SANDY	3,530	29.8	292	3,496	990	117
LAKEVIEW	2,755	16.5	246	2,727	990	165
ELGIN	1,765	16.9	130	1,717	973	101
FOSSIL	530	8.1	75	511	965	63
WATERLOO	210	3.6	18	201	956	55
IMBLER	290	3.9	22	277	954	71
TUALATIN	10,350	43.3	994	9,834	950	227
LEBANON	10,270	75.3	596	9,739	940	129
GRASS VALLEY	180	4.3	25	170	947	40
BONANZA	325	6.7	42	307	945	46
ST. HELENS	7,260	33.0	570	6,854	944	200
WILLAMINA	1,785	11.7	161	1,683	943	144
IDNE	345	4.8	44	325	942	68
LAKE OSWEGO	24,200	94.4	2,321	22,695	938	240
WINSTON	3,380	13.2	195	3,140	929	239
SCAPPOOSE	3,410	19.3	309	3,162	927	164
MEDFORD	41,975	183.2	2,706	38,885	926	212
JOHN DAY	1,985	14.7	130	1,831	922	125
SUMMERVILLE	155	2.0	13	143	921	71
ADRIAN	155	2.2	13	143	921	64
CLATSKANIE	1,690	18.0	161	1,554	919	156
GOLD HILL	910	10.4	61	821	902	79
AMITY	1,040	10.4	85	936	900	90
LAKE SIDE	1,420	13.3	108	1,270	895	56

TABLE IV-B.3

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Capita

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
COLUMBIA CITY	750	9.8	88	670	894	68
SUTHERLIN	4,320	36.8	346	3,837	888	104
PENDLETON	14,400	83.6	1,002	12,727	884	152
HELIX	155	2.1	20	136	880	66
MORO	320	6.5	41	280	874	43
SALEM	94,600	463.1	4,982	82,502	872	178
NYSSA	2,890	19.2	197	2,510	868	131
DONALD	275	2.8	35	239	868	86
BROWNSVILLE	1,255	16.1	106	1,009	868	68
ROSEBURG	16,025	96.8	1,038	13,818	862	143
JUNCTION CITY	3,050	20.8	248	2,620	859	126
KLAMATH FALLS	17,350	103.8	1,136	14,897	859	143
DURHAM	720	3.7	73	616	856	167
GASTON	560	4.0	44	477	853	121
FLORENCE	4,645	31.1	289	3,957	852	127
PILOT ROCK	1,630	2.9	139	1,388	851	480
CANNON BEACH	1,250	14.2	154	1,064	851	75
MERRILL	845	5.8	72	717	848	124
REEDSPORT	4,875	20.9	306	4,124	846	197
WEST LINN	12,950	85.6	1,250	10,924	844	128
HARRISBURG	1,840	16.0	113	1,543	839	96
EUGENE	106,100	459.4	5,243	88,893	838	193
OREGON CITY	14,500	76.1	1,107	12,091	834	159
BEAVERTON	33,950	132.2	2,831	28,305	834	214
SILVERTON	5,290	25.3	329	4,392	830	173
LYONS	870	10.2	38	717	824	71
GRANTS PASS	15,350	70.9	1,083	12,606	821	178
ESTACADA	1,910	16.0	133	1,568	821	98
YAMHILL	650	6.6	63	533	820	81
GARIBALDI	1,070	10.2	69	874	817	85
MADRAS	2,320	19.2	134	1,876	809	98
IDANHA	345	5.9	30	278	807	47
MONROE	460	5.5	36	368	800	67
WALLOWA	810	8.3	60	646	797	78
RIDDLE	1,115	11.0	89	886	795	81
TURNER	1,210	12.8	88	957	791	75
ADAMS	245	3.9	28	191	779	49
LAFAYETTE	1,240	7.1	108	955	770	134
HALSEY	680	8.5	77	523	769	62
STANFIELD	1,660	12.1	117	1,275	768	106
ENTERPRISE	2,070	18.7	154	1,582	764	85
SHERIDAN	2,420	16.1	181	1,841	761	114
GRESHAM	37,480	145.5	2,821	28,497	760	196
MALIN	620	4.9	44	470	759	96
CARLTON	1,270	9.7	113	958	754	99
AUMSVILLE	1,480	7.1	116	1,106	747	156

TABLE IV-B.3

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Capita

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
COTTAGE GROVE	7,090	41.1	433	5,275	744	128
SHERWOOD	2,685	18.0	192	1,989	741	110
OAKLAND	850	8.4	53	627	738	74
PRINEVILLE	5,410	35.9	418	3,993	738	111
UMATILLA	2,980	28.8	203	2,146	720	74
CORVALLIS	41,580	165.8	2,098	29,903	719	160
SPRINGFIELD	40,690	180.4	2,251	29,091	715	161
GERVAIS	745	6.1	73	531	713	87
FAIRVIEW	1,850	11.6	110	1,315	711	114
HILLSBORO	30,270	112.9	2,069	21,458	709	190
MONMOUTH	5,390	23.5	285	3,811	707	162
HINES	1,470	11.5	83	1,028	699	90
PHILOMATH	2,640	13.2	168	1,839	697	139
BLENDALE	720	5.8	102	496	689	66
HUBBARD	1,760	11.4	140	1,172	666	103
RAINIER	1,560	11.8	143	1,013	649	66
SUBLIMITY	1,430	8.0	123	927	649	116
SCOTTS MILL	255	7.0	23	165	648	24
HAINES	395	7.0	38	253	641	36
SILETZ	1,025	8.7	53	656	640	76
HAMMOND	525	8.1	62	332	633	41
JOHNSON CITY	390	1.4	36	245	629	179
GEARHART	1,000	14.3	106	623	623	44
ROGUE RIVER	1,440	6.2	112	879	610	142
BEND	18,000	125.6	1,073	10,981	610	87
EAGLE POINT	3,010	12.1	210	1,831	608	151
STAYTON	4,815	23.2	281	2,921	607	126
DALLAS	8,950	43.3	469	5,346	597	123
DUNES CITY	1,170	19.5	63	692	591	36
NEWBERG	11,440	55.7	747	6,647	581	119
LAGRANDE	12,230	71.0	556	7,097	580	100
WOODBURN	11,700	49.0	730	6,741	576	138
BUTTE FALLS	450	3.1	38	259	576	84
COVE	530	6.6	31	305	576	46
MT. ANGEL	2,930	9.8	146	1,673	571	170
DAYTON	1,390	8.9	100	793	571	69
CANYONVILLE	1,270	10.2	82	715	563	70
INDEPENDENCE	4,145	30.9	226	2,292	553	74
WARRENTON	2,475	42.9	205	1,366	552	32
JORDAN VAL	445	4.4	24	243	545	56
FALLS CITY	780	11.3	45	425	545	38
CRESWELL	1,895	10.5	121	1,032	545	99
JACKSONVILLE	1,990	15.3	134	1,074	540	70
WOOD VILLAGE	2,595	6.9	118	1,370	528	198
DUNDEE	1,380	12.9	102	715	518	55
MYRTLE CREEK	3,200	16.1	210	1,653	517	102

