



Productivity Measurement for Electric Utilities

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Abstract

Utilities, based on their type, either generate, transmit or distribute electricity or do combination of two or all three. This study tries to measure productivity of utilities based on their strategy and performance of generating, transmitting, and distributing electricity. The methodology is used to measure the relative efficiency of utilities is Data Envelope Analysis (DEA). For this study, northwest utilities (OR, WA, MT, and ID) that only generate or transmit the electricity are not considered. Besides, Malmquist Index is used to measure the productivity change between 2012 and 2013.

1 Introduction

In the past, various attempts have been made to determine the relative efficiency of electric utilities and measure the productivity changes. They measured efficiency and productivity from different perspectives, however, they mostly evaluate utilities based on labor, capital, fuel that are consumed to produce certain amount of electricity. Following table summarizes some of these efforts:

Publications	Sectors	Methods	Variable	
			Inputs	Outputs
Haeri (1997) [1]	Electric Utilities	DEA, Input-Oriented	1. Capital 2. Labor 3. Fuel 4. Operating Expenses 5. Load Factors	1. Total Physical Production
Fare (1987) [2]	Power Plants	Malmquist, CRS, Input-Oriented	1. Capital 2. Labor 3. Fuel	1. Net Generation
Forrester (1998) [3]	Electric Utilities	Malmquist, CRS, VRS, DRS	1. Labor 2. O&M 3. Pension & Benefits 4. Fuel 5. Capital	1. Physical Productions that Were Sold
Golany (1994) [4]	Power Plants	CRS	1. Installed Capacity 2. Fuel Consumption 3. Internal Power 4. Capital 5. Manpower 6. Misc. Expenses 7. Fuel Stock	1. Generated Power 2. Operational Availability 3. Deviation from Load 4. SO2 Emission 5. Deviation from Operational Parameters
Scully (1999) [5]	Electrical Supply Industry	Multilateral Tornqvist Total Factor Productivity	1. Capital 2. Labor 3. Electricity Purchased and Generated	1. Sales and Prices of Domestic, Commercial, Farm and Industrial

Table 1 – Literature Review

In this paper, utilities' efficiency and productivity is measured based on the revenue generated with respect to purchased or generated electricity, the energy loss during transmission and the free consumption of electricity. This study consists of seven sections. The first section describes electric utilities in the US, DEA and the Malmquist productivity Index. The second and third section describes the methodology followed and the data collected. The fourth section describes the DEA model and the inputs and outputs. The fifth section describes the results obtain, while the sixth section makes some concluding remarks. Finally, the seventh section described the limitation and future research.

1.1 Electric Utilities in the US

The electric utility market in the US has changed significantly over the last couple of decades. Deregulation throughout the US has allowed for increased competition in the electricity market. Due to natural monopolies that exist for the transmission and distribution of electricity, there was no possibly of introducing competition in these areas. Competition was however added in the generation of electricity, wholesale trading of electricity, and the sales of the electricity to retail customers. As a result of deregulation and competition, the structure of the market has become increasingly complex. The old vertical structure of electric utilities has shifted to a hybrid market of both competition in generating and distribution of electricity, and the persistence of vertically integrated utilities.

There are many types of electric utilities that exist in the US electricity market. Since this study focuses on Demand Side Management (DSM), the following only describes the main electric utilities that offer DSM programs [6]:

- Investor-owned Utilities - These are for-profit corporations serving all electric consumers within an assigned service territory,
- Municipal Utilities/Public Utility Districts - These are non-profit organizations run by a local government agency,
- Rural Electric Co-ops - These are not-for-profit utilities owned by customers and run by an elected board,

The following federal and federal and local authorities also promote DSM initiatives:

- Federal Power Agencies - These agencies market the power output of federal projects, giving preference to public bodies and co-ops.
- Public Benefit Fund Programs - A public benefit fund (PBF), available in some states, is used to fund initiatives to promote awareness of energy efficiency and renewable energy technologies (e.g. Energy Trust of Oregon).

1.2 Data Envelopment Analysis (DEA)

Data Envelopment Analysis (DEA) was first formulated by Charnes et al. [7], which built on earlier work by Farrell [8]. DEA is non parametric linear programming approach used for evaluating the performance of a set of DMUs which convert multiple inputs into multiple outputs. It is useful for cases where the

relationships between the inputs and outputs are complex or unknown and it does not require any prior assumptions. As opposed to regression, which fits a line through the center of the data, DEA creates a piecewise linear curve on top of the observations [9]. DEA has been used extensively in many different fields, including the energy sector. Zhou et al. [10] provide an extensive survey of DEA applications in energy and environmental studies. Applications of DEA mainly include electricity generation, distribution, and Green House Gas (GHG) emissions studies. There are two commonly used DEA models, first model named CCR (Charnes 1978) which is build on the assumption of constant rate of return (CRS) of activities and second model is BCC (Banker 1984) that is build on the assumption of variable rate of return (VRS) of activities. The input-oriented CRS envelopment model for calculating efficiencies is formulated as the following linear programming problem:

$$\begin{aligned}
 \min \quad & \theta \\
 \text{s.t.} \quad & \sum_{n=1}^N x_{nk} \lambda_k \leq \theta x_{n0} \quad n = 1, 2, \dots, N \\
 & \sum_{m=1}^M y_{mk} \lambda_k \geq y_{m0} \quad m = 1, 2, \dots, M \\
 & \lambda_k \geq 0 \quad k = 1, 2, \dots, K
 \end{aligned}$$

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 & \sum_{m=1}^M y_{mk} \lambda_k \geq y_{m0} \quad m = 1, 2, \dots, M \\
 & \sum_{i=1}^K \lambda_k = 1 \quad k = 1, 2, \dots, K \\
 & \lambda_k \geq 0 \quad k = 1, 2, \dots, K
 \end{aligned}$$

1.3 Malmquist Productivity Index

The Malmquist Productivity Index (MPI) reflects the progress or regress of a DMU's efficiency and the progress or regress of the frontier technology over time. Malmquist originally introduced the idea of the MPI in 1953, which was later developed into the nonparametric version [9]. In order to illustrate the concept of the MPI, Figure 1 illustrates a DMU at time t (D) and time $t + 1$ (H). The MPI for a specific DMU is calculated by taking the geometric mean of two ratios. These ratios are calculated by using the efficiencies of a DMU at time t and $t + 1$ for both frontiers. A value of greater than one signifies

productivity gain, less than one signifies productivity loss, and equal to one signifies no change. The formulation for the MPI, and how it relates to Figure 1 is as follows:

$$M_0 = \left[\frac{\theta^t(x_0^{t+1}, y_0^{t+1})}{\theta^t(x_0^t, y_0^t)} \frac{\theta^{t+1}(x_0^{t+1}, y_0^{t+1})}{\theta^{t+1}(x_0^t, y_0^t)} \right]^{1/2}$$

$$M_0 = \left[\frac{EH}{EG} \frac{EF}{EG} \frac{AC}{AB} \frac{AB}{AD} \right]^{1/2}$$

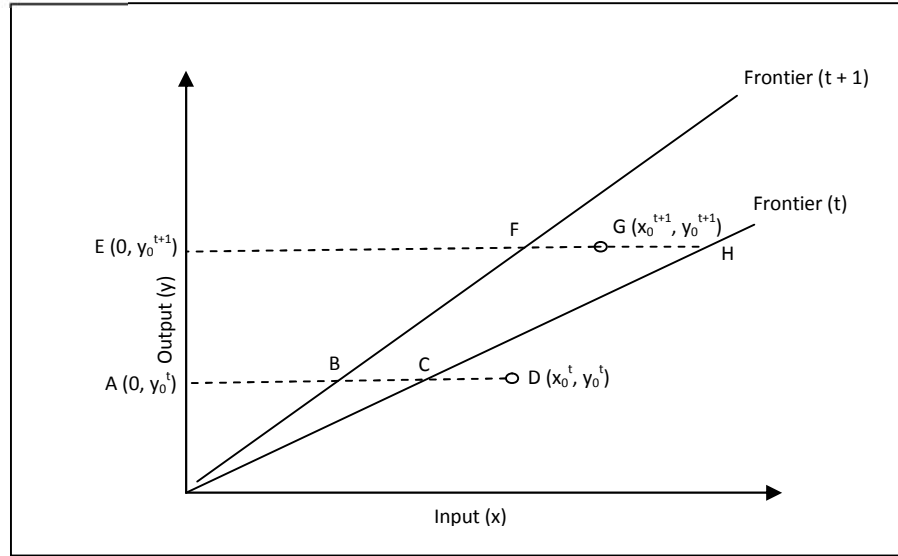


Figure 1: Description of Malmaquist Productivity Index

Fare et. al [11] decomposed the previous equation into two parts. The first part represents the change in technical efficiency from time t to $t + 1$, while the second part represents the shift in the frontier from time t to $t + 1$. Again, values greater than one signifies process, less than one regress, and equals to one no change. The formulation is as follows:

$$M_0 = \frac{\theta^{t+1}(x_0^{t+1}, y_0^{t+1})}{\theta^t(x_0^t, y_0^t)} \left[\frac{\theta^t(x_0^{t+1}, y_0^{t+1})}{\theta^{t+1}(x_0^{t+1}, y_0^{t+1})} \frac{\theta^t(x_0^t, y_0^t)}{\theta^{t+1}(x_0^t, y_0^t)} \right]^{1/2}$$

$$M_0 = TEC_0 \times FS_0$$

Chen and Ali [12] further analyzed the components of the Frontier Shift (FS). They noted a change in each component from time t to $t + 1$ represents a change in the facet a DMU is projected on, and used it to evaluate whether a strategy shift of a DMU was promising or not. Table 2 shows what a value of greater or less than one for each component represents.

