Question:
With regard to the Report's 2010 Communications Plan, it is stated therein that Owen's values are: "innovation, integrity, stewardship, commitment to employees, and commitment to community." Does Owen have as one of its values, and is it willing to commit to, providing the lowest-priced service to its members? If so, will it agree to modify the report and all communications to make this commitment? If not, why not? Explain in complete detail.

## Response:

Most cooperatives do not have the member density or the level of asset utilization that our neighboring investor owned utilities have, therefore it is strategically difficult to compete only on a low price basis. Most have concluded that a better strategy is to be competitively priced with superior service. As indicated by Owen's mission \& vision statement our board of directors and executive team agree with the majority of cooperatives that superior service coupled with competitive rates is the best business strategy for Owen Electric.

Our Board's decision to approve the executive team's recommendation to invest in smart grid and smart home technology in a research and development pilot project supported by NRECA, DOE, and DEDI aligns very well with our mission and vision of delivering superior service. The ability to transform our member service strategy to "helping our member's manage their bill" will differentiate us from our competitors and will give us a superior strategic member service position.

## OWEN ELECTRIC COOPERATIVE

Exhibit D to the Report (the NRECA proposal to the Department of Energy's Smart Grid Regional Demonstration Program), beginning at page 40 indicates that the services of several engineering firms identified therein will be used to help implement smart grid projects in the participating coops. This exhibit also indicates that Owen and two other Kentucky cooperatives are participating in the project.
a. Question:

Confirm that the services of some or all of the engineering firms identified therein will be used with regard to the installation and implementation of the smart grid initiatives Owen wishes to undertake.
a. Response:

Yes
b. Question:

Confirm that Owen will be passing costs for these projects on to its ratepayers.
b. Response:

Refer to response to question $8(\mathrm{t})$ above.
c. Question:

State whether the retention of the engineering firms identified in Exhibit D was accomplished through a competitive sealed bidding process. Provide all details. If Owen does not know whether NRECA utilized a competitive sealed bid process for the retention of these firms' services, confirm whether Owen itself conducted a competitive sealed bidding process regarding the retention of services of any businesses in conjunction with the installation and implementation of any smart grid projects within Owen's territory.
c. Response:

Yes, a competitive bid process was required and utilized by CRN. All documentation relating to this process is retained by CRN.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Regarding costs for this education program, if Owen intends to cover the cost of this program itself, please justify Owen's statement that the company's financial condition is precarious enough to warrant the instant rate case. If Owen intends to pass the costs of this program to the ratepayer base, justify the reasons for doing so, and break down by class which classes will pay for which costs. In light of Owen's stated concern over increasing costs its ratepayers will be facing, provide a complete justification for passing on these costs to the ratepayers.

## Response:

Owen does not consider its financial condition "precarious" and could not find any reference in the filing of the Revenue Neutral Rate Case No. 2011-00037 where it defines its financial conditional as such. Owen's education plan has been developed internally, using existing staff. By utilizing existing staff and reallocating present resources, no additional costs are anticipated. See the response to Question 9 above.

## OWEN ELECTRIC COOPERATIVE <br> CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Please provide a narrative description of the role information technology, including infrastructure, software, and human resources would play in the implementation of any smart grid technology. Include in your discussion an explanation of any and all additional costs the company will face for these expense items.

Response:

Information Technology's ("IT") role with the smart grid is as a communication, network, security, interoperability resource. Most software is the responsibility of the department using it. The SCADA and communication projects have been planned and will be deployed. No addition workforce was required and deployment is anticipated to improve reliability. The other projects are not anticipated to have a large amount of IT involvement with no additional workforce requirement.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

State, in complete detail, what measures Owen has taken, and/or the measures it has not taken, to allow the company the opportunity to earn a reasonable TIER.

Response:

Owen manages and monitors the financial status of the Cooperative on an on-going basis and key metrics are reviewed monthly with the Board of Directors. Revenue and expenditure decisions are made based on prudent business practice and with the goal of earning and maintaining a reasonable TIER as well as maintaining other financial metrics that are necessary for meeting the Cooperative's financial obligations.
a. Question:

If Owen had not embarked on such a large-scale smart grid / smart meter program (for which its members will be paying), would Owen need to undertake the major change to decoupled rates?
a. Response:

The purpose of the rate application is to align, over a period of time, its customer charge with its consumer related cost and enable Owen to assist its member-owners in conservation and energy efficiency efforts while maintain financial stability. This approach in rate design would be appropriate whether or not Owen had decided to participate in the smart grid pilot projects or had invested in AMI meters.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

Please confirm that under decoupling, a utility is indifferent to the impact of sales levels and when the sales occur because of changing economic conditions, weather, EPA requirements with their associated compliance costs, or new technologies.
a. Question:

How will Owen be incentivized to provide greater response to its customers demands and needs?
a. Response:

Owen is owned and controlled by its member owners who elect its board of directors.. The board engages a CEO who staffs and runs the day to day operations. As a result of their organizational structure, an investor owned utility is incentivized to provide superior return on investment to their shareholders. Conversely, electric cooperatives are incentivized to provide superior member service to our member-owners because they are in effect our shareholders.
b. Question:

Explain in detail how decoupling, which would free Owen from any and all financial risk, would incentivize the company to operate the company in a prudent and efficient manner.
b. Response:

Owen is not a proponent of decoupling. We prefer cost of service rates. In all responses, questions regarding decoupling will be answered on the basis of cost of service rates as proposed in this rate application. As explained in our answer to question 12 we do not believe that cost of service rates remove Owen from all financial risk. Our incentive to operate the company in a prudent and efficient manner is derived from our business structure.
c. Question:

Explain whether Owen's salary levels, together with any and all other means of remuneration including bonuses, will increase under decoupling.
c. Response:

All compensation is approved by the board of directors annually. Owen does not believe that the rate structure will have or currently has any relationship to compensation.
d. Question:

Provide a detailed defense to the proposition that being freed from any and all risk would lead the company to cease exploring for more efficient means of operating the company.
d. Response:

Owen does not accept the question's premise that Owen's proposed cost of service rate design will free it from all risk or lead to diminished operating efficiency.
e. Question:

If the Commission allows Owen to decouple its rates, provide a complete explanation of any plans Owen has to expand its business operations beyond regulated core utility functions through the use of subsidiaries or affiliates, or non-regulated enterprises.
e. Response:

Our Board of Directors through our vision and mission statement has limited Owen's business endeavors to core electric utility functions.

OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## f. Question:

Provide a detailed defense to the proposition that under decoupling, the energy consumption levels of Owen's customers will increase because the customers have little incentive to conserve.
f. Response

Please refer to question 10 of the response to Commission Staff's First Data Request.
g. Question:

In the event the Commission approves Owen's request to decouple its rates, would Owen agree to allow the approval to be conditioned upon a rigorous examination of its customers' energy usage levels, and in the event usage increase, to fully abandon decoupling? If not, why not? Explain in complete detail.
g. Response:

Owen does not believe that such a linkage is necessary. The value of the cost of service rate design is that it allows the cooperative to provide members energy choices and means and tools to manage their energy usage. As with all new offerings, there are early and late adopters. The value is in the offering of choices and giving the member the ability to manage their bill.
h. Question:

Confirm that if consumers do not conserve electricity, at some point in time Owen's primary supplier, EKPC, will be forced to build more generation facilities.
h. Response:

Based upon the recent 2010 EKPC load forecast EKPC will continue to build generation in the future. The question is how long can it be delayed due to DSM efforts.

## i Question:

Confirm that if allowed to decouple its rates, Owen would be almost indifferent to the goals of the Commonwealth of Kentucky to conserve energy.

## i Response:

Owen completely disagrees with this statement. Owen's driving focus is to improve our member's quality of life. In today's business environment many forms of energy innovation, conservation, efficiency, and demand response are more cost effective than building new generation. It is our belief that a significant segment of our membership desire simple, easy tools to manage their energy bill. Our pilot projects and corresponding member survey's are designed to prove or disprove this belief.

## j. Question:

Confirm that if Owen is allowed to decouple rates, any ratepayer efforts to conserve could be awarded with higher customer charges.

## j. Question:

Owen believes that the member will be awarded with the ability to choose the level of their bill, the level of their comfort, and the level of their convenience within the confines of their energy budget.
k. Question:

Would Owen agree that it would be appropriate to describe decoupling as "save more, pay more"? If not, why not? Explain in complete detail.
k. Response:

We are not proponents of decoupling. Please refer to our answer to the Commission Staff's First Data Request in Questions 8 \& 10.

OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

I Question:
Confirm that decoupling examines the issue of incentives from the company's sole perspective, isolated from the few, if any, incentives consumers have.

## I Response:

We are not proponents of decoupling. Please refer to our answer to the Commission Staff's First Data Request in Questions 8 \& 10.
m. Question:

Confirm that under existing rate design methodologies, Owen is allowed the opportunity to earn a return in excess of its required TIER.
m. Response:

RUS and our other bankers require that we have a minimum TIER of 1.25. In our rate cases we typically request a tier in the range of 2.0. Due to the existing rate structure of recovering consumer related costs under a variable energy rate, and due to weather variability, we at times return margins in excess of 2.0. When the weather reverses we correspondingly receive returns that are much less than reasonable. The cost of service methodology proposed by Owen in this case removes the volatility caused by poor rate design and mitigates the weather impact.
n. Question:

State what incentives Owen's ratepayers would have under decoupling to invest in efforts to weatherize and insulate their homes.
n. Response:

Owen's member owners, under a cost of service rate structure as proposed by Owen in this case and combined with tools such as smart home, will have opportunity to choose to engage in prudent energy conservation, efficiency, and demand response efforts. Please refer to our answer to the Commission Staff's First Data Request in Question 10.

## RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Explain in complete detail why an expansion of DSM programs would not result in more energy savings than decoupling.

## Response:

Please refer to the response to Question 23 above.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Confirm that promoting growth in sales through the addition and expansion of business enterprises is a key area where utility financial incentives and local public interests are precisely aligned.
a. Question:

If so, confirm further that revenue decoupling eliminates the financial incentive to actively promote the economic development of the utility's franchise area, and thus breaks that alignment.
a. Response:

Owen would agree that the interests of utilities and local public interests are aligned in promoting growth through the addition and expansion of business enterprises. We would disagree; however, that utilizing a Cost of Service approach to rate design, as requested in this rate application, would break that alignment.

If, as requested in this application, Owen is allowed to increase its customer charge over the next five years, the Cooperative will indeed be less dependent on sales to recover its consumer related costs. The customer charge as requested in this application, however, is still less than the total distribution cost to serve a member, which means that a small portion of Owen's consumer related costs are still going to be recovered through energy sales, and the Cooperative is still incentivized financially to actively promote business expansion. An even greater financial incentive exists in having a larger customer base over which to spread the distribution costs.

As a Cooperative, Owen interests with its member/owners are precisely aligned as the Cooperative and its members are one and the same. A proper rate structure, whereby Owen recovers its consumer related cost through its customer charge, would enable the Cooperative to assist all of its members in reducing their energy consumption and keeping their bills low. Owen can then promote economic development initiatives, which are often dependent upon the availability of affordable power, to the fullest extent possible. <br> \title{
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OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST
}

Item No 26
Page 1 of 1
Witness: Rebecca Witt

## Question:

Provide copies of any and all correspondence between Owen and other utilities in the Commonwealth regarding Owen's attempt to decouple its rates.

## Response:

We are not aware of any existing correspondence.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

## RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Explain in detail why Owen, in pursing decoupled rates, believes it is necessary for its ratepayers to assume any and all risk the company otherwise might face.
a. Question:

Does the company believe its ratepayers do not already face enough risk of their own? If not, why not? Explain in complete detail.
a. Response:

Please refer to Owen's answer to question 12 above.
b. Question:

Why should Owen be freed from all risk when its ratepayers under decoupling will face increased risk? Explain in complete detail.
b. Response:

Please refer to Owen's answer to questions 12.above.