TABLE IV-B.3

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Capita

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
ADAIR	560	2.5	40	288	513	114
HERMISTON	9,890	62.5	516	4,975	503	80
VENETA	2,335	18.0	94	1,158	496	64
PRAIRIE CITY	1,125	8.0	43	557	495	70
METOLIUS	455	6.9	32	222	489	32
CORNELIUS	5,050	23.7	274	2,467	489	104
PHOENIX	2,510	9.3	126	1,222	487	132
TIGARD	20,250	88.2	760	9,741	481	110
CENTRAL POINT	6,740	37.0	363	3,226	479	87
ISLAND CITY	730	5.9	38	347	475	59
NORTH PLAINS	930	8.2	59	436	469	53
LOSTINE	240	3.7	16	109	455	29
CAVE JUNCTION	1,150	11.9	68	493	429	41
LOWELL	705	6.3	23	291	412	47
TALENT	2,660	9.4	105	1,087	409	116
GLADSTONE	9,570	44.4	492	3,872	405	87
UNION	2,120	29.9	69	783	369	26
JEFFERSON	1,755	13.7	93	634	361	46
SENECA	265	2.8	13	93	350	33
BURNS	2,830	27.2	45	961	340	35
JOSEPH	1,170	10.8	34	365	312	34
KEIZER	19,800	67.4	407	5,271	266	78
HOOD RIVER	4,490	31.0	143	804	179	26
SHADY COVE	1,190	13.7	23	199	167	15
KING CITY	1,830	7.6	19	267	146	35
WASCO	445	7.4	4	27	61	4
SISTERS	740	12.1	35	NA	NA	NA
TOTAL	1,520,805	8,252	114,500	1,435,406	-	-

Note: NA indicates not available.

TABLE IV-B.4

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Mile

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
FOREST GROVE	11,750	40.4	1,226	19,843	1,689	492
PILOT ROCK	1,630	2.9	139	1,388	851	460
MILTON FREEWATER	5,850	27.1	463	9,709	1,660	359
TOLEDO	3,275	22.9	453	6,311	1,927	276
MILWAUKIE	17,375	76.2	1,902	19,830	1,141	260
LINCOLN CITY	6,060	56.9	894	14,758	2,435	260
BANKS	495	2.3	46	595	1,201	257
PORTLAND	379,000	1,800.0	35,753	443,044	1,169	246
BANDON	2,330	25.5	614	6,202	2,662	244
THE DALLES	10,900	69.3	1,416	16,660	1,520	241
LAKE OSWEGO	24,200	94.4	2,321	22,695	938	240
ALBANY	27,900	154.0	3,001	36,789	1,319	239
WINSTON	3,300	13.2	195	3,140	929	239
COOS BAY	14,695	77.6	902	17,614	1,199	227
TUALATIN	10,350	43.3	994	9,834	950	227
MCMINNVILLE	15,175	78.6	906	17,183	1,127	218
BEAVERTON	33,950	132.2	2,831	28,305	834	214
MEDFORD	41,975	183.2	2,706	38,885	926	212
MYRTLE POINT	2,700	16.8	303	3,537	1,310	211
ST. HELENS	7,260	33.0	570	6,854	944	208
COQUILLE	4,220	23.3	396	4,795	1,136	206
WOOD VILLAGE	2,595	6.9	118	1,370	528	198
REEDSPORT	4,875	20.9	306	4,124	846	197
GRESHAM	37,400	145.5	2,821	28,497	760	196
EUGENE	106,100	459.4	5,243	88,893	838	193
MT. VERNON	620	3.3	50	644	1,039	193
ONTARIO	9,510	56.2	584	10,772	1,133	192
NEWPORT	8,350	59.3	734	11,276	1,350	190
HILLSBORO	30,270	112.9	2,069	21,458	709	190
SEASIDE	5,300	31.3	504	5,926	1,118	190
ASHLAND	15,660	86.0	1,306	16,288	1,040	189
ASTORIA	9,820	54.4	830	10,109	1,029	186
NEHALEM	245	4.7	55	859	3,505	182
CORVALLIS	41,500	165.8	2,098	29,903	719	180
ST. PAUL	330	2.7	43	490	1,483	180
JOHNSON CITY	390	1.4	36	245	629	179
SALEM	94,600	463.1	4,902	82,502	872	178
GRANTS PASS	15,350	70.9	1,003	12,606	821	178
HALFWAY	410	3.2	39	575	1,403	178
TILLAMOOK	3,925	23.8	273	4,176	1,064	176
ATHENA	955	8.1	131	1,411	1,477	174
SILVERTON	5,290	25.3	329	4,392	830	173
MILLERSBURG	550	9.2	89	1,568	2,850	171
MT. ANGEL	2,930	9.8	146	1,673	571	170
CANBY	7,750	49.9	551	8,420	1,086	169
DURHAM	720	3.7	73	616	856	167

TABLE IV-B.4

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Mile

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
LAKEVIEW	2,755	16.5	246	2,727	990	165
SCAPPOOSE	3,410	19.3	309	3,162	927	164
SCIO	590	5.1	63	835	1,415	163
MONMOUTH	5,390	23.5	285	3,811	707	162
SWEET HOME	6,800	45.1	471	7,278	1,070	162
SPRINGFIELD	40,690	180.4	2,251	29,091	715	161
MOLALLA	3,100	21.1	285	3,375	1,089	160
NORTH BEND	9,135	58.8	732	9,378	1,027	159
OREGON CITY	14,500	76.1	1,107	12,091	834	159
CLATSKANIE	1,690	10.0	161	1,554	919	156
AUMSVILLE	1,480	7.1	116	1,106	747	156
PENDLETON	14,400	83.6	1,002	12,727	884	152
AURORA	525	4.8	67	731	1,393	152
EAGLE POINT	3,010	12.1	210	1,831	608	151
DAKRIDGE	3,580	23.9	295	3,564	995	149
COBURG	650	7.2	63	1,063	1,635	147
HEPPNER	1,385	13.6	162	1,991	1,437	146
BAKER	9,490	88.1	718	12,739	1,342	145
WILLAMINA	1,785	11.7	161	1,683	943	144
KLAMATH FALLS	17,350	103.8	1,136	14,897	859	143
ROSEBURG	16,025	96.8	1,038	13,818	862	143
ROGUE RIVER	1,440	6.2	112	879	610	142
DAYVILLE	205	2.5	27	371	1,808	140
PHILOMATH	2,640	13.2	168	1,839	697	139
WOODBURN	11,700	49.0	730	6,741	576	138
LAFAYETTE	1,240	7.1	108	955	770	134
MILL CITY	1,520	12.8	153	1,710	1,125	134
PHOENIX	2,510	9.3	126	1,222	487	132
NYSSA	2,890	19.2	197	2,510	868	131
LEBANON	10,270	75.3	596	9,739	948	129
COTTAGE GROVE	7,090	41.1	433	5,275	744	128
WEST LINN	12,950	85.6	1,250	10,924	844	128
POWERS	775	7.2	65	916	1,181	127
FLORENCE	4,645	31.1	289	3,957	852	127
JUNCTION CITY	3,050	20.8	248	2,620	859	126
STAYTON	4,815	23.2	281	2,921	607	126
JOHN DAY	1,985	14.7	130	1,831	922	125
MERRILL	845	5.8	72	717	848	124
DALLAS	8,950	43.3	469	5,346	597	123
GASTON	560	4.0	44	477	853	121
LONG CREEK	245	4.1	40	492	2,009	120
NEWBERG	11,440	55.7	747	6,647	581	119
SANDY	3,530	29.8	292	3,496	990	117
TALENT	2,660	9.4	105	1,007	409	116
SUBLIMITY	1,430	8.0	123	927	649	116
SHERIDAN	2,420	16.1	181	1,841	761	114