$\frac{\theta^t(x_0^{t+1}, y_0^{t+1})}{\theta^{t+1}(x_0^{t+1}, y_0^{t+1})}$	$\frac{\theta^t(x_0^t, y_0^t)}{\theta^{t+1}(x_0^t, y_0^t)}$	Represents
> 1	> 1	DMU ₀ projected onto facet with positive shift (technology progresses)
< 1	< 1	DMU ₀ projected onto facet with negative shift (technology declines)
> 1	< 1	DMU ₀ moves from negative to positive shift facet
< 1	> 1	DMU ₀ moves from positive to negative shift facet

Table 2: Chen and Ali Analysis of the Frontier Shift

Ray and Delsi [13] show that the CRS MPI can be rewritten as the VRS MPI, which includes the change in pure technical efficiency, change in scale efficiency, and the frontier shift. The formulation is as follows [9], where θ_v is the VRS efficiency and θ_c is the CRS efficiency:

$$M_0^c = M_0^v \times SEC_0$$

where:

the VRS Malmquist Productivity Index is:

$$M_0^v = \frac{\theta_v^{t+1}(x_0^{t+1}, y_0^{t+1})}{\theta_v^t(x_0^t, y_0^t)} \left[\frac{\theta_v^t(x_0^{t+1}, y_0^{t+1})}{\theta_v^{t+1}(x_0^{t+1}, y_0^{t+1})} \frac{\theta_v^t(x_0^t, y_0^t)}{\theta_v^{t+1}(x_0^t, y_0^t)} \right]^{1/2}$$

$$M_0^v = PTEC_0 \times FS_0^v$$

the Scale Efficiency Change (SEC) is:

$$SEC_0 = \left[\frac{\sigma^t(x_0^{t+1}, y_0^{t+1})}{\sigma^t(x_0^t, y_0^t)} \frac{\sigma^{t+1}(x_0^{t+1}, y_0^{t+1})}{\sigma^{t+1}(x_0^t, y_0^t)} \right]^{1/2}$$

$$\sigma^t(x_0^{t+1}, y_0^{t+1}) = \frac{\theta_c^t(x_0^{t+1}, y_0^{t+1})}{\theta_v^t(x_0^{t+1}, y_0^{t+1})}$$

Grosskopf [14] mentions that the decomposition by Ray and Delsi [13] is the same as the Fare et al. [15] decomposition since SEC is equivalent to the scale change mentioned by Fare et al. multiplied by the CRS frontier shift, divided by the VRS frontier shift. The Fare et al decomposition [15] is as follows:

$$M_0^v = PTEC_0 \times FS_0^c \times \frac{\sigma^t(x_0^t, y_0^t)}{\sigma^{t+1}(x_0^{t+1}, y_0^{t+1})}$$

2 Methodology

The intention of this research is to analyze the change in productivity of electric utilities over time. Therefore data is required for multiple years for the same electric utilities. Due to the fact that data is not easily available for utilities, and it would be impractical to try obtain the data from multiple electric

utilities for more than one year, an online source of data is required. Once the data is collected, a DEA model will be created and analyzed using one year of data. The relevancy of the efficiencies would be analyzed and the model readjusted as required. Once the results are deemed as satisfactory, the MPI will be calculated for two successive years in the dataset. The results will be analyzed and any discrepancies in the data will be identified by disproportionate changes in efficiency and frontier shift. Finally the changes in the components of the frontier shift will be analyzed in the same manner as introduced by Chen and Ali [12], to identify any interesting changes in individual DMUs as well as the industry (i.e. all DMUs together).

3 Data Collection and Analysis

The US Energy Information Administration (EIA) has collected data from electric utilities from 1990 to 2013 [16] that was leveraged for this study. However, not the gathered data are the same for all these years for Operational section, because of the that 2012 & 2013 data were selected in which the gathered data were similar. The Operational data (2012 & 2013) section includes many data, however only six categories were selected for this study as follows :

- *Net generation, gross generation from all plants owned by utilities (MWH).*
- *Wholesale purchases, total amount of energy purchased from electricity suppliers (MWH).*
- *Energy furnished without charge, e.g. electricity used for public street and highway lighting (MWH).*
- *Energy consumed by Utilities without charge, e.g. electricity used in utilities' electric and other departments (MWH).*
- *Total energy losses, electricity lost in transmission and distribution (MWH).*
- *Utilities total revenue, e.g. from sales to ultimate customers, transmission, reselling electricity and so forth (\$).*

In order to keep the project scope small to meet time limitations, it was decided to study the Northwest region (OR, WA, MT & ID) utilities' that have complete information for both years.

4 DEA Model

For the DEA model, five inputs and one output were selected based on the available data. Net generation, wholesale power purchases, furnished without charge, consumed with utility without charge, and total energy losses were selected as inputs. Total utilities' revenue was selected as output. Figure 2 shows the DEA model used for this study.

The inputs and output were selected in order to study how well electric utilities' manage their supplies, demands (with and without charge), and energy losses during transmission and distribution. DEA helps us to determine whether the utilities can decrease their inputs, while maintaining the same amount of

output. Malmquist is used to determine how the efficiencies of these electric utilities change and how the frontier shifts over time. This aids us in understanding the change in performance of individual DMUs and the change in the industry as a whole.

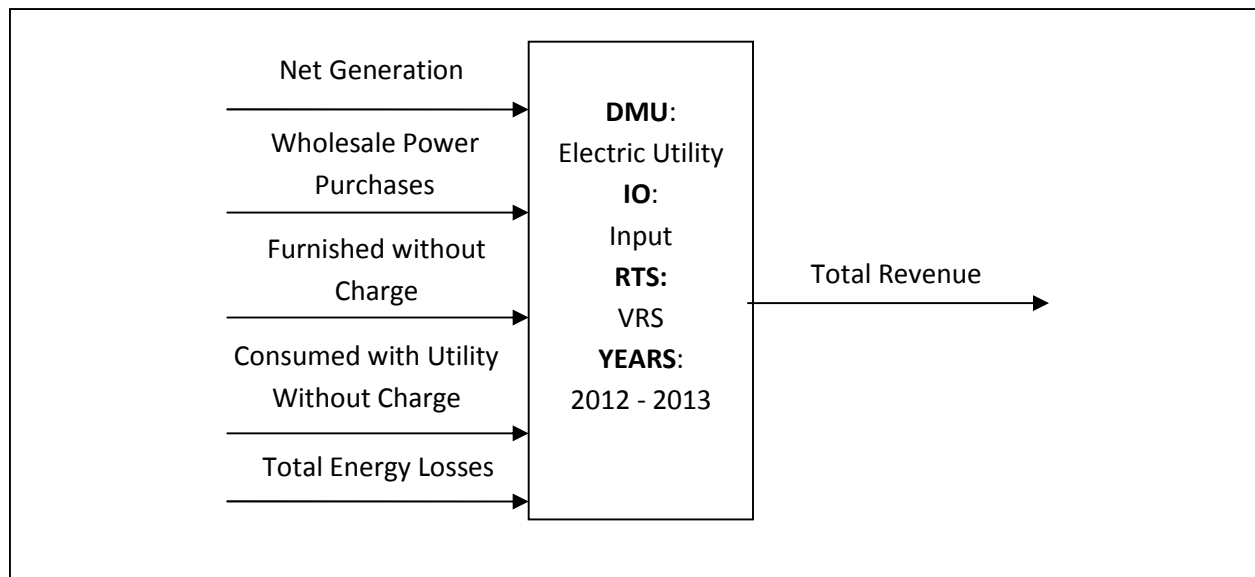


Figure 2: DEA Model

5 Results Discussion

The results showed that 20 utilities were efficient out of 104 considered utilities in 2012, while, the number of efficient DMUs were 25 in 2013. 16 Utilities remained efficient in both years, Table 3 shows the efficient units and their efficiency changes in 2012 & 2013. There are some dramatic changes in some of efficient utilities in either 2012 or 2013, NorthWestern Energy LLC - (MT) and Columbia River Peoples Ut Dist went from 100% efficiency in 2012 to 14% and 12% efficiency respectively in 2013. On the other hand, City of Eugene - (OR), Flathead Electric Coop Inc, Lakeview Light & Power, Oregon Trail El Cons Coop Inc, Tillamook Peoples Utility Dist, Umatilla Electric Coop Assn went from 12%, 7%, 26%, 8%, 10% and 5% efficiency respectively in 2012 to 100% efficiency in 2013. Table 4 & Table 5 show the inputs and output of these utilities. The comparison of inputs and outputs of DMUs in the year they were efficient with the year they lost their efficiency dramatically, revealed that all of them experience the same difference. While the inputs were changed a little, there was obvious that outputs huge changes drive these differences in the efficiency from one year to another. Other provided data in the operational section needs to be considered to understand what made these decrease or increase in utilities' total revenue from 2013 to 2012.

	Efficient Unit 2012	Efficiency 2013	Efficient Unit 2013	Efficiency 2012
1	PUD No 1 of Chelan County	1	PUD No 1 of Chelan County	1
2	Columbia Power Coop Assn Inc	1	Columbia Power Coop Assn Inc	1
3	Coos-Curry Electric Coop, Inc	1	Coos-Curry Electric Coop, Inc	1
4	PUD No 1 of Douglas County	1	PUD No 1 of Douglas County	1
5	City of Hermiston	1	City of Hermiston	1
6	Idaho Power Co	1	Idaho Power Co	1
7	Lane Electric Coop Inc	1	Lane Electric Coop Inc	1
8	Mid-Yellowstone Elec Coop, Inc	1	Mid-Yellowstone Elec Coop, Inc	1
9	City of Monmouth - (OR)	1	City of Monmouth - (OR)	1
10	PacifiCorp	1	PacifiCorp	1
11	Puget Sound Energy Inc	1	Puget Sound Energy Inc	1
12	Sheridan Electric Coop, Inc	1	Sheridan Electric Coop, Inc	1
13	City of Springfield - (OR)	1	City of Springfield - (OR)	1
14	Sun River Electric Coop, Inc	1	Sun River Electric Coop, Inc	1
15	PUD No 3 of Mason County	1	PUD No 3 of Mason County	1
16	TransAlta Energy Marketing (US) Inc	1	TransAlta Energy Marketing (US) Inc	1
17	NorthWestern Energy LLC - (MT)	0.14	City of Eugene - (OR)	0.12
18	Northern Wasco County PUD	0.92	Flathead Electric Coop Inc	0.07
19	Okanogan County Elec Coop, Inc	0.84	Hill County Electric Coop, Inc	0.56
20	Columbia River Peoples Ut Dist	0.12	Lakeview Light & Power	0.26
21			Oregon Trail El Cons Coop, Inc	0.08
22			Town of Steilacoom	0.94
23			Tillamook Peoples Utility Dist	0.10
24			Umatilla Electric Coop Assn	0.05
25			Emerald People's Utility Dist	0.96

Table 3 – Efficient DMUs in 2012 & 2013

Year	Utility Number	Utility Name	State	Ownership Type	Net Generation	Wholesale Power Purchases	Furnished without Charge	Consumed by Respondent without Charge	Total Energy Losses	Total Revenue
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457

Table 4 – Inputs and output of NorthWestern Energy LLC and Columbia River Peoples Ut Dist.