## Questions:

State whether Owen is committed to providing the appropriate price signals to each customer class. If so, explain in complete detail how decoupling satisfies that objective.

Response:
Owen is firmly committed to providing the proper price signal and that is one of the primary reasons why Owen has filed this case. Owen believes that is should move toward cost based rates and is using the results of the cost of service study to serve as a guide to cost recovery. Owen's approach to cost recovery is as follows:

- The customer related costs should be recovered through the customer charge,
- The demand related costs should be recovered through the demand charge,
- The energy related costs should be recovered through the energy rate, and
- In those rate classes where with only two parts, the demand related costs should be recovered through the energy charge.

Owen has not used decoupling as an approach in the development of rates as proposed in this Application.

## OWEN ELECTRIC COOPERATIVE

CASE NO. 2011-00037
RESPONSE TO ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Does Owen not believe that price incentivizes its ratepayers to conserve? If not, how does Owen reconcile the filing of another EKPC member cooperative, Jackson Energy, which is Case No. 2011-00210 seeks permission for a pilot pre-paid program, and which the cooperative clearly indicates that pricing incentivizes customers to conserve.

## Response:

Jackson Energy has an approved pre-pay program in place and it was approved by the Commission in late 2010. Its pre-pay program is not a pilot program.

It is not the unit price that incentivizes ratepayers but is the total amount of its monthly bill that is of interest and concern to ratepayers. And its is one of Owen's major intentions in this Application to provide an array of tools available to its members to help them manage their bill. The total monthly bill to a member is the product of price multiplied by volume. The member is much more interested in the final answer or product of the multiplication exercise. If the monthly bill is higher than his or her budget will allow, then they will cut back on their consumption.

Does Owen believe that decoupling would dis-incentivize Owen from seeking the least cost energy supply?

Response:
No.
a. Question:

If Owen disagrees, please identify any incentive other than Owen's subjective good will.
a. Response:

See response to Question 23a above.
b. Question:

Does Owen believe its customers are willing to relinquish price incentives designed to encourage conservation, and instead rely solely upon the company's good will? If so, please cite all studies conducted of Owen's ratepayers verifying this, and provide copies.
b. Response:

It is Owen's firm belief that the better way to encourage conservation is to focus on the total bill of the retail consumer and not upon the price components of any rate class. It is one of Owen's intent in this Application to provide its members with more and better tools for ability to better "manage their bill" and conserve energy. Owen is not relinquishing price incentives. Owen is focusing more on bill management.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037 RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUESTConfirm that without decoupling, EKPC, as Owen's primary generation source, has the ability to sell conserved power on the wholesale unregulated market in excess of both the wholesale rates EKPC charges to Owen, and the retail regulated rates Owen charges to its ratepayers.
a. Question:

Confirm that when Owen's ratepayers conserve energy, EKPC is able to sell that conserved power on the wholesale market, thereby reducing Owen's proportionate costs.
a. Response:

Whether EKPC can sell and fully recover its imbedded power cost depends upon the market conditions at that time. The reduction in Owen's cost is in wholesale power cost, all distribution costs remain the same.
b. Question:

Confirm that from a general perspective, the more power Owen sells, the more its costs will increase.
b. Response:

The more power Owen sells, the more its wholesale power costs increase. All distribution costs remain the same.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

 RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUESTQuestion:
Confirm that EKPC system-wide experienced a record decline in consumption during 2009.
a. Question:

Confirm further that Owen's use of a 2009 test year in the instant proceeding to establish average use per customer will lead to customers paying for that historic decline.
a. Response:

EKPC's sales did decrease in calendar year 2009. Owen disagrees with the statement that establishing average use per customer will lead to customers paying for a decline. We have based this application on the matching of revenue and usage.

## OWEN ELECTRIC COOPERATIVE

CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Confirm that the following factors contribute to any decreases in energy usage per customer: price elasticity; non-company sponsored conservation (e.g., non profit associations and government agencies such as the Kentucky Department for Energy Development and Independence); federal appliance efficiency standards; turnover of housing stock; more efficient building codes; economic conditions; and company sponsored energy efficiency.

## Response:

Owen agrees that the above may contribute to decreases in energy uses.
a. Question:

Does Owen believe it is equitable to both require its ratepayers to absorb all risk for each of these factors, and to relieve Owen of all risk for all of these factors? Explain in complete detail.
a. Response:

Please refer to Owen's answer to question 12.

# OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

Item No 34
Page 1 of 1
Witness: Mark Stallons

Question:
Would Owen agree that the EKPC system as a whole currently engages in robust conservation resource analysis as part of integrated resource and least cost planning? If not, why not? Explain in complete detail.

Response:
EKPC has a typical utility DSM program that is ongoing, is part of its resource planning process, and is presently engaged in a DSM collaborative that is investigating innovative ways to improve their DSM efforts. I am optimistic that EKPC will develop a DSM program over the next several years that will be a model for the electric cooperative industry.

Would Owen agree that if the Commission does not allow it to decuple rates:
a. Question:
that pursuant to KRS 278.190, it could still file rate cases as often as needed to insure it maintains a 2.0 TIER?
a. Response:

Owen will file rate applications pursuant to KRS.278.190 as it deems necessary, regardless of the Commission's ruling in this application.
b. Question:
it would remain free to implement prudent conservation I energy efficiency measures and to seek cost recovery of such prudent measures pursuant to KRS 278.285?
b. Response:

Owen has the right to purse measures pursuant to KRS 278.285
c. Question:
it could retain the services of a third-party provider of energy efficiency services pursuant to KRS 278.285, and pass on its prudently-incurred costs in association therewith?
c. Response:

See response to Question 35 (b) above.

## OWEN ELECTRIC COOPERATIVE

## Question:

Does Owen intend to decouple rates pertaining to all classes? If not, why not? What reaction would Owen expect to receive from commercial and industrial ratepayers receive if it does so? Explain in complete detail.

Response:
Owen is not proposing to decouple of any of its rates. It is proposing to move to cost based rates where the customer charge will recover the consumer related costs, the demand charge will recover the demand related costs and the energy charge will recover the energy related charges. In those rate classes which do not contain a demand charge, the demand related costs will be recovered through the energy charge.

## Question:

In the event the Commission grants Owen's request to decouple rates, describe all incentives the company will have to insure that the energy efficiency measures it implements will be the most cost-effective measures available. Explain in complete detail.

## Response:

EKPC \& Owen will continue to work together with the PSC and within existing guidelines to ensure that all our energy innovation efforts are effective and cost efficient.

Question:
State, in complete detail, precisely how Owen's decoupling initiatives will reduce its ratepayers' bills.

Response:
The Cost of Service rate design approach in this application is designed to be revenue neutral, and to enable Owen to recover its consumer related cost through its customer charge, thus being able to assist its members in lowering their bills through energy efficiency and conservation measures while still maintaining the Cooperative's financial stability. Please refer to response to Question 10 in Commission Staff's First Data Request.
a. Question:

In the event the Commission should approve Owen's request, would the company agree to periodic submission of all data necessary that would irrefutably establish that Owen's initiatives in the instant filing will in fact lead to actual, quantifiable and verifiable energy savings and energy efficiency for the end users? If not, why not? Explain.
a. Response:

Owen will provide all information requested by the Commission as directed.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Will the initiatives Owen seeks to undertake in the instant filing cost more than any savings achieved? Explain in detail, with all available reliable projected data, if any.

## Response:

No. This rate application is designed to be revenue neutral.

## Question:

In the event the Commission should approve Owen's request, state, in complete detail, what incentives Owen would have to operate the programs in an efficient manner.

## Response:

Owen is owned and controlled by its member owners who elect its board of directors. The board engages a CEO who staffs and runs the day to day operations. As a result of their organizational structure, an investor owned utility is incentivized to provide superior return on investment to their shareholders. Conversely, electric cooperatives are incentivized to provide superior member service to our member-owners because they are in effect our shareholders.
Owen's management team and board of directors are charged with the fiduciary responsibility of managing the Cooperative in an efficient and fiscally responsible manner.

## Question:

Does Owen agree that if it chooses to operate the programs in an inefficient manner, it would face no repercussions? Explain.

Response:

See response to Question 40

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Identify all means other than decoupling available to Owen to promote energy efficiency. Explain in complete detail why such other means were not chosen.

## Response:

Owen is not a proponent of decoupling. Please refer to Owen's answer to Questions 8 \& 10 to Commission Staff's First Data Request..

## Question:

Provide copies of all studies Owen conducted addressing the impact decoupling will have on the elderly, low income, fixed income and home bound segments of Owen's ratepayer base. Please provide detailed information for each specified group.

Response:

Following the concept of gradualism, Owen is proposing to migrate, over a five year time-period, to cost of service rates with a customer charge that provides a significant contribution to its fixed costs, not decoupled rates.

Under our proposed rate design, many lower income members would pay a lower overall bill due to the reality that they typically use more energy than Owen's average member. A study conducted comparing the energy usage of Owen Electric members who received LIHEAP assistance from 2008 through 2010, used on average 1609 kWh per month while all of our remaining residential members used on average 1273 kWh per month. A summary of this report is attached.

Since our proposed rates are designed to be revenue neutral, members whose usage is aligned with the average will see no increase or decrease at all.

Finally, members whose usage is below the Owen Electric average have the option of choosing Owen's Inclining Block Rate (SCHEDULE 1-D in the Application) to save on their bill.

## Mike Cobb

## Owen Electric

Subject: LIHEAP Analysis for 2008-2010

At Owen Electric's request, EKPC calculated average kWh usage from data that Owen provided. The first data provided was their 2008, 2009 and 2010 annual billing file and the second data provided was a list of those residential customers designated as LIHEAP customers. From this data, a calculation was done on residential average usage for the two groups.

As a result of the analysis completed, the results showed that for Owen, the $3-\mathrm{Yr}$ average usage for the LIHEAP group was about $1,609 \mathrm{kWh}$ and for the other group of residential customers not designated as LIHEAP, the average usage was $1,273 \mathrm{kWh}$.

The exhibit below shows a comparison by year.

Sandy Mollenkopf
Load Forecasting
EKPC

Avg kWh

| Owen EC | 2008 | 2009 | 2010 | 3 Yr Avg kWh |
| :---: | :---: | :---: | :---: | :---: |
| LIHEAP Avg kWh | 1,615 | 1,578 | 1,635 | 1,609 |
| Resid Avg kWh exc LIHEAP | 1,245 | 1,213 | 1,361 | 1,273 |
| Number of residential members receiving LIHEAP | 950 | 1,492 | 1,466 |  |

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## Question:

In the event the Kentucky PSC does not approve Owen's petition, state whether Owen agrees that the Commission could order Owen to engage in trials / pilot programs of various proven supply-side conservation measures, the costs of which would eventually be passed on to the company's ratepayers.

## Response:

Owen will comply with any order directed to it by the Kentucky Public Service Commission.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037 RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST
## Question:

Confirm that if the Kentucky PSC approves Owen's request to decouple rates, Owen's need to manage its sales risk is substantially reduced, if not eliminated. If not, explain why not in complete detail.

Response:
See response to Question 12 above.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

In Case No. 2006-00314, Owen was authorized to replace 54,000 mechanical meters with AMR meters.
a. Question:

Has Owen completed installing these meters? If not, please provide a status update.
a. Response:

Owen has completed the installation of AMI meters for its residential membership, with the exception of 60 EKPC load research meters. Installation of the Poly-Phase meters is on-going and is approximately $60 \%$ complete.
b. Question:

State how Owen financed the procurement and installation of the AMR meters.
b. Response:

Prior to 2009, Owen financed the procurement and installation of the AMI meter with loan funds provided by Rural Utility Service ("RUS"). Expenditures made since 2009 have come from internally generated funds.
c. Question:

In Case No. 2006-00314, Owen stated in its application that the annual operating costs of the AMR meters after installation would be $\$ 1,239,915$, and that it expected the installation of the AMR meters would eliminate 200,000 miles of travel annually. Provide: (i) the dollar amount of annual cost savings, if any, Owen has achieved by installing the AMR meters, including but not limited to savings achieved by remote disconnects/reconnects; (ii) the nature of the expense savings; (iii) the expense accounts in which these expense savings are expected to take place; and (iv) a quantification of the expected annual expense savings that are not reflected in the adjusted test year operating expenses.