TABLE IV-B.4

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Mile

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
FAIRVIEW	1,850	11.6	110	1,315	711	114
DAIR	560	2.5	40	288	513	114
NORTH POWDER	455	5.0	40	556	1,222	112
PRINEVILLE	5,410	35.9	418	3,993	738	111
VALE	1,670	18.3	192	2,030	1,216	111
DUFUR	550	7.4	104	813	1,478	111
TIGARD	20,250	88.2	760	9,741	481	110
SHERWOOD	2,685	18.0	192	1,989	741	110
HUNTINGTON	555	8.4	69	888	1,600	106
STANFIELD	1,660	12.1	117	1,275	768	106
SUTHERLIN	4,320	36.8	346	3,837	888	104
CORNELIUS	5,050	23.7	274	2,467	489	104
BARLOW	100	1.1	16	109	1,091	104
REDMOND	6,740	66.5	443	6,871	1,019	103
HUBBARD	1,760	11.4	140	1,172	666	103
PRESCOTT	70	1.8	20	185	2,644	103
MYRTLE CREEK	3,200	16.1	210	1,653	517	102
WALDPORT	1,590	15.7	119	1,593	1,002	101
ELGIN	1,765	16.9	138	1,717	973	101
LAGRANDE	12,230	71.0	556	7,097	580	100
CANYON CITY	610	8.6	67	857	1,405	100
CARLTON	1,270	9.7	113	958	754	99
CRESWELL	1,895	10.5	121	1,032	545	99
ESTACADA	1,910	16.0	133	1,568	821	98
MADRAS	2,320	19.2	134	1,876	809	98
ECHO	605	6.2	73	601	994	97
MALIN	620	4.9	44	470	759	96
HARRISBURG	1,840	16.0	113	1,543	839	96
GATES	500	5.4	39	521	1,043	96
LAKE SIDE	1,420	13.3	108	1,270	895	96
RICHLAND	190	2.6	19	247	1,299	94
AMITY	1,040	10.4	85	936	900	90
HINES	1,470	11.5	83	1,028	699	90
DAYTON	1,390	8.9	100	793	571	69
ROCKAWAY	1,185	23.9	167	2,120	1,789	89
BAY CITY	1,100	14.5	107	1,270	1,155	88
WHEELER	350	6.5	42	567	1,621	88
GERVAIS	745	6.1	73	531	713	67
BEND	18,000	125.6	1,073	10,981	610	87
CENTRAL POINT	6,740	37.0	363	3,226	479	87
GLADSTONE	9,570	44.4	492	3,872	405	87
RAINIER	1,560	11.8	143	1,013	649	86
DONALD	275	2.8	35	239	868	86
GLENDALE	720	5.8	102	496	689	66
GARIBALDI	1,070	10.2	69	874	817	85
ENTERPRISE	2,070	18.7	154	1,582	764	85

TABLE IV-B.4

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Mile

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
BUTTE FALLS	450	3.1	38	259	576	84
CHILOQUIN	770	9.8	96	811	1,053	83
YAMHILL	650	6.6	63	533	820	81
RIDDLE	1,115	11.0	89	886	795	81
HERMISTON	9,890	62.5	516	4,975	503	80
GOLD HILL	910	10.4	61	821	902	79
KEIZER	19,800	67.4	407	5,271	266	78
WALLOMA	810	8.3	60	646	797	78
DETROIT	400	7.7	72	594	1,486	77
SILETZ	1,025	8.7	53	656	640	76
WESTON	730	11.4	81	863	1,182	75
TURNER	1,210	12.8	88	957	791	75
CANNON BEACH	1,250	14.2	154	1,064	851	75
UMATILLA	2,980	28.8	203	2,146	720	74
OAKLAND	850	8.4	53	627	738	74
INDEPENDENCE	4,145	30.9	226	2,292	553	74
MANZANITA	495	14.3	79	1,027	2,074	72
IMBLER	290	3.9	22	277	954	71
SUMMERVILLE	155	2.0	13	143	921	71
LYONS	870	10.2	38	717	824	71
JACKSONVILLE	1,990	15.3	134	1,074	540	70
CANYONVILLE	1,270	10.2	82	715	563	70
PRAIRIE CITY	1,125	8.0	43	557	495	70
YACHATS	560	9.7	58	669	1,194	69
COLUMBIA CITY	750	9.8	88	670	894	68
IONE	345	4.8	44	325	942	68
BROWNSVILLE	1,255	16.1	106	1,089	868	68
MONROE	460	5.5	36	368	800	67
HELIX	155	2.1	20	136	880	66
DEPOE BAY	825	12.9	60	829	1,004	64
VENETA	2,335	18.0	94	1,158	496	64
ADRIAN	155	2.2	13	143	921	64
FOSSIL	530	8.1	75	511	965	63
HALSEY	680	8.5	77	523	769	62
ARLINGTON	450	13.0	84	795	1,766	61
CONDON	720	15.6	130	953	1,324	61
ISLAND CITY	730	5.9	38	347	475	59
LEXINGTON	240	4.7	31	261	1,089	56
JORDAN VAL	445	4.4	24	243	545	56
DUNDEE	1,380	12.9	102	715	518	55
WATERLOO	210	3.6	18	201	956	55
NORTH PLAINS	930	8.2	59	436	469	53
ADAMS	245	3.9	28	191	779	49
IDANHA	345	5.9	30	278	807	47
LOWELL	705	6.3	23	291	412	47
COVE	530	6.6	31	305	576	46

TABLE IV-B.4

LUMENS PER CAPITA AND LUMENS PER ROAD MILE
Sorted By Descending Lumens Per Mile

City	Population	Total Road Miles	Total Lights	Total Lumens (1,000)	Lumens Per Capita	Thousand Lumens Per Mile
JEFFERSON	1,755	13.7	93	634	361	46
BONANZA	325	6.7	42	307	945	46
GEARHART	1,000	14.3	106	623	623	44
MORO	320	6.5	41	280	874	43
WILSONVILLE	3,700	106.3	460	4,419	1,194	42
CAVE JUNCTION	1,150	11.9	68	493	429	41
HAMMOND	525	8.1	62	332	633	41
GRASS VALLEY	180	4.3	25	170	947	40
FALLS CITY	780	11.3	45	425	545	38
HAINES	395	7.0	38	253	641	36
DUNES CITY	1,170	19.5	63	692	591	36
BURNS	2,830	27.2	45	961	340	35
KING CITY	1,830	7.6	19	267	146	35
JOSEPH	1,170	10.8	34	365	312	34
SENECA	265	2.8	13	93	350	33
METOLIUS	455	6.9	32	222	489	32
WARRENTON	2,475	42.9	205	1,366	552	32
LOSTINE	240	3.7	16	109	455	29
UNION	2,120	29.9	69	783	369	26
HOOD RIVER	4,490	31.0	143	804	179	26
SUMPTER	150	9.5	21	231	1,537	24
SCOTTS MILL	255	7.0	23	165	648	24
SHADY COVE	1,190	13.7	23	199	167	15
LONE ROCK	25	2.4	3	33	1,317	14
WASCO	445	7.4	4	27	61	4
UNITY	110	NA	8	173	1,571	NA
SISTERS	740	12.1	35	NA	NA	NA
TOTAL	1,520,805	8,252	114,500	1,435,406	-	-

Note: NA indicates not available.