Year	Utility Number	Utility Name	State	Ownership Type	Net Generation	Wholesale Power Purchases	Furnished without Charge	Consumed by Respondent without Charge	Total Energy Losses	Total Revenue
2012	6022	City of Eugene - (OR)	OR	Municipal	800643	3533643	0	0	93014	244776
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2012	6395	Flathead Electric Coop Inc	MT	Cooperative	9303	1402064	0	1909	61942	91510
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2012	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2013	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2012	19325	Umatilla Electric Coop	OR	Cooperative	0	1022506	0	1596	47529	54686
2013	19325	Umatilla Electric Coop	OR	Cooperative	0	1141456	0	1466	54599	616328

Table 5 – Inputs and output some of inefficient utilities in 2012 turned into efficient ones in 2013

The results were analyzed in other way. Figure 3 and Figure 4 are demonstrations of lambda matrix in 2012 and 2013 respectively. Figures show the efficient units that have been peers for inefficient units. As highlighted in the figure, the city of Monmouth (12789), the town of Steilacoom (18051), and Mid-Yellowstone Elec. Coop, was the utilities that referred most. There are also two interesting utilities that neither being referred nor looked into other utilities. They were TranAlta Energy Marketing (19096) and Lakeview Light & Power (10627). TransAlta is the power marketer which is efficient in both years and since I used VRS and it is big utility, it is understandable why it is not peer of any inefficient units. However, Lakeview Light & Power is efficient in 2013 but not in 2012 which need more investigation to understand the anomaly why it had no peer in 2012 with regards to that it is was not efficient in 2012. A complete list of inputs and outputs can be found under Appendix A.

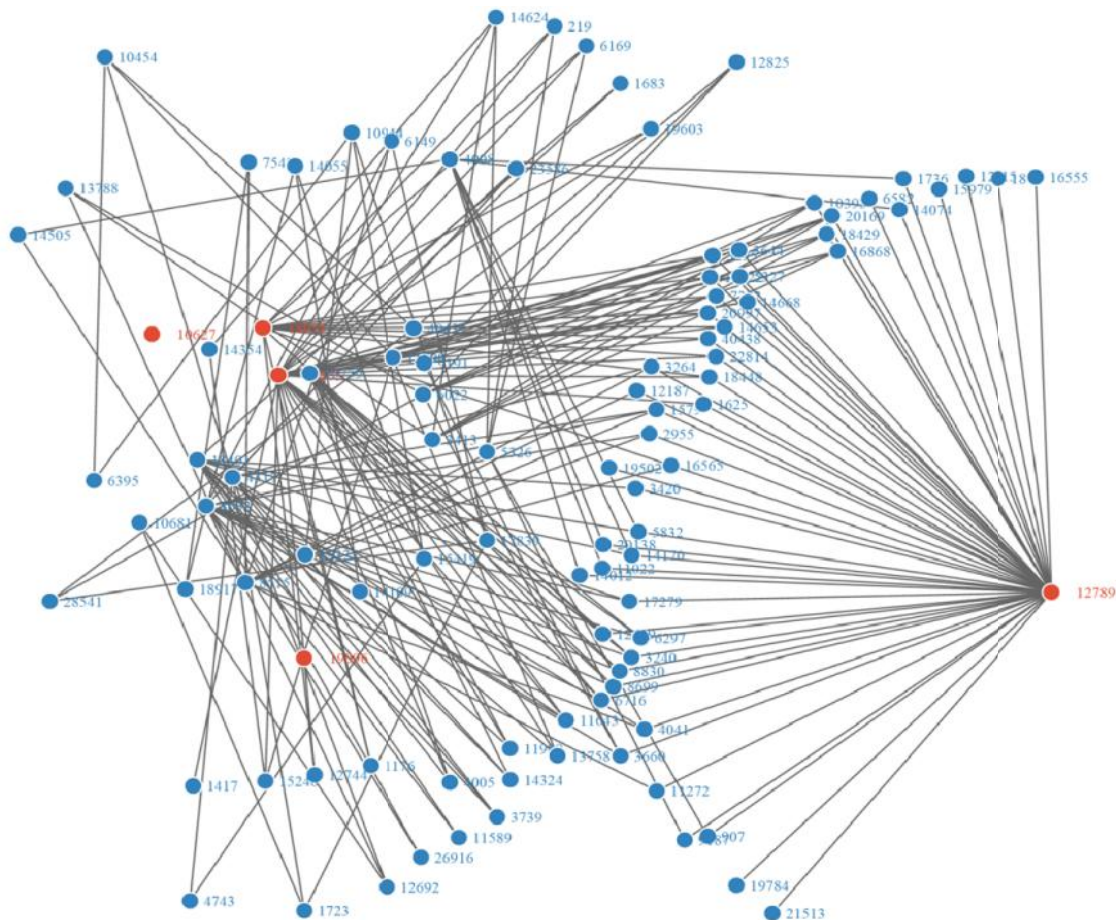


Figure 3 – Network of Lambda Matrix 2012

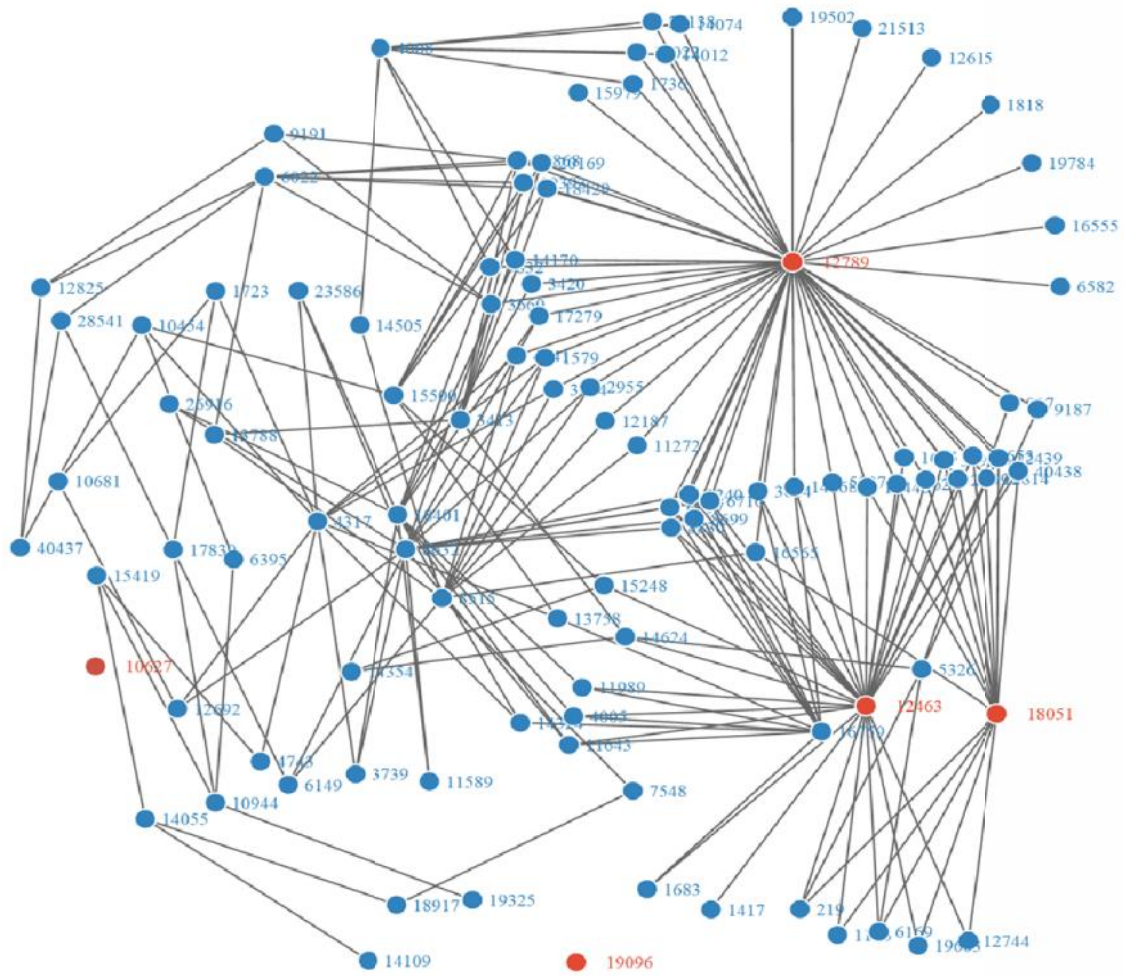


Figure 4 – Network of Lambda Matrix 2013

In order to further evaluate the VRS MPI values, we can create a two dimensional plot with the two main components of the MPI on each axis, namely the Frontier Shift (FS_0^v) and the Pure Technical Efficiency Change ($PTEC_0$). Since an MPI value of greater than one represents productivity gain, and less than one productivity loss, the following line was added to the plot in Figure 5:

$$M_0^v = PTEC_0 \times FS_0^v$$

$$\text{Set } M_0^v = 1$$

$$FS_0^v = \frac{1}{PTEC_0}$$

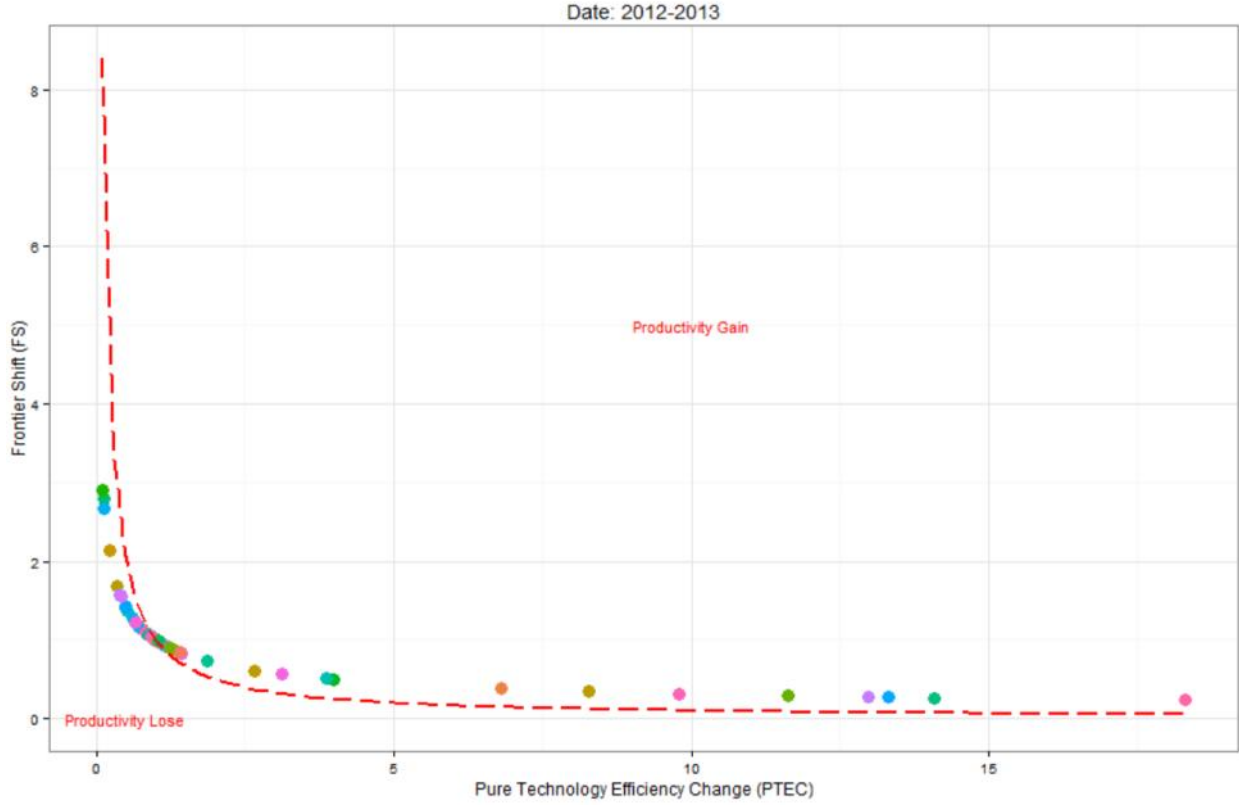


Figure 5: VRS Malmquist Productivity Index Components

The legend was not shown for Figure 6 since the purpose to show the proportion of the utilities that gained productivity vs. the ones who lost productivity. The intention of the plot in Figure 5 is to show the relationship between the VRS MPI components, and how a PTEC value of greater than one results in a MPI value of greater than one. The reason why the DMUs are located on a similar reciprocal curve as the red dotted line is because the reciprocal of the PTEC is part of the FS.

The two components of the FS, as described by Chen and Ali [12] and explained earlier in this paper, can be plotted similarly to the previous plot. An FS of greater than one represents technology process, and less than one technology regress, and therefore the following line was added to Figure 6:

$$FS_0^v = \left[\frac{\theta_v^t(x_0^{t+1}, y_0^{t+1})}{\theta_v^{t+1}(x_0^{t+1}, y_0^{t+1})} \frac{\theta_v^t(x_0^t, y_0^t)}{\theta_v^{t+1}(x_0^t, y_0^t)} \right]^{1/2}$$

$$FS_0^v = [FS^1 \times FS^2]^{1/2}$$

$$\text{Set } FS_0^v = 1$$

$$FS^2 = \frac{1}{FS^1}$$

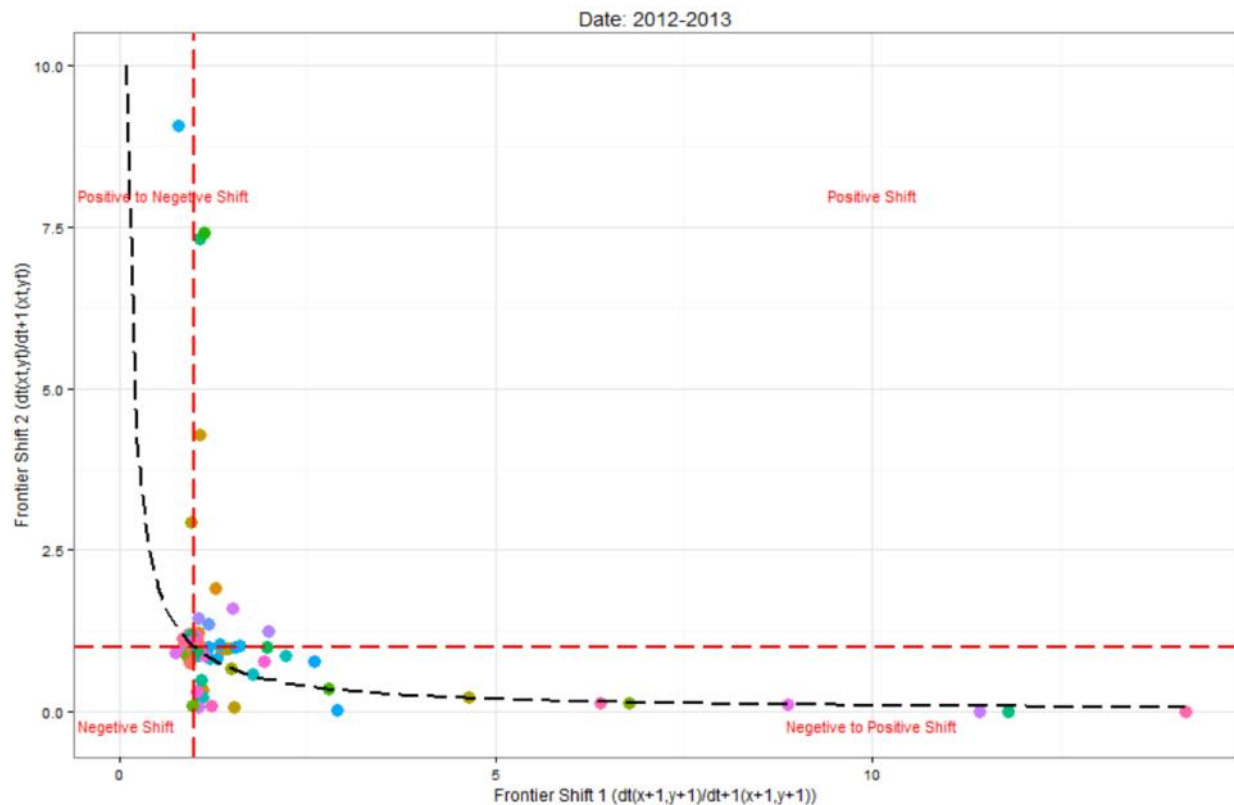


Figure 6: Frontier Shift Components

In Figure 6 the legends were eliminated to make the figure clearer, since the point was not to show each utilities change. The four quadrants, as explained by Chen and Ali [12], are shown, together with the reciprocal curve described above. There is an obvious change in all DMUs. From 2012 to 2013, the DMUs are located in all four quadrants. However, figure shows that most of utilities were in positive to negative and positive shifts quadrants. This would explain the change in number of efficient units from 20 DMUs to 25 DMUs from 2012 to 2013.

Though most of DMUs were in negative to positive shift and positive shift, Figure 5 shows that more than half of DMUs lost the productivity. So, we can conclude that Pure Technology Efficiency change is less than one for the most of these DMUs that could not make the productivity index greater than one.

A complete list of results can be found under Appendix B.

6 Conclusion

One of the purposes of this study was to examine if the ownership has any effect on the efficiency of utilities or not, since public owned utility were more likely to have furnished without consumption or inefficient operation that lead to more energy loss. However the results show that there is no obvious relation between the type of utilities and the efficiency of the utility. The results show that utilities with

different type of ownership were among the efficient DMUs in both years. Also, two most referred utilities by inefficient DMUS were cooperative and municipal.

The other purpose of this study was to examine if it is better to generate the electricity by utilities or buy it from third party. The results show that most of efficient utilities mostly did not generate electricity and bought it from third parties.

Furthermore, Figure 7 compares the inputs and output of efficient units in 2012 & 2013. The figure shows that Wholesale power purchases box plot shift does not match with energy loss, this could be another factor to push some of two of efficient DMUs (that had not dramatic change in total revenue) in 2012 out of frontier group. And the changes in total revenue's distribution could explain the huge changes in the total revenue that discussed in detail in result discussion section.

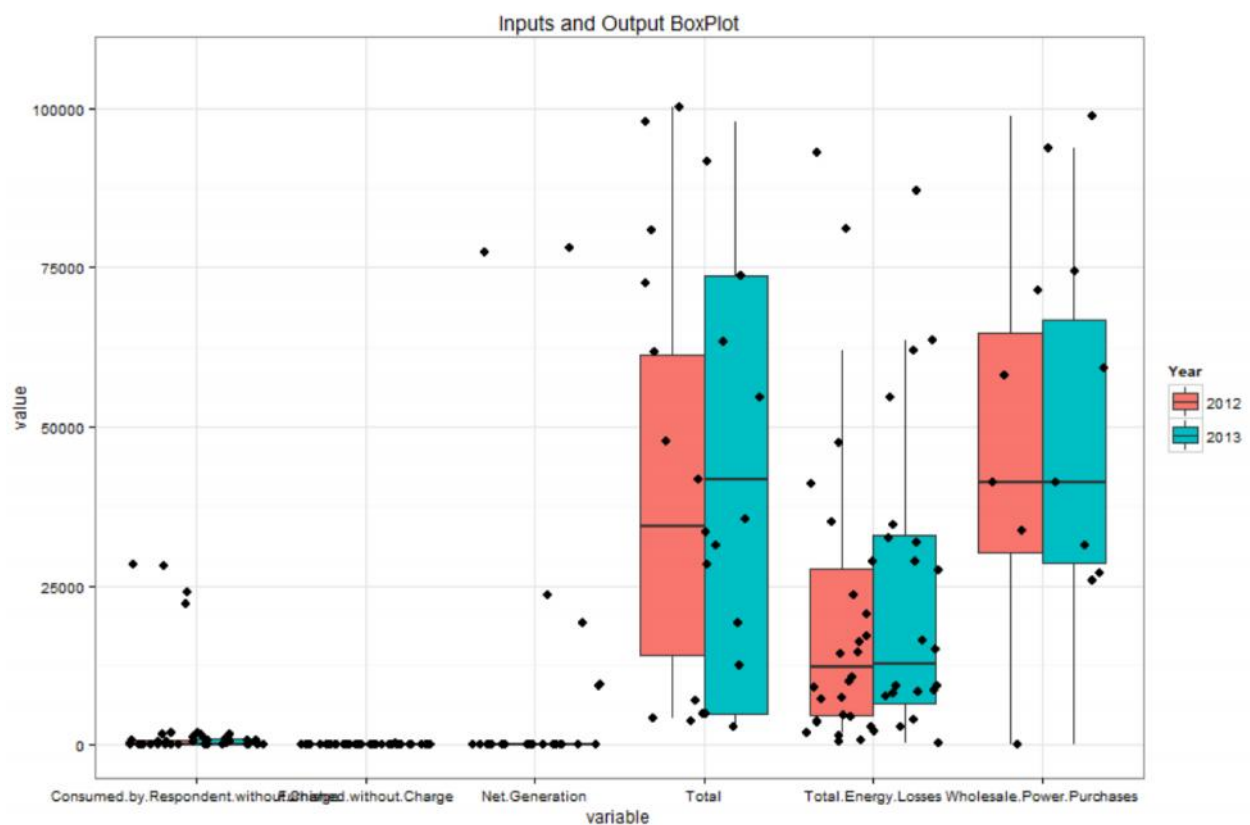


Figure 7 – Box Plot of Inputs and output of efficient DMUs

7 Recommendations and Future Work

This study relied heavily on the information that was publicly available on the EIA website [16]. The simple model created in this study was the simple representation of the performance of electric utilities with respects to utilities' operation that could be created with the information available.