OWEN ELECTRIC COOPERATIVE
CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST
c. Response:

Owen kept records of avoided trips, read-in/read-outs, etc., resulting from the AMI project from the beginning of the project in early 2007 to July 2009. At that time the annual savings associated with the projects were approximately $\$ 875,000$. The savings were realized by approximately $\$ 280,000$ in reduced meter reading expenses resulting from the elimination of seven (7) meter reading positions; a reduction of 150,000 vehicle miles with an associated savings of approximately $\$ 75,000$; and a savings of approximately $\$ 520,000$ in avoided trips charges, etc.

Not included in the aforementioned estimate are savings associated with improvements in Owen's line loss which is estimated to be around $1 / 2 \%$. This reduction in line loss translates to an approximate savings of $\$ 360,000$. Including the line loss savings, the total annual savings to Owen's member-owners is approximately $\$ 1,235,000$, making the project revenue neutral. Given that Owen is a cooperative, and its consumers are its member-owners or shareholders, it has the opportunity to make capital investments which are revenue neutral, yet yield significant returns to the members in quality of service, reliably and member satisfaction. Additionally, this project provides Owen with a long term competitive advantage. In regards to member return on equity, Owen has demonstrated, over the last 20 years, the ability to return equity in excess of $\$ 23$ million.

Although we have attempted to answer the question as stated above, Owen questions the relevancy of this request, as the expenses associated with this project have already received Commission approval in Case No. 2006-00314; the expenses associated with the AMI project were a part of Owen's last base rate increase Case No. 2008-00154 (approved by Commission Order on June 25, 2009), and given that Owen is not seeking an increase in revenue requirements from any of its rate classes in the current Revenue Neutral Rate Application.
d. Question:

If Owen cannot quantify the amount of any alleged savings, please explain in detail why not.
d. Response:

See response above.
e. Question:

State by what amount these savings, if any, have decreased Owen's base rates.
e. Response:

Has had no impact on Owen's base rates as the project has been revenue neutral.
f. Question:

State when the projected savings will exceed the costs of the AMR program.

The payback period is expected to be 8 years after full deployment. This should be around the end of 2016.
g. Question:

In the instant filing, Owen proposes to install a number of AMI meters on its system. State whether this will lead to stranded costs in replacing the AMR meters, and identify; (i) who will pay for the stranded costs; and (ii) the amount thereof.

Expenditures for AMI meters relating to the pilot projects and the TOU rate are for the purchase of AMI meters with advanced capabilities. There will be no associated stranded costs, as the meters which may be removed will be tested and returned to inventory for future use in new homes and to replace damaged meters.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

State how much revenue Owen has received for each of the past five (5) years.
a. Question:

Of those figures, state how much revenue was derived from disconnections and reconnections for each of the last five (5) calendar years.
a. Response:

See attached schedule.

OWEN ELECTRIC COOPERATIVE
total operatingYEAR2006

REVENUE FROM RECONNECTS/DISCONNECTS
\$129,538,779
\$142,992,351
\$147,754,260
\$167,756,966
$\$ 156,031,216$
\$382,755
\$423,193
\$422,863
\$503,868
\$546,505

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Please state whether any relative, by blood or marriage, of Owen's board of directors or executive management team holds, or will hold any type or sort of position, whether as employee, officer, board member, contractor or consultant, with Owen.

Response:

Owen follows its Policy 103 Employment of Relatives of Directors and Employees which is attached in response to question 51. Additionally, the Cooperative has a Conflict of Interest Policy and requires all employees and Directors to report annually any Conflict of Interest they may have. A copy of Policy 200, Conflict of Interest, and the annual reporting form is attached. Owen is aware of no instance of violation of these policies.

## CONFLICT OF INTEREST

## I. OBJECTIVE

To spell out those areas where the directors and employees of Owen Electric Cooperative should avoid conflicts of interest, or any appearance of conflict of interest, so that the affairs of Owen Electric Cooperative will always be carried out in a business-like and ethical manner.

## II. POLICY CONTENT

A. Directors and employees are prohibited from receiving gifts, fees, loans or favors from suppliers, contractors, consultants, financial houses, or any other associate. This does not prohibit receiving gifts or favors of nominal value, worth no more than $\$ 100.00$, or casual entertainment which meets all standards of ethical business conduct, and involves no element of concealment.
B. The complete confidentiality of business information must be respected at all times. Directors and employees are prohibited from knowingly disclosing such information to those who do not have the need to know, or whose interest may be adverse to Owen EC both inside or outside the organization; or from using such information for personal gain or advancement; or to the detriment of Owen EC; or to individually conduct negotiations or make contacts or inquiries on behalf of Owen EC unless officially designated to do so.
C. Directors and employees are prohibited from acquiring or having financial interest in any property which Owen EC acquires or a direct or indirect financial interest in a supplier, contractor, consultant or other entity with which Owen EC does business. This does not prohibit the ownership of securities in a publicly-owned company except in a substantial amount by those in a position to materially influence or affect the business relationship between Owen EC and such publicly-owned company. Any other interest in, or relationship with an outside organization or individual having business dealings with Owen EC is prohibited if this interest or relationship might tend to impair the ability of the Directors or employees to serve the best interests of Owen EC.

## II. Policy Content (continued)

If members of the immediate family of a Director or Employee have a financial interest as specified above, such interest shall be fully disclosed to the Board of Directors which shall decide if such interest should prevent Owen EC from entering into a particular transaction, purchase, or employment of services. The term "immediate family" means children or their spouse, husband, wife, sister, brother, parents, foster or step-parents, grandparents, aunts, uncles, mother or father-in-law, sister or brother-in-law, or any person residing in the Owen EC Director's or employee's household.
D. Every Director and employee of Owen EC is expected to avoid situations which might be construed as conflicts of interest since it is not feasible in a policy statement such as this to describe all the circumstances and conditions that might be or have the potential of being considered conflicts of interest.

## III. RESPONSIBILITY

A. Each Director and employee of Owen EC shall make every reasonable effort to comply with the letter and spirit of this policy.
B. The Executive Committee of the Board is responsible for reviewing all policy interpretations or violations. Decisions considered inconsistent with these policies are to be reported to the entire Board of Directors.
C. Each Director and employee must disclose any situation which, in their opinion, violates, may violate, or could appear to violate the intent of this policy.
D. In order to assure that all employees and directors are aware of, understand, and are in compliance with Policy No. 200 "Conflict of Interest", a compliance statement shall be completed by all employees and directors on an annual basis in the month of January.

## III. RESPONSIBILITY (continued)

It will be the responsibility of the corporate Services department to coordinate this effort. It will be the responsibility of each department head to have all employees in their respective department and the President/CEO to have all Board members complete and return the compliance form to the $H R$ department.
Last Review Date: 09/30/10
Amended:
09/30/10
12/16/04
03/30/00
04/22/99

## CONFLICT OF INTEREST COMPLIANCE STATEMENT

I hereby acknowledge receiving a copy of Policy No. 200, ("Conflict of Interest"), which I have read and understand. I further certify that I am in compliance with the obligations required of me under this policy.

Please initial either statement 1 or 2 below as is appropriate.
___ 1. To the best of my knowledge, I do not have a personal relationship or business interest with any vendor with which Owen Electric does business.
2. I have the following relationships) that could be considered a conflict of interest, or may violate, or appear to violate the intent of Policy No. 200:

Employee/Director - Print Name

Employee/Director Signature

## Date

# Item No 49 <br> Page 1 of 1 <br> Witness: Rebecca Witt <br> OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

 <br> <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST}

Question:

Does Owen anticipate any changes in any existing contracts as a result of any change in its rate structure / potential rate increase (e.g., engineering, information technology, maintenance, etc.)?

Response:

No.

## Question:

Does Owen maintain any contracts with vendors whose principals are in any manner related, by blood or marriage, to Owen's officers, members of its Board, its employees, its independent contractors or consultants? If yes:

## Response:

None that we are aware of. Please see the response to questions 48 .
a. Question:

Please provide copies of any such contract, and a breakdown of how much money was spent per contract per year for the last ten (10) calendar years; and
a. Response:

N/A
b. Question:

Please state whether the contracts were awarded pursuant to a bid process, and if so, provide specifics of that bid process.
b. Question:

# Item No 51 <br> Page 1 of 3 <br> Witness: Rebecca Witt <br> <br> OWEN ELECTRIC COOPERATIVE <br> <br> OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

## Question:

Does Owen have any anti-nepotism policies in place? If so, provide copies of any and all such policies, and/or memoranda referring to such policies.

## Response

See attached Policy 103

## EMPLOYMENT OF RELATIVES OF DIRECTORS AND EMPLOYEES

## I. OBJECTIVE

To establish an understanding between management, directors and employees in regard to the employment of members of their immediate family with the Cooperative.

## POLICY CONTENT

A. The following definitions apply when used in this policy:

1. "Immediate family" shall mean any person who is either a spouse, child, grandchild, parent, grandparent, brother, sister, aunt, uncle, nephew or niece. The relationships referred to herein include blood relationships of either the whole or half blood without regard to legitimacy, relationship of parent and child by adoption, and relationship of stepparent and step-child.
"Immediate Family" shall also include persons living together in the same dwelling, regardless of their marriage or blood relationships or are otherwise involved in a dating or other non-platonic relationship.
2. "Policy position" shall mean the positions of President and Chief Executive officer, Vice-President and Department Manager.
3. "Supervisory relationship" shall mean the relationship that exists between any management or supervisory position and any position for which that management or supervisory position is responsible.
4. "Undue hardship" shall mean any circumstances that would negatively affect the financial, efficient operation of or other day-to-day concerns of the Cooperative.
B. No member of the immediate family of: 1) a director or 2) an employee holding a policy position, shall be eligible to be hired by Owen E.C.

While employment of members of the immediate family of employees who are not in policy positions is not prohibited, it shall be discouraged.
C. In the event that two Owen E.C. employees become immediate family (as defined in "A" above), they shall not 1 ) work in a position that has a supervisory relationship to each other, or that is within the chain-of-command of that position, or 2) be in positions that might compromise the normal accountability and confidentiality that is required in conducting the ongoing business of the Cooperative.


Employees have the burden of responsibility to resolve potential problems in this area with management, prior to the establishment of a relationship that would constitute an immediate family member as that term is defined in "A". Should such a relationship exist, an effort will be made to reassign employees to eliminate such supervisory relationship, in so far as the reassignment does not impose an undue hardship on the Cooperative. If an acceptable solution cannot be implemented, then one of the affected employees may have to terminate employment. In the event that termination is the only solution, and the affected employees cannot decide which of them will terminate, then the employee with the least seniority shall have employment terminated.
D. If a member of an employee's immediate family is also a Cooperative employee, then only one of them can hold a policy position.
E. If two employees, members of the immediate family, then only one of the two employees affected can hold a policy position.

If two employees in policy positions become so related, as members of the immediate family, an effort will be made to reassign one or both of them provided said reassignment does not impose undue hardship on the Cooperative.

In the event that one of the situations contained in this section $E$ should develop, and, if no suitable resolution can be accomplished, then one of the affected employees may be required to terminate employment. If the affected employees cannot decide which of them will terminate, the employee with the least seniority shall have employment terminated.

## III RESPONSIBILITY

It is the responsibility of each Policy Position Employee involved in the hiring process to determine any potential policy conflicts with prospective applicants, and to comply with the provisions of this policy. All employees are responsible for informing their department head if they are in relationship that might be contrary to this Policy.