TABLE V-A

1985 STREETLIGHT RATE PROFILE BY LIGHT TYPE AND OWNERSHIP
 All Major Utilities
 (Dollars per Month)

Light Type/ Ownership	Forest Grove	Salem Electric	Idaho	McMinnville	Tillamook PUD	City of Bandon	Canby	Milton Freewater
HPS Vapor 70 Watt								
A	--	7.12	--	--	--	--	--	--
B	--	--	--	--	--	--	--	--
C	--	--	--	--	--	--	--	--
HPS Vapor 100 Watt								
A	--	6.35	5.80	--	8.00	--	--	--
B	--	2.95	3.24	--	--	--	--	--
C	0.81	--	--	1.06	--	1.55	1.28	0.76
HPS Vapor 200 Watt								
A	--	8.19	7.09	--	9.00	--	--	--
B	--	4.29	4.54	--	--	--	--	--
C	1.56	--	--	2.06	--	3.00	2.47	1.47
Mercury Vapor 175 Watt								
A	--	5.10	6.64	--	--	--	--	--
B	--	2.70	--	--	--	--	--	--
C	1.39	--	--	--	--	2.68	--	--
Mercury Vapor 400 Watt								
A	--	--	10.99	--	--	--	--	--
B	--	--	7.81	--	--	--	--	--
C	--	--	--	--	--	6.07	--	--

Notes: " A " denotes utility owned and maintained.
 " B " denotes city owned, utility maintained.
 " C " denotes city owned and maintained.

TABLE V-A

1985 STREETLIGHT RATE PROFILE BY LIGHT TYPE AND OWNERSHIP
 All Major Utilities
 (Dollars per Month)

Light Type/ Ownership	PGE	PP&L	EWEB	SUB	Lincoln PUD	CP National	Northern Wasco	City of Ashland
HPS Vapor 70 Watt								
A	6.06	6.57	--	--	--	--	4.85	--
B	3.84	--	--	--	--	--	--	--
C	1.73	1.68	0.64	--	--	1.30	--	0.57
HPS Vapor 100 Watt								
A	6.98	7.57	--	--	7.50	8.61	--	--
B	4.59	--	--	--	--	--	--	--
C	2.42	2.39	0.78	--	--	1.86	--	0.81
HPS Vapor 200 Watt								
A	9.84	11.31	--	--	8.38	10.35	7.71	--
B	6.95	--	--	--	4.60	--	--	--
C	4.72	4.62	1.57	--	1.30	3.63	--	1.56
Mercury Vapor 175 Watt								
A	8.13	6.98	--	--	--	9.03	7.30	--
B	5.99	--	--	4.74	--	--	--	--
C	4.15	4.13	1.37	--	--	3.02	--	--
Mercury Vapor 400 Watt								
A	13.12	12.58	--	--	--	14.65	10.92	--
B	10.85	--	--	8.03	--	--	--	--
C	8.92	9.35	3.14	--	--	6.78	--	--

Notes: " A " denotes utility owned and maintained.
 " B " denotes city owned, utility maintained.
 " C " denotes city owned and maintained.

TABLE V-A

1985 STREETLIGHT RATE PROFILE BY LIGHT TYPE AND OWNERSHIP
 All Major Utilities
 (Dollars per Month)

Light Type/ Ownership	Columbia Basin	Consumers Power	Lane Electric	City of Monmouth	Columbia River PUD	Clatskanie PUD	EPUD	Central Electric
HPS Vapor 70 Watt								
A	4.00	9.45	--	--	5.75	--	5.35	--
B	--	--	--	--	--	--	--	--
C	--	--	--	--	--	--	--	--
HPS Vapor 100 Watt								
A	4.25	11.45	--	--	6.63	--	5.90	--
B	--	--	--	--	--	--	--	--
C	--	--	--	2.55	--	1.14	--	--
HPS Vapor 200 Watt								
A	5.00	--	--	--	8.95	--	10.15	--
B	--	--	--	--	--	--	--	--
C	--	--	--	4.93	--	--	--	--
Mercury Vapor 175 Watt								
A	--	7.50	6.65	--	7.72	--	--	4.75
B	--	--	--	--	5.69	--	--	--
C	--	--	--	--	--	1.98	--	--
Mercury Vapor 400 Watt								
A	--	11.95	10.15	--	12.46	--	--	7.00
B	--	--	--	--	10.50	--	--	--
C	--	--	--	--	--	4.47	--	--

Notes: " A " denotes utility owned and maintained.

" B " denotes city owned, utility maintained.

" C " denotes city owned and maintained.

TABLE V-B

1985 RATE ANALYSIS FOR ALL UTILITIES
Based On Selected Light Types
(Dollars per Month)

Light Type/ Ownership	Average	Standard Deviation	Maximum	Minimum
HPS Vapor 70 Watt				
A	6.14	1.55	9.45	4.00
B	3.84	0.80	3.84	3.84
C	1.18	0.50	1.73	0.57
HPS Vapor 100 Watt				
A	7.19	1.77	11.45	4.25
B	3.59	0.71	4.59	2.95
C	1.45	0.66	2.55	0.76
HPS Vapor 200 Watt				
A	8.72	1.67	11.31	5.00
B	5.10	1.08	6.95	4.29
C	2.74	1.34	4.93	1.30
Mercury Vapor 175 Watt				
A	6.98	1.23	9.03	4.75
B	4.78	1.29	5.99	2.70
C	2.67	1.09	4.15	1.37
Mercury Vapor 400 Watt				
A	11.54	2.04	14.65	7.00
B	9.30	1.39	10.85	7.81
C	6.46	2.22	9.35	3.14

Notes: " A " denotes utility owned and maintained.
" B " denotes city owned, utility maintained.
" C " denotes city owned and maintained.