7.1 Future Work

The main areas in which this study can be updated and extended are:

1. Add electric utilities outside the Northwest and compare by state/region,
2. Perform the same analysis per utility type instead of considering all together,
3. Consider using various type of return to scale rather than VRS,
4. Improve model by using other provided data in operational section,
5. Measure productivity index change for the years after 2013 as their data release,
6. There is an abundance of information on the EIA website that could be incorporated into the model that could allow for the evaluation of different aspects of electric utilities. One such option would be to evaluate the "innovativeness" of electric utilities by incorporating green pricing, net metering, and advanced metering initiatives. This could be used to identify which utilities are not adapting to changing market conditions and therefore signal potential issues for the electric utilities in future markets.

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Appendix A – Data

Year	Utility Number	Utility Name	State	Ownership Type	Net Generation	Wholesale Power Purchases	Furnished without Charge	Consumed by Respondent without Charge	Total Energy Losses	Total Revenue
2012	219	Alaska Power and Telephone Co	WA	Investor Owned	22261	50034	0	1482	5300	19749
2012	907	City of Ashland - (OR)	OR	Municipal	2230	183477	0	0	13559	12475
2012	1176	City of Bandon - (OR)	OR	Municipal	0	67909	0	405	3700	4963
2012	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	69087	0	290	6689	10216
2012	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2427858	0	2589	51829	129147
2012	1625	Benton Rural Electric Assn	WA	Cooperative	0	583219	0	92	25431	37876
2012	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	70627	0	264	7181	63711
2012	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	521820	0	362	27802	27583
2012	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	165459	0	282	6654	11605
2012	1818	City of Blaine - (WA)	WA	Municipal	0	78990	0	0	6180	5433
2012	2955	Canby Utility Board	OR	Municipal	0	175747	0	0	7063	97043
2012	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	695335	0	1117	47130	49533
2012	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1330901	0	3060	16802	77090
2012	3295	City of Centralia - (WA)	WA	Municipal	75960	198060	0	1386	11807	210681
2012	3413	PUD No 1 of Chelan County	WA	Political Subdivision	10272668	1134507	0	22248	4737	3110573
2012	3420	City of Cheney - (WA)	WA	Municipal	0	139334	0	0	7108	71374
2012	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	683723	0	2885	33336	51017
2012	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	847992	4740838	0	0	212419	360729

2012	3739	Clearwater Power Company	ID	Cooperative	0	194635	0	639	12958	173222
2012	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	111226	0	221	6121	76878
2012	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	26926	0	116	2726	35424
2012	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	316212	0	518	12195	21050
2012	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	356639	0	792	17168	311542
2012	4743	Consumers Power, Inc	OR	Cooperative	0	423736	0	1133	29898	330121
2012	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4655818	0	0	0	27431	72599
2012	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	158448	0	101	11935	13744
2012	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	273161	2409	0	10181	14720
2012	6022	City of Eugene - (OR)	OR	Municipal	800643	3533643	0	0	93014	244776
2012	6149	City of Ellensburg - (WA)	WA	Municipal	0	208565	0	0	6417	13341
2012	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	29628	276947	0	3615	18306	258734
2012	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	106187	0	211	2923	76309
2012	6395	Flathead Electric Coop Inc	MT	Cooperative	9303	1402064	0	1909	61942	91510
2012	6582	City of Forest Grove	OR	Municipal	0	241716	0	0	9163	138828
2012	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1376692	0	1658	53727	72592
2012	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	184771	0	438	15192	14877
2012	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	15100	1648304	0	4005	7888	91934
2012	8515	City of Hermiston	OR	Municipal	0	106437	0	0	1806	7057
2012	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	132773	0	0	7265	12521

2012	8699	Inland Power & Light Company	WA	Cooperative	0	924622	0	2102	69159	60867
2012	8830	Hood River Electric Coop	OR	Cooperative	0	114208	0	104	5657	74901
2012	9187	City of Idaho Falls - (ID)	ID	Municipal	269278	831168	0	0	85198	55087
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901

2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703

2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400

2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	219	Alaska Power and Telephone Co	WA	Investor Owned	22261	50034	0	1482	5300	19749
2012	907	City of Ashland - (OR)	OR	Municipal	2230	183477	0	0	13559	12475
2012	1176	City of Bandon - (OR)	OR	Municipal	0	67909	0	405	3700	4963
2012	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	69087	0	290	6689	10216
2012	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2427858	0	2589	51829	129147
2012	1625	Benton Rural Electric Assn	WA	Cooperative	0	583219	0	92	25431	37876
2012	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	70627	0	264	7181	63711
2012	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	521820	0	362	27802	27583
2012	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	165459	0	282	6654	11605
2012	1818	City of Blaine - (WA)	WA	Municipal	0	78990	0	0	6180	5433
2012	2955	Canby Utility Board	OR	Municipal	0	175747	0	0	7063	97043
2012	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	695335	0	1117	47130	49533
2012	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1330901	0	3060	16802	77090
2012	3295	City of Centralia - (WA)	WA	Municipal	75960	198060	0	1386	11807	210681
2012	3413	PUD No 1 of Chelan County	WA	Political Subdivision	1027266 8	1134507	0	22248	4737	3110573
2012	3420	City of Cheney - (WA)	WA	Municipal	0	139334	0	0	7108	71374
2012	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	683723	0	2885	33336	51017
2012	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	847992	4740838	0	0	212419	360729
2012	3739	Clearwater Power Company	ID	Cooperative	0	194635	0	639	12958	173222
2012	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	111226	0	221	6121	76878

2012	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	26926	0	116	2726	35424
2012	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	316212	0	518	12195	21050
2012	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	356639	0	792	17168	311542
2012	4743	Consumers Power, Inc	OR	Cooperative	0	423736	0	1133	29898	330121
2012	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4655818	0	0	0	27431	72599
2012	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	158448	0	101	11935	13744
2012	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	273161	2409	0	10181	14720
2012	6022	City of Eugene - (OR)	OR	Municipal	800643	3533643	0	0	93014	244776
2012	6149	City of Ellensburg - (WA)	WA	Municipal	0	208565	0	0	6417	13341
2012	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	29628	276947	0	3615	18306	258734
2012	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	106187	0	211	2923	76309
2012	6395	Flathead Electric Coop Inc	MT	Cooperative	9303	1402064	0	1909	61942	91510
2012	6582	City of Forest Grove	OR	Municipal	0	241716	0	0	9163	138828
2012	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1376692	0	1658	53727	72592
2012	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	184771	0	438	15192	14877
2012	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	15100	1648304	0	4005	7888	91934
2012	8515	City of Hermiston	OR	Municipal	0	106437	0	0	1806	7057
2012	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	132773	0	0	7265	12521
2012	8699	Inland Power & Light Company	WA	Cooperative	0	924622	0	2102	69159	60867
2012	8830	Hood River Electric Coop	OR	Cooperative	0	114208	0	104	5657	74901

2012	9187	City of Idaho Falls - (ID)	ID	Municipal	269278	831168	0	0	85198	55087
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton- Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706

2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978

2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	219	Alaska Power and Telephone Co	WA	Investor Owned	22261	50034	0	1482	5300	19749
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2012	1176	City of Bandon - (OR)	OR	Municipal	0	67909	0	405	3700	4963
2012	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	69087	0	290	6689	10216
2012	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2427858	0	2589	51829	129147
2012	1625	Benton Rural Electric Assn	WA	Cooperative	0	583219	0	92	25431	37876
2012	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	70627	0	264	7181	63711
2012	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	521820	0	362	27802	27583
2012	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	165459	0	282	6654	11605
2012	1818	City of Blaine - (WA)	WA	Municipal	0	78990	0	0	6180	5433
2012	2955	Canby Utility Board	OR	Municipal	0	175747	0	0	7063	97043
2012	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	695335	0	1117	47130	49533
2012	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1330901	0	3060	16802	77090
2012	3295	City of Centralia - (WA)	WA	Municipal	75960	198060	0	1386	11807	210681
2012	3413	PUD No 1 of Chelan County	WA	Political Subdivision	1027266 8	1134507	0	22248	4737	3110573
2012	3420	City of Cheney - (WA)	WA	Municipal	0	139334	0	0	7108	71374
2012	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	683723	0	2885	33336	51017
2012	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	847992	4740838	0	0	212419	360729
2012	3739	Clearwater Power Company	ID	Cooperative	0	194635	0	639	12958	173222
2012	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	111226	0	221	6121	76878
2012	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	26926	0	116	2726	35424
2012	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	316212	0	518	12195	21050
2012	4317	Coos-Curry Electric	OR	Cooperative	0	356639	0	792	17168	311542

Coop, Inc										
2012	4743	Consumers Power, Inc	OR	Cooperative	0	423736	0	1133	29898	330121
2012	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4655818	0	0	0	27431	72599
2012	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	158448	0	101	11935	13744
2012	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	273161	2409	0	10181	14720
2012	6022	City of Eugene - (OR)	OR	Municipal	800643	3533643	0	0	93014	244776
2012	6149	City of Ellensburg - (WA)	WA	Municipal	0	208565	0	0	6417	13341
2012	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	29628	276947	0	3615	18306	258734
2012	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	106187	0	211	2923	76309
2012	6395	Flathead Electric Coop Inc	MT	Cooperative	9303	1402064	0	1909	61942	91510
2012	6582	City of Forest Grove	OR	Municipal	0	241716	0	0	9163	138828
2012	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1376692	0	1658	53727	72592
2012	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	184771	0	438	15192	14877
2012	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	15100	1648304	0	4005	7888	91934
2012	8515	City of Hermiston	OR	Municipal	0	106437	0	0	1806	7057
2012	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	132773	0	0	7265	12521
2012	8699	Inland Power & Light Company	WA	Cooperative	0	924622	0	2102	69159	60867
2012	8830	Hood River Electric Coop	OR	Cooperative	0	114208	0	104	5657	74901
2012	9187	City of Idaho Falls - (ID)	ID	Municipal	269278	831168	0	0	85198	55087
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456