Date Policy Reviewed by Board 07/29/10
Amended:
09/19/02
02/09/01
02/27/92
01/25/90
02/26/87
05/24/79
10/27/66

Question:
Has any member of Owen's Board ever served on the Board of any other business entity? If so, please state:
a. the name and address of each such entity, and the nature of that business; and
b. the length of time they served on the other entity's board.

Response:
Three of Owen's directors serve on boards of other business entities. See attached schedule.
BUSINESS
DESCRIPTION
Water District
Lending Institution
G\&T Cooperative
Agricultural Cooperative

# OWEN ELECTRIC COOPERATIVE <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

> BUSINESS ENTITY
> BUSINESS ADDRESS
> 2 South Jefferson, Alexandria, KY 41001 2835 Crescent Springs Rd, Erlanger, K
1203 Mt Eden, Shelbyville, KY 40065

> 4775 Lexington Rd, PO Box 707, Winchester KY 40392 East Kentucky Power Cooperative
Southern States

BOARD MEMBER Frank Jackson

## Hope Kinman

Alan Ahrman

# OWEN ELECTRIC COOPERATIVE 

CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Does Owen employ the relatives of:
a. any Owen board member;
b. any Owen officer;
c. any Owen consultant; and/or
d. any other Owen employee?

Response:
No, per policy 103 referenced above.

OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Please provide a schedule listing all CWIP projects included in the rate base. For each project, provide the scheduled completion date, projected cost at completion, and identify any and all PSC orders allowing Owen to include CWIP in the rate base.

Response:
Owen's base rates were approved by Commission Order in Case No 2008-00154 on June 25, 2009. In that Order, the Commission approved Owen's Net Investment Rate Base of $\$ 129,182,644$, which included CWIP of $\$ 3,036,756$. See attached schedule for the list of Open Work Orders at the end of the test year. Information regarding scheduled completion date and projected cost at completion at the end of the test year is not readily available, nor is it relevant in the filing of Revenue Neutral Rate Case No 2011-00037, as no increase in revenue requirement is being requested for any of Owen's rate classes.

| OWEN ELECTRIC COOP., INC. |  |  |  | SUMMARY OF ELECT | RIC PLANT ADDITIONS THRU 12/31/09 JOB NUMBER | \& RETIREMENTS |  | PAGE 1 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PRG. W | OSUMRPT |  |  |  |  |  | OPEN | RUN DATE | 1/25/2010 | 2:40 PM |
| JOB | wo | APLDTE | CMPDTE | Job Name | ------CONST <br> built | RUCTION COMPLETE | INCOMPLETE | RETIRE | -RETIREMENT-COMPLETE | INCOMPLETE |
| 9450 | 1 | 122088 |  | VOID LIBERTY HILLS | 49.78 | 0 | 49.78 | 49.78 | 0 | 49.78 |
| 63353 | 2 | 10102 | 93009 | WRIGHT ROAD | 817.35 | 0 | 817.35 | 48.35 | 0 | 48.35 |
| 72308 | 1 | 10103 |  | VOID HOLBROOK LN @SHAKER RUN | -1977.84 | 0 | -1977.84 | 0 | 0 | 0 |
| 100141 | 1 | 51704 |  | VOID JCB PROPERTIES 2123 BLU | -1032.46 | 0 | -1032.46 | 0 | 0 | 0 |
| 102263 | 1 | 12104 |  | GREENS OF GLENHURST PHASE 3 | -371.91 | 0 | -371.91 | 0 | 0 | 0 |
| 102954 | 3 | 111804 |  | VOID UAI/UPN | 0 | 0 | 0 | -139.52 | 0 | -139.52 |
| 104491 | 3 | 61305 |  | VOID MURFHY ROBERT A | 0 | 0 | 0 | -97 | 0 | -97 |
| 105305 | 2 | 90106 |  | VOID WP HWY 127 | -230.01 | 0 | -230.01 | 0 | 0 | 0 |
| 105313 | 2 | 90106 |  | VOID | -180.72 | 0 | -180.72 | 0 | 0 | 0 |
| 105315 | 2 | 90106 |  | VOID | -318.28 | 0 | -318.28 | 0 | 0 | 0 |
| 105781 | 1 | 82905 |  | VOID POOLE CHRIS | .83.51 | 0 | -83.51 | 0 | 0 | 0 |
| 105936 | 1 | 80805 |  | VOID NT VIEW BAPTIST CHURCH | -445.81 | 0 | -445.81 | 0 | 0 | 0 |
| 105941 | 3 | 81105 |  | VOID OEC 2005 LP 11057225717 | -164.92 | 0 | -164.92 | 0 | 0 | 0 |
| 105981 | 4 | 82905 | 83109 | HALL DWAYNE | 1.1 | 0 | 1.1 | 489.95 | 0 | 489.95 |
| 106783 | 1 | 110805 |  | NORTHPOINTE PH $215 / \mathrm{L}$ | -583.99 | 0 | -583.99 | 0 | 0 | 0 |
| 106937 | 3 | 10405 |  | VOID METCALF TERRY AND JE | -1998.55 | 0 | -1998.55 | 0 | 0 | 0 |
| 107407 | 2 | 10405 |  | GRANTSLICK SWITCHES | -684.31 | 0 | -684.31 | 0 | 0 | 0 |
| 107907 | 1 | 21806 |  | VOID THE SCHEBEN CO | -269.58 | 0 | -269.58 | 0 | 0 | 0 |
| 108037 | 3 | 30106 | 31306 | BOBBY BOWLING | 422.02 | 0 | 422.02 | 386.87 | 0 | 386.87 |
| 108319 | 2 | 51206 | 50106 | AB DONaLD breeden | 8.13 | 0 | 8.13 | 780.11 | 0 | 780.11 |
| 110268 | 3 | 100506 |  | BRENTWOOD O/H PRIMARY 3 PH | 2835.6 | 0 | 2835.6 | 0 | 0 | 0 |
| 110325 | 1 | 102605 |  | VOIL CLAIBORNE SUBD PHASE 5 | -323.11 | 0 | -323.11 | 0 | 0 | 0 |
| 110329 | 1 | 120706 |  | FRENCH QUARTERS PH 3 PART B | 460.44 | 0 | 460.44 | 0 | 0 | 0 |
| 120200 | 3 | 50307 | 80107 | KDOT NORTH BEND ROAD | 159746.26 | 0 | 159746.26 | 30085.23 | 0 | 30085.23 |
| 120719 | 1 | 10307 | 22307 | INDEPENDENCE CITY OF | -256.21 | 0 | -256.21 | 0 | 0 | 0 |
| 121048 | 3 | 82807 |  | KDOT HWY 27 GRANTSLICK | 27326.73 | 0 | 27326.73 | 8085.43 | 0 | 8085.43 |
| 121051 | 1 | 31607 |  | VOID HARTIG DAVID JR | 3336 | 0 | 3336 | 0 | 0 | 0 |
| 122687 | 1 | 72007 |  | VOID | 790.08 | 0 | 790.08 | 0 | 0 | 0 |
| 122735 | 4 | 82707 |  | VOID OEC 2007 LP 31184080769 | 0 | 0 | 0 | -168.23 | 0 | -168.23 |
| 122778 | 3 | 101607 |  | VOID THOMSOM LEARNING 3PH | -1675.82 | 0 | -1675.82 | 0 | 0 | 0 |
| 122931 | 4 | 80207 | 121409 | OEC 2007 LP 22280027420 | 0 | 0 | 0 | 1491.1 | 0 | 1491.1 |
| 122982 | 1 | 81407 |  | VOID DUNAVENT BRAD | -571.13 | 0 | -571.13 | 0 | 0 | 0 |
| 123019 | 3 | 92007 |  | VOID STERLING SUBSTATION | 1068.62 | 0 | 1068.62 | 0 | 0 | 0 |
| 123060 | 4 | 80907 | 120709 | OEC 2007 LP 61390204548 | 0 | 0 | 0 | 1141.21 | 0 | 1141.21 |
| 123340 | 1 | 82907 |  | VOID | 367.83 | 0 | 367.83 | 0 | 0 | 0 |
| 123398 | 1 | 82907 |  | VOID | 3035.42 | 0 | 3035.42 | 0 | 0 | 0 |
| 123410 | 3 | 110907 | 30108 | KY DEPT OF TRANSPORTATION | 6183.83 | 0 | 6183.83 | 5175 | 0 | 5175 |
| 123423 | 3 | 112607 | 20108 | KY DEPT OF TRANSPORTATION | 7294.73 | 0 | 7294.73 | 2909.5 | 0 | 2909.5 |
| 123461 | 1 | 90707 |  | VOID | 642.64 | 0 | 642.64 | 0 | 0 | 0 |
| 123565 | - 4 | 52308 | 82409 | OEC 2007 LP 31321082419 | 0 | 0 | 0 | -75.84 | 0 | -75.84 |
| 123629 | 3 | 92507 | 92407 | AB OEC 200722238230473 | -450.87 | 0 | -450.87 | 344.14 | 0 | 344.14 |
| 123819 | 2 | 111907 | 73109 | mentzel greg | 901.43 | 0 | 901.43 | 0 | 0 | 0 |
| 123864 | 3 | 101907 | 110107 | Rankin elizabetha | 83.55 | 0 | 83.55 | 0 | 0 | 0 |
| 123941 | 3 | 112707 | 10110 | OEC 2007 PT 61433114107 | 2012.65 | 0 | 2012.65 | 1130.56 | 0 | 1130.56 |
| 124151 | 1 | 13108 | 101408 | LAKEMONT PHASE 4A | 57479 | 0 | 57479 | 0 | 0 | 0 |
| 124308 | 2 | 13108 |  | UAI | 403.88 | 0 | 403.88 | 0 | 0 | 0 |
| 124310 | 2 | 51909 |  | 2008 WP 310 MESMER ROAD | 156785.52 | 0 | 156785.52 | 4558.4 | 0 | 4558.4 |
| 124311 | 2 | 121008 | 60109 | WP MARS PLACE | 66600.09 | 0 | 66600.09 | 5952.8 | 0 | 5952.8 |
| 124314 | 4 | 13108 | 123108 | SMITH SCADA UPGRADE | 816.82 | 0 | 816.82 | 0 | 0 | 0 |
| 124315 | - 2 | 13108 | 123108 | GRANTSLICK SCADA UPGRADE | 455.97 | 0 | 455.97 | 0 | 0 | 0 |
| 124320 | - 2 | 13108 |  | UAI | 453.03 | 0 | 453.03 | 0 | 0 | 0 |
| 124321 | 2 | 13108 |  | UAI | 151.01 | 0 | 151.01 | 0 | 0 | 0 |

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|  | UAI |
| :---: | :---: |
|  | KAW SLIPPERY ROCK RD |
| 8 | bristow scada upgrade |
| 90409 K | keith scada upgrade |
|  | UAI WORKPLAN |
| 61108 | OEC 2008 LP 82367059873 |
| 50408 | AB OEC 200822238227330 |
| 08 | KY AMERICAN WATER |
|  | KY Am |
|  | KY American water |
|  | VOID OEC 2008LP 61361142088 |
| 102708 | OEC 2008LP 61436094568 |
| 101308 S | SHARP HAROLD W AND JU |
| 101608 | 2008 CBT 04720EC |
| 122909 | 2008 CBT 72425164989 |
| 108 | OEC 2008 LP 2226108643 |
|  | OEC SIRY RD REMOVAL |
| 52609 | OEC |
|  | VOID INSIGHT COMMUNICATIONS VOID |
| 41109 | OEC 2009 AB 62463131689 |
| 109 | OEC 2009 LP 61404134188 |
| 9 | NORTHPOINTE C／O PRIMARY |
| 110109 A | ab northpointe cabine |
|  | 2009 RECON IDLEWILD RD |
| 30909 | kaplan trucking |
|  | KY american water co mo |
| 102309 | kaw |
|  | HWY 227 |
|  | VOID elk creek sigretto |
|  | OEC 2008 LP LOC 62499162928 |
|  | 2009 RECON WOESTE RD |
|  | feeder 1902 hardening |
|  | 2009 recon indian trace |
|  | void |
|  | 2009 RECON WASHINGTON TRACE |
|  | bock nancy |
| 120409 | 2009 RECON FALMO |
|  | UAl |
|  | 2009 recon elk lake |
| 80909 A | AB 2009 CAMP ERNST \＆SOLOMO |
| 10110 | AB 2009 Elluah Creek road |
|  | void zink robertb brand |
| 1509 | brugg man pauland ellzabe |
| 111609 | RAMSEY MICHA |
| 90309 | glass WAdE |
| 52909 | OEC 2009 LP 71425045112 |
| 615095 | Stadmiller james |
|  | RECON 2009 NEUMAN RD |
|  | RECON 2009 |