TABLE V-C

STREETLIGHT RATE HISTORY BY SELECTED LIGHT TYPE
For Five Large Oregon Utilities

Year/Type	70 Watt HPSV					100 Watt HPSV				
	PGE	PP&L	Idaho Power	CP National	EMEB	PGE	PP&L	Idaho Power	CP National	EMEB
1976 A	--	--	--	--	--	--	--	--	--	--
B	--	--	--	--	--	--	--	--	--	--
C	--	--	--	--	--	--	--	--	--	--
1977 A	5.76	--	--	--	--	6.14	--	--	--	--
B	3.04	--	--	--	--	3.39	--	--	--	--
C	1.02	--	--	--	--	1.31	--	--	--	--
1978 A	5.24	--	--	--	--	5.54	--	--	--	--
B	2.76	--	--	--	--	3.03	--	--	--	--
C	1.23	--	--	--	--	1.62	--	--	--	--
1979 A	4.07	5.65	7.43	--	--	5.43	--	8.06	--	--
B	2.78	--	2.46	--	--	3.33	--	2.91	--	--
C	1.30	--	--	--	--	1.81	--	--	--	--
1980 A	5.00	5.76	7.43	--	--	5.70	--	8.06	--	--
B	3.06	--	2.46	--	--	3.66	--	2.91	--	--
C	1.45	--	--	--	--	2.03	--	--	--	--
1981 A	5.35	5.96	9.36	--	--	6.13	--	10.16	6.85	--
B	3.33	--	3.10	--	--	4.09	--	3.67	--	--
C	1.72	--	--	--	--	2.46	--	--	--	--
1982 A	5.73	6.50	10.67	--	--	7.20	--	11.59	7.70	--
B	3.62	--	3.54	--	--	4.43	--	4.19	--	--
C	1.63	1.30	--	--	--	2.30	--	--	--	0.60
1983 A	6.04	6.64	--	--	--	6.97	7.57	6.46	7.85	--
B	3.82	--	--	--	--	4.58	--	3.61	--	--
C	1.71	1.51	--	--	0.64	2.41	2.14	--	--	0.78
1984 A	6.06	6.50	--	--	--	6.98	7.47	5.80	8.61	--
B	3.84	--	--	--	--	4.59	--	3.24	--	--
C	1.73	1.62	--	--	0.64	2.42	2.30	--	1.86	0.78
1985 A	6.06	6.57	--	--	--	6.98	7.57	5.80	8.61	--
B	3.84	--	--	--	--	4.59	--	3.24	--	--
C	1.73	1.66	--	1.30	0.64	2.42	2.39	--	1.86	0.78
Growth Rates A	0.57%	2.18%	9.47%	--	--	1.43%	0.00%	-4.59%	3.88%	--
B	2.63%	--	9.53%	--	--	3.42%	--	1.55%	--	--
C	6.05%	4.96%	--	--	0.00%	7.06%	3.26%	--	0.00%	6.78%

TABLE V-C

STREETLIGHT RATE HISTORY BY SELECTED LIGHT TYPE
For Five Large Oregon Utilities

Year/Type	200 Watt HPSV					175 Watt MV				
	PGE	PP&L	Idaho Power	CP National	EWEB	PGE	PP&L	Idaho Power	CP National	EWEB
1976 A	--	--	--	--	--	3.48	3.95	4.05	--	3.77
B	--	--	--	--	--	2.33	--	3.05	--	--
C	--	--	--	--	--	1.43	--	--	--	--
1977 A	--	--	--	--	--	3.79	4.38	4.05	--	3.77
B	--	--	--	--	--	2.64	--	3.05	--	--
C	--	--	--	--	--	1.74	--	--	--	--
1978 A	--	--	--	--	--	4.63	4.55	4.70	--	3.84
B	--	--	--	--	--	2.88	--	3.00	--	--
C	--	--	--	--	--	2.20	--	--	--	--
1979 A	--	8.00	--	--	--	4.25	4.67	5.03	--	3.87
B	--	--	--	--	--	3.07	--	3.77	--	--
C	--	--	--	--	--	2.34	--	--	--	--
1980 A	6.99	9.08	--	--	--	4.82	4.98	5.03	--	4.06
B	4.81	--	--	--	--	3.53	--	3.77	--	--
C	3.27	--	--	--	--	2.65	--	--	--	--
1981 A	7.74	9.64	--	8.50	--	5.41	5.48	6.34	6.32	4.28
B	5.56	--	--	--	--	4.12	--	4.75	--	--
C	4.02	--	--	--	--	3.24	--	--	--	--
1982 A	9.23	10.77	--	8.76	--	6.85	6.22	7.24	7.70	--
B	6.04	--	--	--	--	5.16	--	5.42	--	--
C	3.93	3.80	--	--	1.20	3.45	3.39	--	--	1.05
1983 A	9.23	11.13	7.89	8.94	--	7.59	6.64	--	7.85	--
B	6.34	--	5.05	--	--	5.45	--	--	--	--
C	4.11	4.14	--	--	1.57	3.61	3.70	--	--	1.37
1984 A	9.84	11.13	7.09	10.35	--	8.13	6.82	--	9.03	--
B	6.95	--	4.54	--	--	5.99	--	--	--	--
C	4.72	4.44	--	3.63	1.57	4.15	3.97	--	3.02	1.37
1985 A	9.84	11.31	7.09	10.35	--	8.13	6.98	--	9.03	--
B	6.95	--	4.54	--	--	5.99	--	--	--	--
C	4.72	4.62	--	3.63	1.57	4.15	4.13	--	3.02	1.37
Growth Rates A	5.87%	3.64%	-3.50%	4.02%	--	8.86%	5.77%	8.65%	7.40%	2.14%
B	6.33%	--	-3.49%	--	--	9.90%	--	8.56%	--	--
C	6.31%	4.65%	--	0.00%	6.95%	11.24%	4.65%	--	0.00%	6.88%

TABLE V-C

STREETLIGHT RATE HISTORY BY SELECTED LIGHT TYPE
For Five Large Oregon Utilities

400 Watt MV					
Year/Type	PGE	PP&L	Idaho Power	CP National	EWEB
1976 A	5.23	5.95	6.75	—	4.26
B	3.68	—	4.80	—	—
C	2.68	—	—	—	—
1977 A	5.94	6.60	6.75	—	4.26
B	4.39	—	4.80	—	—
C	3.39	—	—	—	—
1978 A	6.98	7.10	8.05	—	4.40
B	5.12	—	5.35	—	—
C	4.39	—	—	—	—
1979 A	6.83	7.38	8.34	—	4.47
B	5.38	—	5.94	—	—
C	4.59	—	—	—	—
1980 A	8.01	8.06	8.34	—	4.89
B	6.27	—	5.94	—	—
C	5.27	—	—	—	—
1981 A	9.28	9.19	10.51	9.25	5.38
B	7.54	—	7.48	—	—
C	6.54	—	—	—	—
1982 A	11.76	10.61	11.99	11.82	—
B	9.26	—	8.53	—	—
C	7.43	7.68	—	—	2.40
1983 A	11.97	11.65	—	12.06	—
B	9.70	—	—	—	—
C	7.77	8.37	—	—	3.14
1984 A	13.12	12.23	—	14.65	—
B	10.85	—	—	—	—
C	8.92	8.99	—	6.78	3.14
1985 A	13.12	12.58	—	14.65	—
B	10.85	—	—	—	—
C	8.92	9.35	—	6.78	3.14
Growth Rates A	9.63%	7.65%	8.55%	9.63%	3.97%
B	11.42%	—	8.56%	—	—
C	12.78%	4.65%	—	0.00%	6.95%

TABLE V-C

STREETLIGHT RATE HISTORY BY SELECTED LIGHT TYPE
For Five Large Oregon Utilities

Notes:

- (1) All rates are based on the rate that was in effect on or around May 1 of each year. The following table specifies the date each year's rate came into effect:

Year	PGE	PP&L	Idaho Power	CP National	EMEB
1976	1/6/75	11/25/75	1/20/76	-	10/2/75
1977	12/23/76	12/20/76	1/20/76	-	10/2/75
1978	11/16/77	11/5/77	9/1/77	-	2/3/78
1979	1/26/79	6/4/79	7/1/79	-	2/5/79
1980	7/1/80	5/1/80	7/1/79	-	10/3/80
1981	3/1/81	5/7/81	10/15/80	9/5/81	6/6/81
1982	5/1/82	5/1/82	1/1/82	1/1/82	11/5/81
1983	5/31/83	4/27/83	4/11/83	1/6/83	11/4/82
1984	6/15/84	4/26/84	4/1/84	4/1/84	11/4/82
1985	6/15/84	7/1/85	4/1/84	4/1/84	11/4/82

- (2) Calculation of municipal rates are based on a cents/KWH rate charged to the city by BPA multiplied by PP&L's estimated consumption for each lamp type.
- (3) * A * denotes utility owned and maintained.
 * B * denotes city owned, utility maintained.
 * C * denotes city owned and maintained.
- (4) -- indicates not applicable.