2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036

2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427

2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238

2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602

2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411

2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589

2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663

2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171
2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	1800987 7	0	28109	161053 7	2222220 4

2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	9191	Idaho Power Co	ID	Investor Owned	1385900 1	3667462	0	0	125395 3	1075085 8
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362
2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248

2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	14624	PUD No 2 of Grant County	WA	Political Subdivision	9933080	987343	151730 7	13412	180076	263266
2012	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	377759	776590	0	872	8876	46170
2012	14668	Peninsula Light Company	WA	Cooperative	0	607163	0	1213	26275	54153
2012	15248	Portland General Electric Co	OR	Investor Owned	9559421	1265425 3	0	24148	101535 1	1823171

2012	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	700141	0	1633	34971	487929
2012	15500	Puget Sound Energy Inc	WA	Investor Owned	8999259	18009877	0	28109	1610537	22222204
2012	15979	City of Richland - (WA)	WA	Municipal	0	875174	0	0	27656	51173
2012	16555	Salem Electric - (OR)	OR	Cooperative	0	323319	0	0	11246	24703
2012	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	282490	0	277	4470	11589
2012	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	123176	0	430	9005	119978
2012	16868	City of Seattle - (WA)	WA	Municipal	6933963	9397808	0	17947	584310	816602
2012	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	132923	0	0	9731	95511
2012	17839	City of Springfield - (OR)	OR	Municipal	0	840678	0	0	28770	469427
2012	9191	Idaho Power Co	ID	Investor Owned	13859001	3667462	0	0	1253953	10750858
2012	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	180677	311232	0	27076	16845	370456
2012	10454	Kootenai Electric Cooperative	ID	Cooperative	9776	442906	0	844	29783	339858
2012	10627	Lakeview Light & Power	WA	Cooperative	0	272994	236	0	8449	19177
2012	10681	Lane Electric Coop Inc	OR	Cooperative	0	241987	0	0	14293	215143
2012	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1329	1305301	0	1346	31079	61502
2012	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	117576	389	0	8887	8912
2012	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	189983	0	0	4737	17511
2012	11589	Harney Electric Coop, Inc	OR	Cooperative	0	221095	493	0	21054	113606
2012	11643	Marias River Electric Coop Inc	MT	Cooperative	0	94979	228	0	8515	6828
2012	11989	McCone Electric Coop Inc	MT	Cooperative	0	75243	0	263	8289	78292
2012	12187	City of McMinnville - (OR)	OR	Municipal	0	730827	0	0	13700	37362

2012	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	394270	0	1046	22416	27147
2012	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	33663	0	62	4312	4248
2012	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	107854	0	0	2645	7779
2012	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	224104	51	0	14193	198663
2012	12744	Modern Electric Water Company	WA	Cooperative	0	220484	0	3261	8167	13901
2012	12789	City of Monmouth - (OR)	OR	Municipal	0	71410	0	0	2091	63411
2012	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1813006	5699598	0	0	349533	6961706
2012	13758	Northern Lights, Inc	ID	Cooperative	29880	307376	0	1271	21109	256238
2012	13788	Northern Wasco County PUD	OR	Political Subdivision	77315	521239	0	582	10055	282617
2012	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	83823	167	0	5574	7036
2012	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	885352	0	2422	34637	39950
2012	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	58003	85	0	3677	4907
2012	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	664700	0	1182	31910	47630
2012	14170	Orcas Power & Light Coop	WA	Cooperative	0	214865	523	0	19176	20417
2012	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	303585	0	664	17066	221925
2012	14354	PacifiCorp	OR	Investor Owned	5726905 6	1371683 6	0	152155	459381 9	4849485 9
2012	14505	Parkland Light & Water Company	WA	Cooperative	0	120357	0	0	3580	6796
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895

2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791
2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046

2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465
2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567
2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1350693	0	3160	33020	78192
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011
2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116
2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365

2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	279749	2425	0	9951	15302
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869
2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174
2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat	WA	Political	211298	404455	0	32691	24286	412648

County			Subdivision							
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407

2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791

2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046
2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465
2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567
2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1350693	0	3160	33020	78192
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011
2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116

2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365
2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	279749	2425	0	9951	15302
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869
2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174
2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473

2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794

2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862

2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791
2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046
2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465
2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567
2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1350693	0	3160	33020	78192
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011

2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116
2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365
2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	279749	2425	0	9951	15302
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869
2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174
2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296

2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton- Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302

2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564

2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791
2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046
2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465
2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567
2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's	OR	Political	0	1350693	0	3160	33020	78192

Ut Dt		Subdivision								
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011
2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116
2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365
2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	279749	2425	0	9951	15302
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869
2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174

2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411

2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379
2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241

2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791
2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046
2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465
2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567

2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1350693	0	3160	33020	78192
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011
2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116
2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365
2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power & Light Co	WA	Cooperative	0	279749	2425	0	9951	15302
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869

2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174
2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric	MT	Cooperative	0	95037	0	205	7643	71133

Coop Inc										
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2012	18051	Town of Steilacoom	WA	Municipal	0	41343	0	339	2723	31234
2012	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	98745	0	0	9303	100173
2012	18429	City of Tacoma - (WA)	WA	Municipal	3317805	4722992	0	17845	239251	3511895
2012	18448	Tanner Electric Coop	WA	Cooperative	0	95628	0	250	3650	9500
2012	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	485278	0	950	23561	33370
2012	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	93952	0	184	10593	11394
2012	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	2556801 1	0	0	151997	694379

2012	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1022506	0	1596	47529	54686
2012	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	273052	0	0	14352	15101
2012	19603	USBIA-Mission Valley Power	MT	Federal	0	393197	0	3046	36849	26241
2012	19784	Vera Irrigation District #15	WA	Political Subdivision	0	230012	0	0	9750	14059
2012	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	112284	26	0	4951	9977
2012	20169	Avista Corp	WA	Investor Owned	6952124	8188382	0	10284	623656	877564
2012	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	275417	0	696	27882	30600
2012	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	209000	0	0	11000	22400
2012	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	325858	0	487	16414	16862
2012	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175342	0	88	15234	118239
2012	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	154113	0	319	10603	12081
2012	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	73249	1187181	0	320	42950	45791
2012	40437	Emerald People's Utility Dist	OR	Political Subdivision	23504	555979	0	652	20429	374733
2012	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	476033	0	503	14468	277785
2013	219	Alaska Power and Telephone Co	WA	Investor Owned	23271	49542	0	1472	5433	20046
2013	907	City of Ashland - (OR)	OR	Municipal	2235	182820	0	0	8216	13313
2013	1176	City of Bandon - (OR)	OR	Municipal	0	67365	0	382	4750	4880
2013	1417	Beartooth Electric Coop, Inc	MT	Cooperative	0	72730	0	336	9459	10460
2013	1579	PUD No 1 of Benton County	WA	Political Subdivision	0	2390604	0	2538	76615	137319
2013	1625	Benton Rural Electric Assn	WA	Cooperative	0	606047	0	81	36705	39465

2013	1683	Big Horn County Elec Coop, Inc	MT	Cooperative	0	71580	0	336	6234	65572
2013	1723	Big Bend Electric Coop, Inc	WA	Cooperative	0	532772	0	370	27416	290713
2013	1736	Blachly-Lane County Coop El Assn	OR	Cooperative	0	173649	289	0	8720	12567
2013	1818	City of Blaine - (WA)	WA	Municipal	0	78376	0	0	4959	5280
2013	2955	Canby Utility Board	OR	Municipal	0	179632	0	0	6753	99262
2013	3240	Central Electric Coop Inc - (OR)	OR	Cooperative	0	729576	0	919	47711	52154
2013	3264	Central Lincoln People's Ut Dt	OR	Political Subdivision	0	1350693	0	3160	33020	78192
2013	3295	City of Centralia - (WA)	WA	Municipal	71555	201782	0	721	12274	22306
2013	3413	PUD No 1 of Chelan County	WA	Political Subdivision	9446297	2736617	0	24018	63539	3508986
2013	3420	City of Cheney - (WA)	WA	Municipal	0	147895	0	0	9882	74011
2013	3644	PUD No 1 of Clallam County	WA	Political Subdivision	0	682373	0	2807	36707	51889
2013	3660	PUD No 1 of Clark County - (WA)	WA	Political Subdivision	1729846	3764329	0	0	202069	373657
2013	3739	Clearwater Power Company	ID	Cooperative	0	203499	0	291	14017	178116
2013	4005	Columbia Basin Elec Cooperative, Inc	OR	Cooperative	0	116241	0	231	11915	80392
2013	4008	Columbia Power Coop Assn Inc	OR	Cooperative	0	25732	134	0	757	3744
2013	4041	Columbia Rural Elec Assn, Inc	WA	Cooperative	0	343228	0	790	14956	225365
2013	4317	Coos-Curry Electric Coop, Inc	OR	Cooperative	0	355247	0	804	17091	321779
2013	4743	Consumers Power, Inc	OR	Cooperative	0	431261	0	1181	34677	341109
2013	5326	PUD No 1 of Douglas County	WA	Political Subdivision	4472774	0	0	0	9193	80823
2013	5327	Douglas Electric Coop - (OR)	OR	Cooperative	0	162174	0	108	13853	14039
2013	5832	Elmhurst Mutual Power	WA	Cooperative	0	279749	2425	0	9951	15302

		& Light Co								
2013	6022	City of Eugene - (OR)	OR	Municipal	793484	3219231	0	0	81103	2494207
2013	6149	City of Ellensburg - (WA)	WA	Municipal	0	207748	0	0	7066	139288
2013	6169	Fall River Rural Elec Coop Inc	ID	Cooperative	22183	298356	0	1993	20866	26869
2013	6297	PUD No 1 of Ferry County	WA	Political Subdivision	0	109044	0	271	6868	72972
2013	6395	Flathead Electric Coop Inc	MT	Cooperative	9420	1474402	0	1898	87020	1020787
2013	6582	City of Forest Grove	OR	Municipal	0	259205	0	0	26797	14174
2013	6716	PUD No 1 of Franklin County	WA	Political Subdivision	0	1359767	0	1716	53337	79992
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	13559726	3881443	0	0	1157469	12421509
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501

2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916

2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 9	14721	130659	297989	
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283

2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	19776767	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296

2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton- Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302

2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 9	14721	130659	297989	
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632

2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	1977676 7	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457

2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis	WA	Political	1166	1239171	0	1213	60865	625501