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| 4 | 121409 | 121609 | SEARCY JANE MCENTIRE |
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| 3 | 121609 |  | CITY OF SPARTA |
| 1 | 121809 | 122809 | CRAIG JAMES D |
| 1 | 121809 | 122109 | RIEDINGER JOSEPH AND NANCY |
| 4 | 92509 |  | MCMAHON NANTANA |
| 2 | 100309 |  | RECON 2009 POND CREEK |
| 2 | 92909 | 100709 | PFEFFERMAN JAMES |
| 2 | 100709 |  | FEEDER 1102 HARDENING |
| 2 | 101409 |  | RECON 2009 E BOONE SMITH |
| 2 | 102809 |  | BROMLEY 601 RECOORDINATE |
| 2 | 103009 |  | BROMLEY 601 RECOORD PT2 |
| 3 | 110209 | 112409 | PT 2009 HWY 22 |
| 1 | 111009 | 122309 | BANKS KYLE |
| 2 | 110309 | 120709 | LP 2009 PEACH GROVE |
| 3 | 111209 | 121109 | LP 2009 BROOKWOOD |
| 1 | 111909 | 120809 | Jindal construction |
| 3 | 112309 | 120909 | MCNALLY KIEWIT WRCT JV |
| 2 | 111809 | 112509 | AB 2009 GRaves RD |
| 3 | 112009 | 120409 | 2009 LP HICKS PIKE |
| 4 | 110509 | 111109 | MILLER KEVIN |
| 3 | 111609 | 120409 | KY SPEEDWAY |
| 1 | 120109 | 120309 | RITCHIE WAYNE AND PATRICIA |
| 1 | 120109 | 121409 | BONTA MARGARET A |
| 3 | 120809 | 121409 | HWY 35 |
| 1 | 121109 | 121809 | PARKER SHARON |
| 1 | 121509 | 122109 | SPEARS CAROL AND ANDY |
| 4 | 122109 | 123009 | LAPIERRE EUGENE AND DONNA |
| 2 | 122109 | 123009 | POWERS ELMER |
| 4 | 122209 | 123009 | heltsley laurie |
| 1 | 122809 | 123009 | SOUTH FORK BAPTIST CHURCH |
| 3 | 120109 |  | BAVARIAN TRUCKING CO |
| 3 | 113009 | 121009 | BURLEIGH WILLIAM R AND ANNE |
| 1 | 120809 | 121409 | MARONDA HOMES OF CINCINNATI |
| 1 | 120809 | 121409 | SAULEY BRENTM |
| 1 | 120809 | 121409 | HILLCREST HOMES |
| 4 | 121009 | 121609 | STUDER RA |
| 4 | 121709 | 122309 | OEC 2009 LP 12234016550 |
| 3 | 121509 | 121509 | AB 2009 EADS RD |
| 1 | 121409 | 122309 | JOHNS GARY AND KATHLEEN |
| 1 | 121409 | 122309 | FISCHER SINGLE FAMILY Homes |
| 2 | 121609 | 121809 | WILSON ROE ANN AND GARY |
| 1 | 121609 | 122309 | FISCHER SINGLE FAMILY HOMES |
| 3 | 121609 | 122309 | MARONDA HOMES OF CINCINNATI |
| 3 | 121709 | 121709 | LP 2009 HICKS PIKE |
| 1 | 121709 | 122809 | FISCHER SINGLE FAMILY HOMES |
| 3 | 10610 | 10410 | AB 2009 HISSEM AVE |
| 3 | 10710 | 10410 | A/B JOB 31222156165 C/O POLE |
| 3 | 122909 | 122909 | AB 2009 RiGgS RD |
| 3 | 102609 | 110309 | LP 2009 MEADOWGLEN DR |
| 1 | 110409 | 122309 | GRIGSON RICKY AND TAMMY |
| 1 | 102009 | 122309 | FELTNER JERRY |
| 3 | 111309 | 121709 | PT 2009 HANDS PIKE |

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Question:

Please state the test year customer deposit balance.

Response:
Balance at December 31, 2009 was $\$ 2,194,391$. Owen statutorily is required to pay $6 \%$ interest to our members on the balance in this account. For the test year that amount is: $\$ 130,050.82$

# OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Please provide the Analysis of Salaries and Wages that is normally included in coop rate cases, for the years 2007 to date, together with any analysis of projected salaries and wages in future years.

## Response:

Owen has filed a revenue neutral rate application for rate design purpose applicable to the Farm and Home and Small Commercial rate classes. Owen feels that this individual wage and salary information is not relevant in a revenue neutral rate application. Owen is not seeking any increase in revenue requirements for any of its rate classes.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

State whether Owen intends to seek recovery of any performance bonus expenses for ratemaking purposes, and if so, provide:
a. Question:
a quantification of same;
a. Response:

Owen has filed a revenue neutral rate application for rate design purpose applicable to the Farm and Home and Small Commercial rate classes. Owen feels that this information is not relevant in a revenue neutral rate application. Owen is not seeking any increase in revenue requirements for any of its rate classes.
b. Question:
an indication of how many union employees received a performance bonus; and
b. Response:

See response to Question 56 a above.
c. Question:
a complete justification for recovering such expense.
c. Response:

See response to $2^{\text {nd }}$ Data Request of Commission Staff to Owen in Case No. 2008-00154

## OWEN ELECTRIC COOPERATIVE

CASE NO. 2011-00037

## RESPONSE TO ATTORNEY GENERAL'S FIRST DATA REQUEST

Question:
Reference Case No. 2010-00507. The final order in that case, issued on May 331, 2011, indicated that the company's new energy charge for Schedule 1, Farm and Home, is 0.08810 . However, the company's filing in the instant case indicates that Owen's existing energy charge is 0.09478 ; and that in this case it proposes to "reduce" the energy charge to 0.09140 . Please provide a reconciliation as to the actual energy charge for Schedule 1, in effect: (i) at the time the petition in the instant case was filed; (ii) on the first effective date of the rates the Commission approved in Case No. 2010-00507; and (iii) the proposed energy the company seeks to implement in the instant filing. Confirm that the difference between 0.08810 and 0.09140 is an increase, not a reduction.

## Response:

The reduction in rates in Case No. 2010-00507 was due to FAC rollin that became effective on June 1, 2011. This case was filed in May 2011 prior to the issuance of an order in Case No. 2010-00507 and the rates listed in the Application were the rates in effect at that time.

Provided on pages two through four of this response is listing of the rates as originally proposed an new rates based on the reduction in the FAC base energy charge of $\$ 0.00608$ per kWh .

## RESPONSE TO THE ATTORNEY GENERAL'S FIRST DATA REQUEST PROPOSED CHANGES TO THE CUSTOMER CHARGES

## INITIAL PROPOSAL ON RATES

|  | Residential Rate Class  <br> Customer Energy <br> Charge Rate |  |  |  | Small Commercial Rate Class  <br> Customer Energy <br> Charge Rate |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | \$ | 11.30 |  | \$0.09478 | \$ | 13.34 |  | \$0.09478 |
| 2011 | \$ | 15.00 | \$ | 0.091401 | \$ | 20.00 | \$ | 0.091147 |
| 2012 | \$ | 17.50 | \$ | 0.089117 | \$ | 25.00 | \$ | 0.088419 |
| 2013 | \$ | 20.00 | \$ | 0.086834 | \$ | 30.00 | \$ | 0.085691 |
| 2014 | \$ | 22.50 | \$ | 0.084550 | \$ | 35.00 | \$ | 0.082963 |
| 2015 | \$ | 25.00 | \$ | 0.082267 |  |  |  |  |
| Customer Charges |  |  |  | 648,908 |  |  |  | 25,451 |
| Energy kWh | 710,449,061 |  |  |  | 46,652,046 |  |  |  |

PROPOSAL AFTER FAC ROLLIN OF JUNE 1, 2011


## PROPOSED TIME OF DAY RATES AFTER JUNE 1, 2011 FAC ROLLIN RESIDENTIAL OPTIONS

| Customer Charge | Alternative A |  | Alternative B |  | Alternative C |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$ | 25.00 | \$ | 25.00 | \$ | 25.00 |
| Energy Rate |  |  |  |  |  |  |
| On-Peak kWh | \$ | 0.102492 | \$ | 0.090188 | \$ | 0.084978 |
| Off-Peak kWh | \$ | 0.053320 | \$ | 0.053320 | \$ | 0.053320 |
| Shoulder kWh | NA |  | NA |  | \$ | 0.070820 |

ORIGINAL PROPOSAL ON TIME OF DAY RATES

| Customer Charge | Alternative A |  | Alternative B |  | Alternative C |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \$ | 25.00 | \$ | 25.00 | \$ | 25.00 |
| Energy Rate |  |  |  |  |  |  |
| On-Peak kWh |  | 0.13297 |  | 0.10313 |  | 0.10357 |
| Off-Peak kWh |  | 0.06000 |  | 0.06000 |  | 0.06000 |
| Shoulder kWh | NA |  | NA |  |  | 0.07750 |

## RESPONSE TO ATTORNEY GENERAL'S FIRST DATA REQUEST

| Inclining Block Rate |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Original Proposal |  | Revised Proposal |
| Customer Charge | \$ 15.78 | \$ | 15.78 |
| 1 st 300 kWh per kWh | \$ 0.06977 | \$ | 0.06309 |
| Next 200 kWh per kWh | \$ 0.09227 | \$ | 0.08559 |
| Over 500 kWh per kWh | \$ 0.12227 | \$ | 0.11559 |

OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Provide the revenue the company would require if the test year had ended 12-31 2010.
a. Question:

If the test year was changed to one ending in 12-31-2010, could the company still file the same testimony without any changes?
a. Response:

Yes
b. Question:

If the test year was changed to one ending in 12-31-2010, would the company still be able to claim under oath that its fixed costs were not being met?
b. Response:

The fixed costs would still be under recovered.
c. Question:

Provide all documentation necessary to support your responses.
c. Response:

A full cost of service study has not been conducted using the twelve months ending December 31, 2010. The results would be similar; hence such a study is not warranted.

Item No 59
Page 1 of 1
Witness: Rebecca Witt
OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

If the Commission approves Owen's requested rates, would the company be willing to refund any potential additional revenues it takes in as a result of having filed the case? If not, why not? Explain in complete detail.

Response:
The Cooperative returns Margins to its member/owners in the form of Patronage Capital; therefore an additional refund mechanism is not warranted.

Reference the Stallons testimony, p. 2, wherein he states the purpose of the instant filing is to align the member charge with the company's fixed costs over a five-year period. Provide any and all documentation to support Owen's forecasted fixed costs over the next five years, including any and all assumptions underlying such forecasts.
a. Question:

State to what extent, if any, the company's forecasted fixed costs are dependent upon the 2008 load forecast.
a. Response:

None. The application did not utilize a forecasted test period.
b. Question:

State to what extent, if any, the company's forecasted fixed costs in the instant case relies upon the most recent load forecast.
b. Response:

Owen's consumer related costs discussed in this rate application were calculated as a part of the Cost of Service Study done for this application and are based on the actual costs for our calendar year test period ending December 31, 2009.

## OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Since the justification for filing the new rates in the instant case is that Owen will not be able to meet its future fixed costs, explain in complete detail why Owen did not file a fully forecasted test year, and rather chose to file with a historic test year ending almost 18 months ago.