VI-A

CITY OF FLORENCE RESOLUTION NO. 64

A RESOLUTION ESTABLISHING A STREET LIGHTING POLICY FOR THE CITY OF FLORENCE.

WHEREAS, on July 11, 1950, the voters of the City of Florence approved a continuing street lighting levy, and

WHEREAS, the provision of adequate lighting of principal City streets and intersections is an aid to the safety of motorists, cyclists and pedestrians, and

WHEREAS, street lights also offer some benefits to those privately owned properties that are partially lighted by the street lights, and

WHEREAS, it is in the public interest to avoid unnecessary use of electrical energy for any purpose including street lighting.

NOW THEREFORE, BE IT RESOLVED that it is the Policy of the City of Florence that street lighting has the primary function of adding to the safety of motorists, cyclists and pedestrians during the hours of darkness. It is not the City Policy to provide street lights for the specific, or sole purpose of protecting private property.

BE IT FURTHER RESOLVED that the following priorities are established for the location of street lights within the City. New lights shall be installed in the order set forth in this priority listing, except that street lights turned off for budgetary reasons during the period of September through November, 1981, that meet one of the 15 priorities, shall be turned on before any new street lights are ordered to be installed.

STREET LIGHT PRIORITIES

1. Highway 101: each intersection within City; and not less than 200' apart, from the Siuslaw River, north through 15th Street.
2. Each four-way intersection with all streets paved.
3. Each four-way intersection with at least two (2) streets paved.
4. All other four-way intersections.
5. Each three-way ("T") intersections with all streets paved.
6. Each three-way ("T") intersections with the through street paved.
7. All other three-way intersections.
8. At each paved cul-de-sac.
9. At each unpaved cul-de-sac, or dead-end street.

VI-A

CITY OF FLORENCE RESOLUTION NO. 64

10. Four hundred feet (400') apart on Rhododendron Drive, from Greenwood Street to 35th Street.
11. Midway between lighted intersections on other streets if distance exceeds six hundred fifty feet (650').
12. Four hundred feet (400') apart on other City streets without intersections, but not closer than three hundred twenty five (325') from a lighted intersection.
13. At entrance(s) where a Planned Unit Development (PUD) meets a City street.
14. At entrance(s) where a bike path meets a City street.
15. At entrance(s) to City Parks.

The Traffic Committee established by 7-2-1 of the City Code may add street lights at other locations and authorize specific exceptions to the above priorities when necessary in order to enhance the public safety and welfare.

Actual locations may be varied slightly depending upon placement of Central Lincoln PUD poles.

BE IT FURTHER RESOLVED that the City Manager (Budget Officer) shall annually prepare estimates for the City Budget, of the amount of property tax to be levied each year, to cover the cost of all street lights necessary to meet the foregoing criteria, and administration of the Street Lighting Program.

BE IT FURTHER RESOLVED that it shall be the Policy of the City of Florence:

1. That the City will pay the monthly cost of street lights only for standard luminaries as provided by Central Lincoln PUD, located upon standard poles. In the event that in the future residents of an area, or developers of a subdivision wish street lighting on more costly poles, then those residents, or developers shall pay to the City the entire additional cost, including billing costs and other administrative costs.

2. That in the event a resident, or group of residents of the City of Florence wish to have street lighting in addition to that provided by the policy herein, then that resident, or those residents shall pay the entire cost to the City, including billing and other administrative costs.

3. That the City of Florence does not provide street lights in alleys, nor at the entrances of alleys from public streets.

BE IT FURTHER RESOLVED that this street lighting policy for the City

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CITY OF FLORENCE RESOLUTION NO. 64

of Florence does not require, nor authorize the addition of any street lights unless the approved Street Light Fund Budget has sufficient monies to pay the cost. This street lighting policy may require the removal of existing street lights in inverse order of priority, if necessary, in order to avoid over-spending the approved Street Light Fund Budget.

PASSED BY THE COMMON COUNCIL, this 22nd day of December, 1981

APPROVED BY THE MAYOR, this 22nd day of December, 1981



Roger W. McCorkle, MAYOR

ATTEST:



Alice M. Hunt, CITY RECORDER

VI-B

BPA ENERGY SAVINGS FROM CONVERSION TO EFFICIENT STREETLIGHTING

7/1/83

Conversions or Retrofits		<u>Annual Energy Savings</u>		Expected Annual Energy Savings per Conversions or Retrofit (kWh)*
From	To	Lifetime (years)		
<u>Mercury Vapor</u>				
1,000 Watt	400 Watt HPS	20		2,789
	400 Watt MH	20		2,789
	180 Watt LPS	20		3,550
	310 Watt HPS	20		3,221
700 Watt	400 Watt HPS	20		1,331
	310 Watt HPS	20		1,764
	250 Watt MH	20		1,777
	180 Watt LPS	20		2,170
	150 Watt HPS	20		1,021
400 Watt	200 Watt HPS	20		853
	250 Watt MH	20		643
	135 Watt LPS	20		870
	100 Watt HPS			1,252
250 Watt	150 Watt HPS	20		378
	100 Watt HPS	20		609
	70 Watt HPS	20		773
	90 Watt LPS	20		490
175 Watt	100 Watt HPS	20		286
	70 Watt HPS	20		449
	55 Watt LPS	20		410
100 Watt	50 Watt HPS	20		206
<u>Fluorescent</u>				
660 Watt	250 Watt HPS			1,920
	400 Watt MH	20		1,378
	400 Watt HPS	20		1,378
	180 Watt LPS	20		1,750
	200 Watt HPS	20		2,264
400 Watt	200 Watt HPS	20		1,147
	180 Watt LPS	20		979
192 Watt	150 Watt HPS	20		250
	135 Watt LPS	20		90

* Computation was based on 4,200 hours burning time per year and line wattage for mercury vapor, HPS, and MH. Median circuit wattage over the lifetime of the Luminaire was used to calculate savings for LPS.