County			Subdivision							
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail EI Cons	OR	Cooperative	0	697072	0	1261	34466	498916

Coop, Inc										
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 9	1078264	14721	130659	297989
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307

2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	19776767	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242

2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668

2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 9	1078264	14721	130659	297989
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335

2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	12421625	15382922	0	28386	1552722	22985849
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	19776767	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060

2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354

2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec	WA	Cooperative	0	59124	80	0	4055	4960

		Coop, Inc								
2013	14109	Oregon Trail El Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 1078264	9	14721	130659	297989
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723

2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	1977676 7	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
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2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop,	MT	Cooperative	0	185293	0	473	15049	15242

		Inc								
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114
2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec	MT	Cooperative	0	31407	0	72	3497	41668

		Coop, Inc								
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452
2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 1078264	9	14721	130659	297989
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General	OR	Investor	1029089	1215955	0	25695	156385	1854335

		Electric Co		Owned	8	8		9		
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop, Inc	MT	Cooperative	0	93607	0	0	8284	97723
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	1977676 7	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253

2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	7262	Glacier Electric Coop, Inc	MT	Cooperative	0	185293	0	473	15049	15242
2013	7548	PUD No 1 of Grays Harbor County	WA	Political Subdivision	0	1636480	0	3574	12535	101296
2013	8515	City of Hermiston	OR	Municipal	0	111146	0	0	595	73594
2013	8632	Hill County Electric Coop, Inc	MT	Cooperative	0	138545	0	0	7348	133905
2013	8699	Inland Power & Light Company	WA	Cooperative	0	959863	0	1905	66951	64473
2013	8830	Hood River Electric Coop	OR	Cooperative	0	118568	0	103	7382	76315
2013	9187	City of Idaho Falls - (ID)	ID	Municipal	215037	826381	0	0	27331	57069
2013	9191	Idaho Power Co	ID	Investor Owned	1355972 6	3881443	0	0	115746 9	1242150 9
2013	10393	PUD No 1 of Klickitat County	WA	Political Subdivision	211298	404455	0	32691	24286	412648
2013	10454	Kootenai Electric Cooperative	ID	Cooperative	11018	451094	0	837	25254	357114

2013	10627	Lakeview Light & Power	WA	Cooperative	0	274245	0	217	10537	216354
2013	10681	Lane Electric Coop Inc	OR	Cooperative	0	250706	0	0	15034	214642
2013	10944	PUD No 1 of Lewis County	WA	Political Subdivision	1166	1239171	0	1213	60865	625501
2013	11022	Lincoln Electric Coop, Inc	MT	Cooperative	0	118451	454	0	4205	9630
2013	11272	Lower Yellowstone R E A, Inc	MT	Cooperative	0	220099	0	0	2591	20657
2013	11589	Harney Electric Coop, Inc	OR	Cooperative	0	224121	493	0	20864	116249
2013	11643	Marias River Electric Coop Inc	MT	Cooperative	0	95037	0	205	7643	71133
2013	11989	McCone Electric Coop Inc	MT	Cooperative	0	78884	0	273	8725	84977
2013	12187	City of McMinnville - (OR)	OR	Municipal	0	749609	0	0	13335	38411
2013	12439	Midstate Electric Coop, Inc	OR	Cooperative	0	409737	0	1178	27142	28555
2013	12463	Mid-Yellowstone Elec Coop, Inc	MT	Cooperative	0	31407	0	72	3497	41668
2013	12615	City of Milton-Freewater- (OR)	OR	Municipal	0	113514	0	0	5899	7302
2013	12692	Missoula Electric Coop, Inc	MT	Cooperative	0	231589	0	50	16672	199875
2013	12744	Modern Electric Water Company	WA	Cooperative	0	225864	0	3194	8356	14221
2013	12789	City of Monmouth - (OR)	OR	Municipal	0	74430	0	0	1391	61794
2013	12825	NorthWestern Energy LLC - (MT)	MT	Investor Owned	1781580	6420683	0	0	341389	769532
2013	13758	Northern Lights, Inc	ID	Cooperative	27244	281929	0	1274	20045	256153
2013	13788	Northern Wasco County PUD	OR	Political Subdivision	78132	518331	0	643	8175	283407
2013	14012	Ohop Mutual Light Company, Inc	WA	Cooperative	0	86807	170	0	5645	6835
2013	14055	PUD No 1 of Okanogan County	WA	Political Subdivision	0	827764	0	2545	39906	462452

2013	14074	Okanogan County Elec Coop, Inc	WA	Cooperative	0	59124	80	0	4055	4960
2013	14109	Oregon Trail EI Cons Coop, Inc	OR	Cooperative	0	697072	0	1261	34466	498916
2013	14170	Orcas Power & Light Coop	WA	Cooperative	0	217979	502	0	10916	21431
2013	14324	PUD No 2 of Pacific County	WA	Political Subdivision	0	305445	0	635	19739	222121
2013	14354	PacifiCorp	OR	Investor Owned	5837657 2	1209627 9	0	146698	460132 4	5153186 5
2013	14505	Parkland Light & Water Company	WA	Cooperative	0	122305	1858	0	2544	6855
2013	14624	PUD No 2 of Grant County	WA	Political Subdivision	1012746 2	115417 1078264	9	14721	130659	297989
2013	14653	PUD No 1 of Pend Oreille County	WA	Political Subdivision	415487	737792	0	853	14557	48517
2013	14668	Peninsula Light Company	WA	Cooperative	0	608193	0	1192	26403	53394
2013	15248	Portland General Electric Co	OR	Investor Owned	1029089 8	1215955 8	0	25695	156385 9	1854335
2013	15419	PUD No 3 of Mason County	WA	Political Subdivision	0	698964	0	1578	41023	533632
2013	15500	Puget Sound Energy Inc	WA	Investor Owned	1242162 5	1538292 2	0	28386	155272 2	2298584 9
2013	15979	City of Richland - (WA)	WA	Municipal	0	890981	0	0	38904	59916
2013	16555	Salem Electric - (OR)	OR	Cooperative	0	331260	0	0	10932	25536
2013	16565	Salmon River Electric Coop Inc	ID	Cooperative	0	275509	0	301	3520	11595
2013	16759	Sheridan Electric Coop, Inc	MT	Cooperative	0	126801	0	530	7550	129799
2013	16868	City of Seattle - (WA)	WA	Municipal	6096137	8388191	0	18138	560600	861823
2013	17279	PUD No 1 of Skamania Co	WA	Political Subdivision	0	134732	0	0	11314	99421
2013	17839	City of Springfield - (OR)	OR	Municipal	0	867593	0	0	32542	515192
2013	18051	Town of Steilacoom	WA	Municipal	0	41331	0	339	283	2780
2013	18401	Sun River Electric Coop,	MT	Cooperative	0	93607	0	0	8284	97723

		Inc								
2013	18429	City of Tacoma - (WA)	WA	Municipal	2624096	4565369	0	17696	233372	3791307
2013	18448	Tanner Electric Coop	WA	Cooperative	0	99579	0	85	4913	10283
2013	18917	Tillamook Peoples Utility Dist	OR	Political Subdivision	0	486248	0	1010	16373	352058
2013	19022	Tongue River Electric Coop Inc	MT	Cooperative	0	95402	0	218	9049	11650
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	19776767	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457

2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	1977676 7	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley Power	MT	Federal	0	414893	0	2628	42357	26577
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125	14253
2013	20138	Wasco Electric Coop, Inc	OR	Cooperative	0	115232	62	0	7914	10060
2013	20169	Avista Corp	WA	Investor Owned	7029105	6911072	0	12202	606456	1049457
2013	20997	Yellowstone Valley Elec Co-op	MT	Cooperative	0	279558	0	694	23234	31820
2013	21513	Fergus Electric Coop, Inc	MT	Cooperative	0	246000	0	0	15000	24800
2013	22814	Raft Rural Elec Coop Inc	ID	Cooperative	0	322374	0	516	19294	17666
2013	23586	Vigilante Electric Coop, Inc	MT	Cooperative	0	175061	0	102	16104	118686
2013	26916	Ravalli County Elec Coop, Inc	MT	Cooperative	0	159446	337	0	11578	123979
2013	28541	Clatskanie Peoples Util Dist	OR	Political Subdivision	49000	1063013	0	0	57844	464389
2013	40437	Emerald People's Utility Dist	OR	Political Subdivision	19146	540612	0	0	28838	396266
2013	40438	Columbia River Peoples Ut Dist	OR	Political Subdivision	0	483548	0	492	16117	28457
2013	19096	TransAlta Energy Marketing (US) Inc	OR	Wholesale Power Marketer	0	1977676 7	0	0	166861	713713
2013	19325	Umatilla Electric Coop Assn	OR	Cooperative	0	1141456	0	1466	54599	616328
2013	19502	United Electric Co-op, Inc - (ID)	ID	Cooperative	0	285774	0	0	15442	15724
2013	19603	USBIA-Mission Valley	MT	Federal	0	414893	0	2628	42357	26577

Power									
2013	19784	Vera Irrigation District #15	WA	Political Subdivision	0	234898	0	0	10125 14253

Appendix B - Results

dmu	date	dt2t2 vrs	dtv vrs	ptec	tc1.vrs	tc2.vrs	tc.vrs	m.vrs
Alaska Power and Telephone Co	2012-2013	0.64	0.54	1.18	0.85	0.99	0.92	1.09
City of Ashland - (OR)	2012-2013	0.41	0.39	1.05	0.96	1.00	0.98	1.02
City of Bandon - (OR)	2012-2013	0.51	0.67	0.77	1.06	1.22	1.14	0.88
Beartooth Electric Coop, Inc	2012-2013	0.43	0.41	1.07	0.86	1.09	0.97	1.03
PUD No 1 of Benton County	2012-2013	0.07	0.11	0.62	1.19	1.36	1.27	0.78
Benton Rural Electric Assn	2012-2013	0.11	0.11	1.02	0.96	1.03	0.99	1.01
Big Horn County Elec Coop, Inc	2012-2013	0.80	0.83	0.97	1.06	0.97	1.02	0.98
Big Bend Electric Coop, Inc	2012-2013	0.69	0.10	6.81	1.03	0.14	0.38	2.61
Blachly-Lane County Coop El Assn	2012-2013	0.27	0.34	0.77	1.35	0.96	1.14	0.88
City of Blaine - (WA)	2012-2013	0.95	0.90	1.05	0.96	0.99	0.98	1.02
Canby Utility Board	2012-2013	0.62	0.66	0.94	1.12	0.95	1.03	0.97
Central Electric Coop Inc - (OR)	2012-2013	0.07	0.07	1.00	1.03	0.97	1.00	1.00
Central Lincoln People's Ut Dt	2012-2013	0.07	0.17	0.40	1.29	1.92	1.57	0.64
City of Centralia - (WA)	2012-2013	0.19	0.88	0.22	1.06	4.29	2.14	0.47
PUD No 1 of Chelan County	2012-2013	1.00	1.00	1.00	0.89	1.13	1.00	1.00
City of Cheney - (WA)	2012-2013	0.55	0.56	0.99	0.98	1.04	1.01	0.99
PUD No 1 of Clallam County	2012-2013	0.07	0.07	1.00	1.00	1.00	1.00	1.00
PUD No 1 of Clark County - (WA)	2012-2013	0.10	0.08	1.17	0.91	0.94	0.92	1.08
Clearwater Power Company	2012-2013	0.92	0.97	0.96	1.03	1.01	1.02	0.98
Columbia Basin Elec Cooperative, Inc	2012-2013	0.64	0.71	0.89	1.04	1.08	1.06	0.94
Columbia Power Coop Assn Inc	2012-2013	1.00	1.00	1.00	2.77	0.36	1.00	1.00