## Response:

Owen has never filed a rate application utilizing a forecasted test year. Please refer to Owen's response to Question 5 in the Commission Staff's First Data Request.

## OWEN ELECTRIC COOPERATIVE

CASE NO. 2011-00037

## RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Provide citations to any and all final orders and the dates thereof in which the Kentucky PSC has expressly approved of stepped rates.

## Response:

Owen is not aware of any specific citations.

## RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Reference the Stallons testimony, p. 3, wherein he states Owen, as a distribution cooperative, " ... is aggressively pursuing a strategy of energy innovation" in order to meet perceived needs of, inter alia, increasing environmental compliance costs and increasing generation construction costs.
a. Question:

Provide any and all documentation in Owen's possession which conclusively establishes the amount of future environmental compliance costs Owen will incur over the next five years, separate and apart from future environmental compliance costs it will recover through the environmental surcharge.
a. Response:

Please refer to Owen's answer to question 4c.
b. Question:

Provide any and all documentation in Owen's possession which conclusively establishes the amount of increased future generation construction costs will incur over the next five years.
b. Response:

Please refer to EKPC 2010 load forecast. It was filed with the Commission in Case No. 2010-00238.
c. Question:

With regard to your answers to subparts $a$. and b., above, state whether your answers were derived in whole or in part upon the 2008 load forecast, or the most recent load forecast.
c. Response:

Owen's answers were based on the most recent 2010 load forecast.

Reference the Stallons testimony, p. 4, wherein he discusses the "Beat the Peak" and "Smart Home" programs.
a. Question:

State whether the Beat the Peak and Smart Home programs are DSM programs. If so, state why the company did not file them pursuant to KRS 278.285.
a. Response:

Please refer to Owen's response to Question 8 of Commission Staff's First Data Request.
b. Question:

If the above-described programs are DSM programs, state in full detail why the company did not seek to recover its costs under KRS 278.285.
b. Response:

Please refer to Owen's response to Question 8 of Commission Staff's First Data Request.
c. Question:

Describe in complete detail why Owen needs the new rates set forth in the instant filing in order to implement the Beat the Peak and Smart Home programs.
c. Response:

We anticipate that Beat the Peak and or Smart Home pilots will result in successful energy efficiency, conservation, and demand response efforts from our members. Given successful pilots we will make both programs available to all our members thereby requiring a rate structure that keeps the cooperative financially whole. Given successful prepay metering and Kentucky \$mart Home pilots we anticipate offering similar programs as well. For more information please refer to Owen's response to Question 10 of Commission Staff's First Data Request.

Item No 65
Page 1 of 1
Witness: Mark Stallons
OWEN ELECTRIC COOPERATIVE
CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Reference the Stallons testimony, p. 4, question no. 16. Can Mr. Stallons provide an answer to the question of whether retail rate design modifications are necessary to promote energy efficiency investments as they relate solely to Owen Electric, without any reference(s) to task forces, national associations, or to other EKPC member cooperatives? If so, please do so. If not, please explain why not in complete detail.

Response:
Please refer to Owen's response to Question 10 of Commission Staff's first Data Request and Question 64 in this filing above.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Reference the Stallons testimony, pp. 4-5, question no. 17. The response appears to indicate that Owen is not aware that it can recover its costs and lost sales under a DSM program. Is Owen aware that other utilities have successfully done so? Please explain.

Response:

Please refer to response to Question 8 of Commission Staff's First Data Request.

Reference the Stallons testimony, p.5, question no. 18, wherein Mr. Stallons defines the "throughput incentive" as an incentive "to increase fixed cost[s] and margin recovery." Does Mr. Stallons acknowledge that Owen is likewise under an incentive to maximize its fixed costs? If he does not so admit, explain why not in complete detail.
a. Question:

Is the concept of providing the lowest cost energy possible to its members not enough incentive for Owen to reduce its fixed costs? If not, why not? Please explain in complete detail.
a. Response:

The cooperative form of governance provides adequate incentive for Owen to manage its distribution costs. Refer to the response to Question 23(a).
b. question:

Please explain the nature of the legal duty Owen believes it owes to its members.
b. Response:

The company owes its member owners the duty to operate efficiently, effectively and in accordance with cooperative principles and state and federal laws".
c. Question:

If Owen institutes DSM programs and attempts to recover any sales lost as a result of the "energy innovations" Mr. Stallons describes in his answer to this question, would that not eliminate the purported"disincentive" described therein? If not, why not? Describe in complete detail.
c. Response:

The existing rate structure provides Owen an incentive to increase energy sales and a corresponding disincentive to decrease energy sales. As a consequence Owen, in this case, is proposing to move to a cost of service rate structure where the throughput incentive is lessened. For more information please refer to Owen's response to Question 8 in Commission Staff's First Data Request.

Question:

Reference the Stallons testimony, p.6, question no. 19, wherein he states that raising the customer charge is the "simplest way for a rural electric cooperative to mitigate the throughput incentive. " Would doing so also be the most effective and efficient way? If so, why? If not, why not? Explain in complete detail.
a. Question:

If Owen also instituted DSM programs designed to recover its lost sales resulting from the implementation of energy efficiency measures, would Mr. Stallons continue to believe that raising the customer charge remains the "simplest way" to mitigate the throughput incentive?
b. Question:

If Owen also instituted DSM programs designed to recover its lost sales resulting from the implementation of energy efficiency measures, would Mr. Stallons believe that raising the customer charge would be the most effective and efficient means of mitigating the throughput incentive? If not, explain why not in complete detail.

Response:
Owen has no desire to recover lost sales revenue in a DSM surcharge format. Please refer to Owen's response to Question 8 in Commission Staff's First Data Request.

Reference the Stallons testimony, p.8, question no. 23, wherein Mr. Stallons states his belief that allowing Owen to recover more of its costs through a higher monthly customer service charge would create the environment necessary for energy innovation, efficiency, conservation, and demand response.
a. Question:

Is it not true Owen could create the environment necessary for conservation by utilizing appropriate pricing signals in peak / non-peak pricing differentials? If not, explain why not in complete detail.
a. Response:

Please refer to Owen's response to Question 10 in Commission Staff's First Data Request.
b. Question:

Provide copies of all studies conducted of the Owen system regarding the effect of appropriate pricing of the energy charge.
b. Response:

Owen has not conducted any formal studies. Some of the pilot projects Owen is presently conducting are an effort to study the impact of pricing signals on conservation efforts.
c. Question:

Does Owen agree that demand response and many different energy efficiency programs have been instituted by other electric generating utilities through the DSM statute, KRS 278.285? To what extent has Owen studied options of doing likewise? Provide complete details.
c. Response:

Please refer to Owen's response to Question 8 in Commission Staff's First Data.

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Reference the Stallons testimony, p.9, question no. 25, wherein he cites a study conducted of Owen's low-income customers. Provide a copy of that study.
a. Question:

Mr. Stallons' answer to this question indicates that from a general perspective, low-income customers' usage is higher than the class average. Is this true on Owen's system, or only from an overall utility perspective?
a. Response:

The study was conducted solely from Owen's members. See attachment to Question 43 for copy of study.
b. Question:

Has Owen either conducted, or considered conducting, a review of other utilities' DSM programs designed to lower consumption among low- income customers? Please explain in complete detail.
b. Response:

Owen is participating in the EKPC RE/DSM Collaborative and is co-chair of the DSM subcommittee. Within the DSM subcommittee Owen is involved in investigating industry best practices, potential rate structures, and new technology. Kentucky \$mart Home and other innovative programs nationwide that address low income markets are being studied.

# OWEN ELECTRIC COOPERATIVE 

CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Reference the Stallons testimony, p.10, question no. 26, wherein Mr. Stallons identifies types of customers who benefit from lower customer charges. Has Owen considered charging a higher customer charge and/or energy charge for customers such as those identified in Mr. Stallons' answer who are more expensive for Owen to serve? Please discuss in detail.
a. Does Owen believe it is appropriate for all residential customers to subsidize the types of service discussed in this question?
b. Would it be more appropriate to charge for actual cost of service for these types of service? If so, would doing so mitigate any needs to increase the customer charge on the overall class? Please discuss in detail.

Response:

Owen has looked at the Grayson rate model for seasonal loads where the customer charge is $\$ 20$ per month. If we find that the proposed inclining block does not meet these members needs then we will take another look at the Grayson model. The Grayson model adequately addresses the seasonal load issue but does not resolve the throughput issue for all residential members. Our proposal is comprehensive in that regard.

Item No 72

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Reference the Stallons testimony, pp.10-11, question no. 27, wherein he states that "the advent of renewable energy, distributed generation, and net metering" were factors that made it more important for cooperatives in Illinois to increase the customer charge. Please describe whether the effects of renewable energy, distributed generation and net metering have had a similar influence on both the EKPC system as a whole, and in particular Owen's system.

## Response:

Illinois systems began moving to $\$ 20$ plus customer charges roughly ten years ago.
We have several net metering applications that are being subsidized by other members in carrying the fixed costs of the distribution system. Our rate proposal will lessen this subsidy.

## OWEN ELECTRIC COOPERATIVE

CASE NO. 2011-00037

## RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:
Please provide theoretical support for the notion that fixed costs should be recovered form fixed charges.

## Response:

Owen is not proposing to have all of its fixed costs recovered through a fixed charge. In the short run, all of Owen's distribution costs are fixed while all of its variable costs are the cost of purchased power from its wholesale power supplier. Owen is proposing to recover most its customer related costs through a customer charge. The customer charge is a fixed monthly amount but it is not based on all of Owen's total distribution costs.

Attached as page two to this response is a summary of the breakdown of the results of the COSS for the Schedule 1, Farm and Home, and Schedule 1, Small Commercial. The results are provided on the basis of the average customer and the average per kWh . Costs are broken down into two components for wholesale power costs, demand related and energy related. For distribution costs, they are broken down into demand related, energy related and consumer/customer related. It seems to be logical to collect the consumer related costs on the basis of a fixed monthly charge.

The methodology in the COSS is consistent with those presented in the National Association of Regulatory Utility Commissioners ("NARUC") in their Electric Utility Cost Allocation Manual.

BREAKDOWN OF COSTS FOR RESIDENTIAL AND SMALL COMMERCIAL RATE CLASSES

TESTY YEAR - CY 2009


# OWEN ELECTRIC COOPERATIVE 

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:

Please provide monthly bill frequencies for Schedule I-Farm and Home for the test year. Please provide in electronic format (Excel preferred).

Response:

See attached CD.

# Item No 75 <br> Page 1 of 1 

Witness: Jim Adkins
OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

RE: Exhibit 6, Page 5 of the Application. Please provide in electronic format (Excel preferred) and indicate if this Exhibit is applicable only to Schedule 1-Farm or Home or multiple rate schedules.

## Response:

Yes, the attached is applicable.
$\cdots$
-

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

Please provide annual usage, average number of customers, and number of bills for residential and Farm (Schedule 1) for each of the last 10 years.

## Response:

See attached schedule for information relating to the last eight (8) years. Data for years 2000 and 2001 broken out by by rate class was unavailable. Owen's record retention policy only requires retention of revenue reports for 6 years.

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# OWEN ELECTRIC COOPERATIVE <br> CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

Item No 77
Page 1 of 1
Witness: Rebecca Witt

Please provide the following for each rate class other than Schedule 1 -Farm and Home for each of the last 10 years:
a. Question:
identification of each rate class schedule; and
b. Question:
annual usage, average number of customers and number of bills for each rate schedule

## Response:

See response to Question 76 above.

Please provide the following regarding Owen's power suppliers for the test year:
a. Question:
identification of each power supplier;
a. Response

East Kentucky Power Cooperative ("EKPC")
b. Question:
copy of each power supply contract and/or agreement with each of the power suppliers identified in (a); and,
b. Response:

See Attached
c. Question:
copies of the monthly bills for energy and demand to Owen rendered by the power suppliers identified in (a).
c. Response:

Attached please see copies of totals sheets for each month's power bill during the test year that contain the total demand and energy components of the bill from EKPC to Owen Electric.