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BPA ENERGY SAVINGS FROM CONVERSION TO EFFICIENT STREETLIGHTING

7/1/83

Annual Energy Savings

<u>Conversions or Retrofit</u>		<u>Lifetime</u> <u>(years)</u>	<u>Expected Annual Energy</u> <u>Savings per Conversions</u> <u>or Retrofit (kWh)*</u>	
<u>From</u>	<u>To</u>			
<u>Incandescent</u>				
15,000 Lumen (860 Watt) (715 Watt)	150 Watt HPS	20	<u>860W</u> 2,827	<u>715W</u> 2,218
	175 Watt MH	20	2,772	2,163
	90 Watt LPS	20	2,820	2,354
10,000 Lumen (690 Watt) (620 Watt)	100 Watt HPS	20	<u>690W</u> 2,344	<u>620W</u> 2,050
	175 Watt MH	20	2,058	1,764
	90 Watt LPS	20	2,140	1,955
6,000 Lumen (448 Watt) (405 Watt)	70 Watt HPS	20	<u>448W</u> 1,491	<u>405W</u> 1,310
	55 Watt LPS	20	1,400	1,290
4,000 Lumen (327 Watt) (295 Watt)	70 Watt HPS	20	<u>327W</u> 983	<u>295W</u> 848
	55 Watt LPS	20	962	920
2,500 Lumen (202 Watt) (189 Watt)	70 Watt HPS	20	<u>202W</u> 458	<u>189W</u> 403

* Computation was based on 4,200 hours burning time per year and line wattage for mercury vapor, HPS, and MH. Median circuit wattage over the lifetime of the Luminaire was used to calculate savings for LPS.

(WP-PKL-2684c)

VI-C.1

PGE STREETLIGHT SCHEDULE 91

AVAILABLE

In all territory served by the Company.

APPLICABLE

To lighting service for public streets and highways, and public grounds and areas, supplied to municipalities or agencies of Federal or state governments where funds for payment for electric service are provided through taxation or property assessment.

CHARACTER OF SERVICE

From dusk to dawn daily, controlled by a photo-electric control or time switch to be mutually agreeable to the Customer and Company.

MONTHLY RATE FOR STANDARD EQUIPMENT

The following monthly rates are for Company-approved streetlighting luminaires. Option A is for luminaires owned, maintained and supplied with electric energy by the Company. Option B is for maintenance and energy supplied to luminaires owned by the Customer. Option C is for the furnishing of electric energy to luminaires owned and maintained by the Customer and installed only on Customer-owned poles. Under normal operating conditions, any required circuits for Option C luminaires will be owned and maintained by the Customer.

Maintenance by the Company includes group lamp replacement and glassware cleaning on Company schedule. Individual lamps will be replaced on burnout as soon as reasonably possible after notification by the Customer and subject to the Company's operating schedules and requirements.

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rate		
				Option A	Option B	Option C
Incandescent*	92	1,000	32	\$ 4.96	\$ 3.53	\$ 1.84
	182	2,500	64	6.82	5.39	3.68
	300	4,000	105	9.17	7.74	6.04
	405	6,000	142	11.35	9.92	8.17
Mercury Vapor**	100	4,000	41	6.82	4.36	2.36
	175	7,000	72	8.13	5.99	4.15
	250	10,000	99	10.89	7.74	5.70
	400	21,000	155	13.12	10.85	8.92
	1,000	55,000	397	28.47	25.14	22.86
Sodium Vapor	70	5,800	30	6.06	3.84	1.73
	100	9,500	42	6.98	4.59	2.42
	150	16,000	62	8.41	5.78	3.57
	200	22,000	82	9.84	6.95	4.72
	250	25,500	101	11.60	8.14	5.81
	400	48,000	158	14.51	11.38	9.10

* No new service.

** No new service under Option A except in established residential areas in order to provide compatibility with existing light services.

VI-C.2

RGE MONTHLY STREETLIGHT ENERGY USE CALCULATIONS

Lamp/ Lumens	Luminaire Type	Ballast Type	Line Watts	Loss 3.00%	Annual KWH*	Monthly KWH
100W/4,000L	MV	NPF Reactor	115	118.45	497.49	41.46
175W/7,000L	MV	NPF Reactor	200	206.00	865.20	72.10
250W/10,000L	MV	NPF Reactor	275	283.25	1,189.65	99.14
400W/21,000L	MV	NPF Reactor	430	442.90	1,860.18	155.02
700W/40,000L	MV	NPF Reactor	755	777.65	3,266.13	272.18
1,000W/55,000L	MV	NPF Reactor	1,102	1,135.06	4,767.25	397.27
70W/5,800L	HPS	NPF Reactor	83	85.49	359.06	29.92
70W/5,800L	HPS	NPF Reactor	93	95.79	402.32	33.53
100W/9,500L	HPS	NPF Reactor	117	120.51	506.14	42.18
100W/9,500L	HPS	NPF Reactor	132	135.96	571.03	47.59
150W/16,000L	HPS	NPF Reactor	171	176.13	739.75	61.65
200W/22,000L	HPS	NPF Reactor	227	233.81	982.00	81.83
250W/25,000L	HPS	NPF Reactor	281	289.43	1,215.61	101.30
400W/48,000L	HPS	NPF Reactor	438	451.14	1,894.79	157.90
1,000W/130,000L	HPS	Auto Regulator	1,106	1,139.18	4,784.56	398.71
175W/14,000L	MH	Auto Regulator	210	216.30	908.46	75.71
250W/20,000L	MH	Auto Regulator	300	309.00	1,297.80	108.15
400W/34,000L	MH	Auto Regulator	465	478.95	2,011.59	167.63
1,000W/100,000L	MH	Auto Regulator	1,090	1,122.70	4,715.34	392.95

VI-C.3

PGE SCHEDULE 91 COMPONENT COSTS

Luminaire Type	MONTHLY KWH	Energy Charge 0.05757	Option C	Circuit Charge	Maintenance Charge	Option B	Less Luminaire Replacement	Investment Charge	Option A
Mercury Vapor									
4,000 L	41	\$2.36	\$2.36	0.6	1.40	\$4.36	0.24	2.70	\$6.82
7,000 L	72	\$4.15	\$4.15	0.6	1.24	\$5.99	0.20	2.34	\$8.13
10,000 L	99	\$5.70	\$5.70	0.6	1.44	\$7.74	0.30	3.45	\$10.89
21,000 L	155	\$8.92	\$8.92	0.6	1.33	\$10.85	0.22	2.49	\$13.12
55,000 L	397	\$22.86	\$22.86	0.6	1.68	\$25.14	0.32	3.65	\$28.47
High-Pressure Sodium									
5,800 L	30	\$1.73	\$1.73	0.6	1.51	\$3.84	0.21	2.43	\$6.06
9,500 L	42	\$2.42	\$2.42	0.6	1.57	\$4.59	0.23	2.62	\$6.98
16,000 L	62	\$3.57	\$3.57	0.6	1.61	\$5.78	0.25	2.88	\$8.41
22,000 L	82	\$4.72	\$4.72	0.6	1.63	\$6.95	0.28	3.17	\$9.84
25,500 L	101	\$5.81	\$5.81	0.6	1.73	\$8.14	0.33	3.79	\$11.60
48,000 L	158	\$9.10	\$9.10	0.6	1.68	\$11.38	0.30	3.43	\$14.51
With Schedule 104 Adder of \$0.00119 per KWH									
Mercury Vapor									
10,000 L			\$5.82			\$7.86			\$11.01
21,000 L			\$9.10			\$11.03			\$13.30
55,000 L			\$23.33			\$25.61			\$28.94
High-Pressure Sodium									
22,000 L			\$4.82			\$7.05			\$9.94
25,500 L			\$5.93			\$8.26			\$11.72
48,000 L			\$9.29			\$11.57			\$14.70