Columbia Rural Elec Assn, Inc	2012-2013	0.74	0.19	3.98	1.07	0.23	0.50	1.99
Coos-Curry Electric Coop, Inc	2012-2013	1.00	1.00	1.00	1.06	0.94	1.00	1.00
Consumers Power, Inc	2012-2013	0.90	0.93	0.97	1.07	0.97	1.02	0.98
Douglas Electric Coop - (OR)	2012-2013	0.33	0.32	1.01	0.95	1.04	0.99	1.01
Elmhurst Mutual Power & Light Co	2012-2013	0.12	0.25	0.50	1.97	1.01	1.41	0.71
City of Eugene - (OR)	2012-2013	1.00	0.12	8.29	1.54	0.08	0.35	2.88
City of Ellensburg - (WA)	2012-2013	0.91	0.34	2.66	1.11	0.34	0.61	1.63
Fall River Rural Elec Coop Inc	2012-2013	0.12	0.91	0.13	1.06	7.33	2.79	0.36
PUD No 1 of Ferry County	2012-2013	0.64	0.97	0.66	1.05	1.46	1.23	0.81
Flathead Electric Coop Inc	2012-2013	1.00	0.07	14.08	11.80	0.01	0.27	3.75
City of Forest Grove	2012-2013	0.29	0.81	0.36	0.96	2.93	1.68	0.60
PUD No 1 of Franklin County	2012-2013	0.06	0.06	1.10	1.02	0.89	0.95	1.05
Glacier Electric Coop, Inc	2012-2013	0.20	0.19	1.01	0.96	1.03	0.99	1.01
PUD No 1 of Grays Harbor County	2012-2013	0.17	0.42	0.41	1.98	1.24	1.57	0.64
City of Hermiston	2012-2013	1.00	1.00	1.00	4.64	0.22	1.00	1.00
Hill County Electric Coop, Inc	2012-2013	1.00	0.54	1.86	1.08	0.50	0.73	1.36
Inland Power & Light Company	2012-2013	0.06	0.06	1.00	1.05	0.95	1.00	1.00
Hood River Electric Coop	2012-2013	0.62	0.70	0.89	1.06	1.06	1.06	0.94
City of Idaho Falls - (ID)	2012-2013	0.09	0.09	1.05	0.96	0.99	0.98	1.02
PUD No 1 of Klickitat County	2012-2013	0.90	0.98	0.92	0.91	1.19	1.04	0.96
Kootenai Electric Cooperative	2012-2013	0.90	0.87	1.04	1.01	0.95	0.98	1.02
Lakeview Light & Power	2012-2013	1.00	0.26	3.87	1.12	0.23	0.51	1.97
Lane Electric Coop Inc	2012-2013	1.00	1.00	1.00	0.96	1.04	1.00	1.00
PUD No 1 of Lewis County	2012-2013	0.87	0.07	12.98	11.43	0.01	0.28	3.60
Lincoln Electric Coop, Inc	2012-2013	0.26	0.50	0.52	2.20	0.87	1.38	0.72
Lower Yellowstone R E A, Inc	2012-2013	0.41	0.43	0.96	1.77	0.59	1.02	0.98
Harney Electric Coop, Inc	2012-2013	0.52	0.52	1.00	1.02	0.99	1.00	1.00
Marias River Electric Coop Inc	2012-2013	0.67	0.62	1.09	1.06	0.86	0.96	1.05

McCone Electric Coop Inc	2012-2013	0.99	0.99	1.00	1.04	0.95	1.00	1.00
City of McMinnville - (OR)	2012-2013	0.10	0.14	0.71	1.45	0.97	1.19	0.84
Midstate Electric Coop, Inc	2012-2013	0.10	0.11	0.86	0.99	1.18	1.08	0.93
Mid-Yellowstone Elec Coop, Inc	2012-2013	1.00	1.00	1.00	1.21	0.83	1.00	1.00
City of Milton-Freewater- (OR)	2012-2013	0.66	0.76	0.86	0.96	1.21	1.08	0.93
Missoula Electric Coop, Inc	2012-2013	0.98	0.99	0.99	0.98	1.03	1.00	1.00
Modern Electric Water Company	2012-2013	0.17	0.27	0.61	1.60	1.02	1.28	0.78
City of Monmouth - (OR)	2012-2013	1.00	1.00	1.00	1.50	0.67	1.00	1.00
NorthWestern Energy LLC - (MT)	2012-2013	0.14	1.00	0.14	0.79	9.07	2.68	0.37
Northern Lights, Inc	2012-2013	0.90	0.82	1.10	0.99	0.92	0.95	1.05
Northern Wasco County PUD	2012-2013	0.92	1.00	0.92	1.31	0.83	1.04	0.96
Ohop Mutual Light Company, Inc	2012-2013	0.50	0.70	0.72	1.34	1.04	1.18	0.85
PUD No 1 of Okanogan County	2012-2013	0.76	0.07	11.63	1.05	0.08	0.29	3.41
Okanogan County Elec Coop, Inc	2012-2013	0.84	1.00	0.84	1.18	1.00	1.09	0.92
Oregon Trail El Cons Coop, Inc	2012-2013	1.00	0.08	13.31	2.90	0.03	0.27	3.65
Orcas Power & Light Coop	2012-2013	0.19	0.29	0.65	1.54	1.00	1.24	0.81
PUD No 2 of Pacific County	2012-2013	0.78	0.81	0.96	1.04	1.01	1.02	0.98
Parkland Light & Water Company	2012-2013	0.29	0.59	0.49	2.60	0.79	1.43	0.70
PUD No 2 of Grant County	2012-2013	0.14	0.10	1.44	0.75	0.92	0.83	1.20
PUD No 1 of Pend Oreille County	2012-2013	0.09	0.21	0.41	1.52	1.60	1.56	0.64
Peninsula Light Company	2012-2013	0.09	0.09	0.99	0.99	1.02	1.01	0.99
Portland General Electric Co	2012-2013	0.10	0.10	0.98	0.99	1.03	1.01	0.99
PUD No 3 of Mason County	2012-2013	1.00	1.00	1.00	8.88	0.11	1.00	1.00
Puget Sound Energy Inc	2012-2013	1.00	1.00	1.00	1.14	0.88	1.00	1.00
City of Richland - (WA)	2012-2013	0.08	0.08	1.02	0.96	1.02	0.99	1.01
Salem Electric - (OR)	2012-2013	0.22	0.22	1.02	0.96	1.02	0.99	1.01
Salmon River Electric Coop Inc	2012-2013	0.27	0.41	0.66	1.92	0.79	1.23	0.81
Sheridan Electric Coop, Inc	2012-2013	1.00	1.00	1.00	1.09	0.92	1.00	1.00

City of Seattle - (WA)	2012-2013	0.08	0.07	1.28	0.91	0.86	0.88	1.13
PUD No 1 of Skamania Co	2012-2013	0.71	0.74	0.96	1.04	1.00	1.02	0.98
City of Springfield - (OR)	2012-2013	1.00	1.00	1.00	6.77	0.15	1.00	1.00
Town of Steilacoom	2012-2013	1.00	0.94	1.07	6.38	0.15	0.97	1.03
Sun River Electric Coop, Inc	2012-2013	1.00	1.00	1.00	1.04	0.96	1.00	1.00
City of Tacoma - (WA)	2012-2013	0.80	0.65	1.23	0.93	0.87	0.90	1.11
Tanner Electric Coop	2012-2013	0.51	0.62	0.82	1.03	1.18	1.10	0.91
Tillamook Peoples Utility Dist	2012-2013	1.00	0.10	9.80	1.22	0.08	0.32	3.13
Tongue River Electric Coop Inc	2012-2013	0.36	0.37	0.97	1.02	1.01	1.01	0.99
Umatilla Electric Coop Assn	2012-2013	1.00	0.05	18.29	14.16	0.00	0.23	4.28
United Electric Co-op, Inc - (ID)	2012-2013	0.26	0.26	1.00	0.96	1.05	1.00	1.00
USBIA-Mission Valley Power	2012-2013	0.08	0.07	1.06	0.84	1.13	0.97	1.03
Vera Irrigation District #15	2012-2013	0.32	0.31	1.02	0.96	1.02	0.99	1.01
Wasco Electric Coop, Inc	2012-2013	0.54	0.61	0.88	1.06	1.07	1.07	0.94
Avista Corp	2012-2013	0.11	0.08	1.41	0.94	0.76	0.84	1.19
Yellowstone Valley Elec Co-op	2012-2013	0.13	0.12	1.04	0.97	0.99	0.98	1.02
Fergus Electric Coop, Inc	2012-2013	0.30	0.34	0.89	0.96	1.18	1.06	0.94
Raft Rural Elec Coop Inc	2012-2013	0.14	0.15	0.93	0.98	1.09	1.04	0.97
Vigilante Electric Coop, Inc	2012-2013	0.68	0.69	0.98	1.03	0.99	1.01	0.99
Ravalli County Elec Coop, Inc	2012-2013	0.79	0.25	3.12	1.04	0.31	0.57	1.77
Clatskanie Peoples Util Dist	2012-2013	0.63	0.05	11.63	0.98	0.09	0.29	3.41
Emerald People's Utility Dist	2012-2013	1.00	0.96	1.04	1.03	0.94	0.98	1.02
Columbia River Peoples Ut Dist	2012-2013	0.12	1.00	0.12	1.13	7.40	2.90	0.35