SUBMITTED BY THE ABOVE DESIGNATED BORROWER PURSUANT TO THE TERMS OF THE LOAN CONTRACT, IS HEREBY APPROVED SOLELY FOR THE PURPOSES OF SUCH CONTRACT.

DATED
DEC 241964
FOR THE ADMINISTRATOR


WHOLESALE POWER CONTRACT Between EAST KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION and

OWEN COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION

Item page 4 if the

## CONTENTS

Section Page

1. General1
2. Electric Characteristics and Delivery Points ..... 2
3. Substations ..... 2
4. Rate ..... 3
5. Meter Readings and Payment of Bills ..... 4
6. Meter Testing and Billing Adjustment ..... 4
7. Notice of Meter Reading or Test ..... 4
8. Right of Access ..... 412.13.
9. Continuity of Service ..... 5
10. Term ..... 5
11. Approvals ..... 5
Supplemental Agreement ..... 6
Rate Schedule A (Revised - Effective January l, ..... 8 1963)

WHOLESALE POWER CONTRACT (Superseding Previous Contract)

AGREEMENT made as of October 1, 1964, between EAST KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION (hereinafter called the "Seller"), a corporation oxganized and existing under the laws of the State of Kentucky and OWEN COUNPY RURAL ELDCORIC COOPERATIVE CORPORATION (hereinafter called the "Member"), a corporation organized and existing under the laws of the State of Kentucky,

WHEREAS, the Seller owns and operates electric genexating plants, transmission system and other facilities, and may purchase or otherwise obtain electric power and energy for the purpose, among others, of supplying electric power and energy to borrowers from the Rural Electrification Administration which are or may become members of the Seller; and

WHEREAS, the Seller has heretofore entered into or is about to enter into agreements for the sale of electric power and energy similar in form to this agreement with all of the borrowers which are menbers of the Seller, and may enter into similar contracts with other such borrowers who may become members, and

WHEREAS, the Member desires to purchase electric power and energy from the Seller on the terms and conditions herein set forth;

NOW THEREFORE, in consideration of the mutual undertakings herein contained, the parties hereto agree as follows:

1. General. The Seller shall sell and deliver to the Member and the Member shall purchase and receive from the Seller all electric power and energy which the Member shall require for the operation of the Member's system to the extent that the Seller shall have such power and energy and facilities available; provided, however, that the Member shall have the right to continue to purchase electric power and energy under any existing contract or contracts with a supplier other
than the Seller during the remainder of the term thereof. The Member shall terninate, if the Seller shall, with the approval or at the direction of the Administrator of the Rural Electrification Administration (hereinafter called the "Administrator") so request, any such existing contract or contracts with a supplier other than the Seller at such times as it may legally do so, provided the Seller shall have suficient electric power and energy and facilities available for the Member.
2. Electric Characteristics and Delivery Point (s). Electric power and energy to be furnished hereunder shall be alternating current, three phase, four wire, sixty cycle. The Seller shall make and pay for all final connections between the systems of the Seller and the Member at the point (s) of delivery.

The points of delivery will be:

Bank Lick
$\frac{\text { Boone County }}{\text { Grants Lick }}$

Mung
New Liberty

and such other points as may be required by Member to adequately serve their respective members.
3. Substations. The Seller shall install, own, and maintain the necessary substation equipment at the point (s) of connection. The Seller shall own and maintain switching and protective equipment which may be reasonably necessary to enable the Member to take and use the electric power and energy hereunder and to protect the system of the Seller. Meters and metering equipment shall be furnished and maintained by the Seller and shall be located at the point of delivery on the low voltage side of such transforming equipment. Member will be responsible for reading meters and making reading information available to Seller.
4. Rate. (a) The Member shall pay the Seller for all electric power and energy furnished hereunder at the rates and on the terms and conditions set forth
in Rate Schedule A, (Effective January 1, 1963), attached hereto and made a part hereof.
(b) The Board of Directors of the Seller at such intervals as it shall deem appropriate, but in any event not less frequently than once in each calendar year, shall review the rate for electric power and energy furnished hereunder and under similar agreements with other Members and, if necessary, shall revise such rate so that it shall produce revenues which shall be sufficient, but only sufficient, with the revenues of the Seller from all other sources, to meet the cost of the operation and maintenance (including without limitation, replacements, insurance, taxes and administrative and general overhead expenses) of the generating plant, transmission system and related facilities of the Seller, the cost of any power and energy purchased for resale hereunder by the Seller, the cost of transmission service, make payments on account of principal of and interest on all indebtedness of the Seller, and to provide for the establishment and maintenance of reasonable reserves. The Seller shall cause a notice in writing to be given to the Member and other members of the Seller and the Administrator which shall set out all the proposed revisions of the rate with the effective date thereof, which shall be not less than thirty (30) nor more than forty-five (45) days after the date of the notice, and shall set forth the basis upon which the rate is proposed to be adjusted and established. The Member agrees that the rate from time to time established by the Board of Directors of the Seller shall be deemed to be substituted for the rate herein provided and agrees to pay for electric power and energy furnished by the Seller to it hereunder after the effective date of any such revisions at such revised rates; provided, however, that no such revision shall be effective unless approved in writing by the Administrator.
5. Meter Readings and Payment of Bills. The Member shall read meters monthly. Electric power and energy furnished hereunder shall be paid for at the office of the Seller in Seller's designated office monthly within fifteen as)
days after the bill therefor is mailed to the Member. If the Member shall fail to pay any such bill within such fifteen-day period, the Seller may discontinue delivery of electric power and energy hereunder upon fifteen (15) days' written notice to the Member of its intention so to do.
6. Meter Testing and Billing Adjustment. The Seller shall test and calibrate meters by comparison with accurate standards at intervals of twelve (12) months. The Seller shall also make special meter tests at any time at the Member's request. The costs of all tests shall be borne by the Seller; provided, however, that if any special meter test made at the Member's request shall disclose that the meters are recording accurately, the Member shall reimburse the Seller for the cost of such test. Meters registaring not more than two per cent (2\%) above or below normal shall be deemed to be accurate. The readings of any meter which shall have been disclosed by test to be inaccurate shall be corrected for the ninety (90) days previous to such test in accordance with the percentage of inaccuracy found by such test. If any meter shall fail to register for any period, the Member and the Seller shall agree as to the amount of power and energy furnished during such period and the Seller shall render a bill therefor.
7. Notice of Meter Reading or Test. The Seller shall notify the Member in advance of the time of any meter reading or test so that the Member's representative may be present at such meter reading or test.
8. Right of Access. Duly authorized representatives of either party hereto shall be permitted to enter the premises of the other party hereto at all reasonable times in order to carry out the provisions hereof.
9. Continuity of Service. The Seller shall use reasonable diligence to provide a constant and uninterrupted supply of electric power and energy hereunder. If the supply of electric power and energy shall fail or be interrupted, or become defective through act of God or of the public enemy, or because of accident, labor troubles, or any other cause beyond the controd of the Seller, the Seller shall not be liable therefor or for damages caused thereby.
10. Term. This Agreement shall become effective only upon approval in writing by the Administrator and shall remain in effect until January 1, 2010, and thereafter until terminated by either party's giving to the other not less than six months' written notice of its intention to terminate. Subject to the provisions of Article 1 hereof, service hereunder and the obligation of the Member to pay therefor shall commence upon completion of the facilities necessary to provide service.

When this contract and agreement is fully approved and executed, it completely replaces and supersedes Wholesale Power Contract dated January 18, 1951, and all amendments related thereto, between Seller and Member.

EXECUTED THE day and year first above mentioned.

## ATtest:

EAST KENTUCKY RURAL ELECTRIC COOP. CORP. Seller



ATTEST:


AGREEMENT made as of October 1, 1964, between EAS: KEYTLCKY RURAL ELECTRTC COOPERATIVE CORPORAT LOX (hereinafter called the 'Seller"', OWEN COUNTY RURAL RURAL ELDCTRIC COOPERATIVE CORPORATION (hereina[ter called the "Member"), and the United States of America, acting through the Administrator of the Rural Electrification Administration (hereinafter called the "Administrator").

WHEREAS, the Seller and the Nember have entered into a contract for the purchase and sale of electric power and energy, which contract is attached hereto and is hereinafter called the "Power Confract:" and

WHEREAS, the execution of the Power Contract between the Member and the Seller is subject to the approval of the Administrator under the terms of the loan contracts entered into with the Administrator by the Seller and the Member respectively;

NOW, THEREFORE, in consideration of the mutual undertakings herein contained, and the approval by the Administrator of the Power Contract, the parties hereto agree as follows:

1. The Seller, the Member and the Administrator agree that if the Member, upon being requested to do so by the Seller with the approval or at the direction of the Administrator, shall fail to terminate any contract with a power supplier other than the Seller, as provided by Section 1 of the Pover Contract, the Seller, or the Administrator if he shall so elect, shall have the right to enforce the obligations of the Member under the provisions of said Section 1 of the Contract by instituting all necessary actions at law or suits in equity, including, without limitations, suits for specific performance.

IN WITNESS WHEREOF, the parties have caused this Agreement to be duly executed as of the day and year first above mentioned.

Supplemental Agreement
(Contd.) -- Page 2


EAST KENTUCKY RURAL ELECTRIC COOP. CORP. Seller

By :


OWEN COUNTY RURAL ELECTRIC COOP. CORP. Member

By :


UNITED STATES OF AMERICA

By : $\qquad$
of
Rural Electrification Administration

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EAST KENTUCKY RURAL ELECTRIC COOPERATI VE CORPORATION
                    Wholesale Power Rate Structure
    Schedule A (Revised - Effective January 1, 1963).
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## AVI LABILITY

Available to all cooperative associations which are or shall be members of the seller. The electric power and energy furnished hereunder shall be separately metered for each point of delivery.

MONTHLY RATE - PER SUBSTATION OR METERING POINT
Substation Charge
$\$ 100$ per month for each energized substation. In the event of joint utilization, this charge shall be divided equally.

Demand Charge
$\$ 1.10$ per $k w$ of billing demand.
Energy Charge
First $300,000 \mathrm{Kwh} @ 5.0 \mathrm{mills}$ per Kwh
Next $400,000 \mathrm{Kwh}$ @ 4.4 mills per Kwh
Excess of $700,000 \mathrm{Kwh}$ (3) 3.9 mills per Kwh
Minimum Monthly Charge
The minimum monthly charge under the above rate shall not be less than $\$ 100$ to each member for each energized substation (metering point).

BI LING DEMAND
The billing demand is the arithmetical sum of the maximum kilowatt demands measured (and adjusted for power factor as provided below) at all points of delivery. The maximum kilowatt demand at each point of delivery shall be the highest average rate at which energy is used during any fifteen consecutive minute period of the month.

## FUEL ADJUSTMENT

The above energy charges will be increased or decreased $0.001323 ¢$ per Kwh for each . l \& by which the average delivered cost of fuel at the Dale and Cooper stations during the immediately preceding six months exceeds $21 \%$ or is less than $18 \%$ per million BTU .

## POWER FACTOR ADJUSTMENT

The member cooperative agrees to maintain unity power factor as nearly as practicable at each point of delivery. If the power factor measured at a point of delivery at the time of monthly maximum demand is determined to be less than $80 \%$, the monthly maximum demand measured at that point of delivery shall be adjusted by multiplying the monthly maximum demand by $80 \%$ and dividing the product thus obtained by the actual per cent power factor measured at the time of such maximum demand.
tHE within Amendment \#1 dated October 28, 1976 to Wholesale
Power Contract dated October 1, 1964 with East Kentucky Power Cooperative, Inc.

SUBMITTED BY THE ABOVE DESIGNATED BORROWER PURSUANT TO THE TERMS OF THE LOAN CONTRACT, IS HEREBY APPROVED SOLELY FOR THE PURPOSES OF SUCH CONTRACT.