TABLE VIJ-4
STREETLIGHT COUNT BY LIGHT TYPE AND WATTAGE
Utility Owned and Maintained

City	Utility Service	High Pressure Sodium Vapor							Metal Halide				Mercury Vapor						Incandescent					
		70	100	150	200	250	400	MISC	175	250	1000	75	175	250	400	1000	92	182	300	405	696	UTYPES		
ADAIR	CONSUMERS POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ADAMS	PPUL	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ADRIAN	IDAHO POWER	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALBANY	CONSUMERS POWER	20	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALBANY	PPUL	228	23	0	518	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALBANY	PEE	0	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ALBANY	PPUL	43	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ASHLAND	CITY OF ASHLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ASTORIA	PPUL	327	1	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ATHENA	PPUL	8	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AUGSBURG	PPUL	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AURORA	PEE	3	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BAKER	CP NATIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BANDON	BANDON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BANDON	PEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BANDON	PPUL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BARLOW	PEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BAY CITY	TILLAMOOK PUD	0	90	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BEAUMONT	PEE	263	101	0	60	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BEND	CENTRAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BEND	PPUL	60	161	0	152	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BONOMO	PPUL	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BOWMANVILLE	PPUL	16	6	0	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BURNS	CP NATIONAL	0	1	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BUTTE FALLS	PPUL	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CANBY	CANBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CANYON BEACH	PPUL	41	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CANYON CITY	CP NATIONAL	0	10	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CANYONVILLE	PPUL	6	2	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CARLTON	PEE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAVE JUNCTION	PPUL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CENTRAL POINT	PPUL	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CHILOQUIN	PPUL	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLATSOP	CLATSOP PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLATSOP	PPUL	3	0	0	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COOS BAY	PPUL	13	11	0	133	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COLUMBIA CITY	COLUMBIA RIVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COLUMBIA CITY	PEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CONDON	COLUMBIA BASIN	114	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COOS BAY	PPUL	34	16	0	281	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CORNELIUS	PEE	6	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CORNWALLIS	PPUL	204	190	0	421	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CORNWALLIS	CONSUMERS POWER	35	0	9	0	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COTTAGE GROVE	PPUL	56	0	0	37	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COVE	CP NATIONAL	0	19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CRESWELL	PPUL	27	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: UTYPES denotes unknown light type.

TABLE VII-A

STREET LIGHT COUNT BY LIGHT TYPE AND WATTAGE
Utility Owned and Maintained

City	Utility Service	High Pressure Sodium Vapor							Metal Halide			Mercury Vapor					Incandescent					
		70	100	150	200	250	400	MISC	175	250	1000	75	175	250	400	1000	92	182	300	485	650	UTYPES
DALLAS	P&U	29	19	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAYTON	P&E	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAYVILLE	CP NATIONAL	0	20	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEQUE BAY	CENTRAL LINCOLN	0	44	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DETROIT	COLUMBIAS POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DONALD	P&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUFUR	NORTHERN WASCO	95	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUNDEE	P&E	31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUNES CITY	CENTRAL LINCOLN	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DURHAM	P&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EARLE POINT	P&U	17	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECHO	P&U	5	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELGIN	CP NATIONAL	0	119	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTERPRISE	P&U	23	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTRODIA	P&E	3	10	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EURENE	EM&B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FALWITEN	P&E	2	3	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FALLS CITY	P&U	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORENCE	CENTRAL LINCOLN	0	207	0	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOREST GROVE	FOREST GROVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOSBIL	COLUMBIA BASIN	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GALLIBUDI	COLUMBIA BASIN	0	58	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GASTON	TILLAMOOK PALO	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GATES	P&U	6	1	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEARHART	P&U	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEARHARTS	P&E	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLAUSTONE	P&E	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLENDALE	P&U	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GOLD HILL	P&U	2	44	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRANTS PASS	P&U	20	37	0	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRASS VALLEY	P&U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRESHAM	P&E	64	173	1	18	2	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAINES	CP NATIONAL	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLFURY	TASHO POWER	0	14	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALSEY	P&U	3	3	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAWKINS	P&U	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARRISBURG	P&U	6	6	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HELLI	P&U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEPPNER	COLUMBIA BASIN	0	69	73	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEWITSON	P&U	68	9	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HILLSBORO	P&E	300	6	0	53	36	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINES	CP NATIONAL	0	72	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOOD RIVER	P&U	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUBBARD	P&E	4	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNTINGTON	TASHO POWER	0	44	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: UTYPES denotes unknown light type.

TABLE VII-A

STREETLIGHT COUNT BY LIGHT TYPE AND UTILITY
Utility Owned and Maintained

City	Utility Service	High Pressure Sodium Vapor						Metal Halide			Mercury Vapor						Incandescent					
		70	100	150	200	250	400	MISC	175	250	1000	75	175	250	400	1000	92	182	300	485	630	UTYPES
IDAHO	CONSUMERS POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDELR	CP NATIONAL	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INDEPENDENCE	PPAL	11	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IDNE	COLUMBIA BASIN	38	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLAND CITY	CP NATIONAL	0	14	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JACKSONVILLE	PPAL	93	2	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JEFFERSON	PPAL	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHN DAY	CP NATIONAL	0	21	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOHNSON CITY	PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JORDAN VALLEY	IBAND POWER	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JOSEPH	PPAL	25	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUNCTION CITY	PPAL	17	10	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEIZER	SALEN ELECTRIC	0	222	133	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KEIZER	PGE	0	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KING CITY	PGE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALAMOTH FALLS	PPAL	39	57	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAFAYETTE	PGE	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAGANOE	CP NATIONAL	0	301	0	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKE OSwego	PGE	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAKEVIEW	PPAL	21	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEBANNON	CONSUMERS POWER	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEBANON	PPAL	17	14	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LEITINGTON	COLUMBIA BASIN	19	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LINDOLN CITY	PPAL	14	57	0	4	158	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONE ROCK	COLUMBIA BASIN	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LONG CREEK	CP NATIONAL	0	35	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSTINE	PPAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWELL	EPUD	1	16	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYONS	PPAL	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAGARS	PPAL	1	43	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAJIN	PPAL	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAZANITA	TILLAMOOK PD	0	64	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAPLETON	CENTRAL LINCOLN	0	27	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCKINNVILLE	MCKINNVILLE	0	432	0	187	248	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEFRBO	PPAL	154	4	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEWILL	PPAL	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
METOLIS	PPAL	25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILL CITY	PPAL	47	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MULLEBURG	PPAL	3	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILTON FREEMAN	MILTON FREEMAN	12	40	0	15	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILWAUKIE	PGE	1	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOLALLA	PGE	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOULTON	PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONMOUTH	MONMOUTH, CITY OF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: UTYPES denotes unknown light types.