DATED
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DAVID A. HAMIL Administrator

## FROM THE MINUTE BOOK OF PROCEEDINGS

OF THE BOARD OF DIRECTORS OF
Owen County
REC

At a regular meeting of the Board of Directors of Owen County RECC held at $\qquad$ , Kentucky on Oct. 28, , 1976, the following business was transacted:


#### Abstract

A document entitled First Amendment to Wholesale Power Contract dated October 1, 1964 with East Kentucky Power Cooperative, Inc. was presented. This amendment lists all current points (substations) of power deliveries and extends the expiration date of the aforesaid contract from January 1, 2010 to January 1, 2018 in compliance with REA Loan Policy and Requirements.

After discussion, a motion was made, seconded and passed to approve this First Amendment to Wholesale Power Contract and authorize its execution.


The foregoing is a true and exact copy of a resolution passed at a meeting called pursuant to proper notice at which a quorum was present and which now appears on the Minute Book of Proceedings of the Board of Directors of the Cooperative and said resolution has not been rescinded or modified.

Witness my hand and seal this $28 t_{\text {th }}$ day of October, 1976.
 , Secretary

Corporate Seal


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FIRST AMENDAENT TO
WHOLESALE PONER CONTRACT

THIS AMENDMENT made on October 28, 1976 by and between EAST KENTUCKY PONER COOPERATIVE, INC. (formerly named EAST KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION), a corporation organized and existing under the laws of the Commonvealth of Kentucky, hereinafter called "SELLER"', and OIVEN COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION , a corporation organized and existing under the lavs of the Commonwealth of Kentucky, hereinafter called 'MEMBER'.

WHEREAS, SELLER and MENBER have entered into a contract dated October 1, 1964, for the purchase and sale of electric power and energy, with the approval of the Administrator of the Rural Electrification Administration, and said wholesale Power Contract is now in full force and effect; and

WIEREAS, SELLER, MEMBER and the aforesaid Administrator have entered into a Supplemental Agreement dated October 1, 1964, that provides for certain rights and obligations to guarantee compliance with the aforesaid Wholesale Power Contract; and

NHEREAS, the aforesaid Administrator has entered into a contract of guarantee with SELLER, whereby SELLER shall obtain a guaranteed loan of $\$ 379,268,000$ to finance a project consisting of the construction and operation of a 500 MN generating unit at the Spurlock Power Station, with related substation and transmission line facilities; and

NOW, THEREFORE, in consideration of the mutual undertakings herein contained, and in order to consummate and finalize the aforesaid financial
arrangements, SELLER and MEMBER do hereby reiterate and reaffirm the provisions of the aforesaid Wholesale Power Contract and Supplemental Agreement with the exception of the following provisions to which they do now hereby agree to amend and adopt, to-wit:

1. Section 2 of the aforesaid Wholesale Power Contract is amended to read:

## Electric Characteristics and Delivery Point(s). Electric

power and energy to be furnished hereunder shall be altemating current, three phase, four wire, sixty cycle. The Seller shall make and pay for all final connections between the systems of the Seller and the Member at the point (s) of delivery. The points of delivery will be:

| Bank Lick | Grants Lick |  |
| :--- | :--- | :--- |
| Big Bone Griffin |  |  |
| Boone County | Milliamstown |  |
| Bullittsville | New Liberty |  |
| Carson | Penn |  |

and such other points as may be required by Member to adequately serve their respective members.
2. Section 10 of the aforesaid Wholesale Power Contract is amended to read:

Term. This Agreement shall become effective only upon approval in writing by the Administrator and shall remain in effect until January 1, 2018, and thereafter until terminated by either party's giving to the other not less than six months' written notice of its intention to terminate. Subject to the provisions of Article 1

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hereof, service hereunder and the obligation of the Member to pay therefor shall commence upon completion of the facilities necessary to provide service.

IN WITNESS IWEREOF, the parties have caused this First Amendment to be duly executed as of the date first above written.
(SELLER) EAST KENTUCKY POWER COOPERATIVE, INC.


Chairman of the Board
ATTEST:

(MEMBER) OVEN COUNTY RURAL ELECTRIC
COOPERATIVE CORPORATION

ATTEST:


## Secrevit © Cortancu



THIS AMENDMENT made on April 1, 1980 by and between
EAST KENTUCKY PONER COOPERATIVE, INC. (formerly named EAST KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION), a corporation organized and existing under the laws of the Commonwealth of Kentucky, hereinafter called "SELLER', and ONEN COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION , a corporation organized and existing under the laws of the Commonwealth of Kentucky, hereinafter called 'REMBER'.

WHEREAS, SELLER and MEMBER have entered into a contract dated October l, 1964, for the purchase and sale of electric power and energy, with the approval of the Administrator of the Rural Electrification Administration, and said Wholesale Power Contract is now in full force and effect; and

WHEREAS, SELLER, MEMBER and the aforesaid Administrator have entered into a Supplemental Agreement dated October 1, 1964, that provides for certain rights and obligations to guarantee compliance with the aforesaid Wholesale Power Contract; and

IWHEREAS, SELLER and MEMBER have also entered into a First. Amendment to Wholesale Power Contract dated October 28, 1976, that provides for an extension in the Wholesale Power Contract from 2010 to 2018 in compliance with REA loan policy and requirements; and

WHEREAS, SELLER has proposed and the aforesaid Administrator is contemplating a loan, guaranteed or otherwise, in the approximate amount of $\$ 1,500,000,000$ to finance a project consisting of the construction and operadion of two 650 MNV generating units, with related substation and transmission
line facilities; and
NOW, THEREFORE, in consideration of the mutual undertakings herein contained, and in order to consumate and finalize the aforesaid financial arrangements, SELLER and MEMBER do hereby reiterate and reaffirm the provisions of the aforesaid Wholesale Power Contract, Supplemental Agreement and First Amendment to Wholesale Pover Contract with the exception of the following provisions to which they do now hereby agree to amend and adopt, to-wit:

1. Section 2 of the aforesaid Wholesale Power Contract, as Amended, is further amended to read:

Electric Characteristics and Delivery Point(s). Electric
power and energy to be furnished hereunder shall be alternating current, three phase, four wire, sixty cycle. The Seller shall make and pay for all final connections between the systems of the SELLER and the MEMBER at the point (s) of delivery.

The points of delivery will be:

| Bank Lick | Big Bone | Boone County |
| :--- | :--- | :--- |
| Bullittsville | Carson |  |
| Griffin | Keith | Mrants Lick |
| New Liberty |  |  |

and such other points as may be required by MEMBER to adequately serve their respective members.
2. Section 10 of the aforesaid Wholesale Power Contract, as Amended, is further amended to read:

Term. This Agreement shall become effective only upon approval in writing by the Administrator and shall remain in effect until

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January 1, 2025, and thereafter until terminated by either party's giving to the other not less than six months' written notice of its intention to terminate. Subject to the provisions of Article 1 hereof, service hereunder and the obligation of the MENBER to pay therefor shall commence upon completion of the facilities necessary to provide service.

IN WITNESS WHEREOF, the parties have caused this Second Amendment to be duly executed as of the date first above written.
(SELLER) EAST KENTUCKY POWER COOPERATIVE, INC.

By:

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Chairman of the Board

(MEMBER) OWEN COUNTY RURAL ELECTRIC


ATTEST:
$\frac{\text { quant } Q \text { Preteen }}{\text { Secretary }}$

APPROVED: UNITED STATES OF AMERICA

By:
Administrator of
Rural Electrification Administration

At a regular meeting of the Board of Directors of

## Owen County

 RECC held at the headquarters building in Owenton , Kentucky on March 21, , 1980, the following business was transacted:A document entitled Second Amendment to Wholesale Power Contract, as Amended, dated October 28, 1976, with East Kentucky Power Cooperative, Inc. was presented. This Amendment lists all current points (substations) of power deliveries and extends the expiration date of the aforesaid contract, as Amended, from January 1, 2018 to January 1, 2025 in compliance with REA Loan Policy and Requirements.

After discussion, a motion was made, seconded and passed to approve this Second Amendment to Wholesale Power Contract, as Amended, and authorize its execution.

The foregoing is a true and exact copy of a resolution passed at a meeting called pursuant to proper notice at which a quorum was present and which now appears on the Minute Book of Proceedings of the Board of Directors of the Cooperative and said resolution has not been rescinded or modified.

Witness my hand and seal this 21st day of $\qquad$ March , 1980.


## SUPPLEMENTAL AGREEMENT

THIS SUPPLEMENTAL AGREEMENT is made as of the 23 rd day of
$\qquad$ 1998, between EAST KENTUCKY POWER COOPERATIVE, INC.
(hereinafter called the "Seller"), and Owen Electric Cooperative, Inc.____ (hereinafter called the "Member"), its successors and assigns, and the United States of America (hereinafter called the "Government"), acting through the Administrator of the Rural Utilities Service (hereinafter called the "Administrator").

WHEREAS, the Seller and the Member have entered into a contract for the purchase and sale of electric power and energy dated October 1, 1964, which contract, as it may heretofore have been amended and supplemented, is hereinafter called the "Power Contract"; and,

WHEREAS, the Seller is seeking a new loan which is subject to the approval of the Administrator; and,

WHEREAS, the Government is relying on the Power Contract, as supplemented by this Supplemental Agreement, and similar contracts between Seller and other borrower from the Rural Utilities Service to assure that the "Notes" referred to in the Power Contract are repaid and the purposes of the Rural Electrification Act of 1936, as amended, are carried out and the Seller and Member. by executing this Supplemental Agreement, acknowledge this reliance.

NOW, THEREFORE, for and in consideration of the mutual undertaking herein contained and the approval by the Administrator of the pending loan, the parties hereto agree as follows:

SECTION I. Limitations on Transfers of the Member's Assets.
(a) The Member agrees that, for so long as any of the Seller Notes are outstanding, the Member will not, without the approval in writing of the Seller and the Administrator, take or suffer to be taken any steps for reorganization or dissolution, or to consolidate with or merge into any corporation, or to sell, lease or, transfer (or make any agreement therefor) all or a substantial portion of its assets. whether now owned or hereafter acquired. The Seller will not unreasonably withhold or condition its consent to any such reorganization, dissolution, consolidation, or merger,
or to any such sale, lease or transfer (or any agreement therefor) of assets. The Seller will not withhold or condition its consent except in cases where to do otherwise would result in rate increases for the other members of the Seller, or impair the ability of the Seller to repay its secured loans in accordance with their terms, or adversely affect system performance in any material way.
(b) Notwithstanding paragraph (a) of this section, the Member may take or suffer to be taken any steps for reorganization or dissolution, or to consolidate with or merge into any corporation or to sell, lease or transfer (or make any agreement therefor) all or a substantial portion of its assets, whether now owned or hereafter acquired without the Seller's consent, so long as the Member shall pay such portion of the outstanding indebtedness on the Seller's Notes or other obligations as shall be determined by the Seller with the prior written consent of the Administrator and shall otherwise comply with such reasonable terms and conditions as the Administrator and Seller may require either:
(1) to eliminate any adverse effect that such action seems likely to
have on the rates of the other members of the Seller, or
(2) to assure that the Seller's ability to repay the Seller Notes and other obligations of the Seller in accordance with their terms is not impaired.
(c) The Administrator may require, among other things, that any payment owed under (b)(2) of this section that represents a portion of the Seller's indebtedness on the Seller Notes shall be paid by the Member in the manner necessary to accomplish a defeasance of those obligations in accordance with the loan documents relating thereto, or be paid directly to the holders of the Seller Notes for application by them as prepayments in accordance with the provisions of such documents, or be paid to the Seller and held and invested in a manner satisfactory to the Administrator.

## SECTION 2. Permitted Transactions.

Votwithstanding the provisions of section I of this Supplemental Agreement, the Member may merge into or consolidate with:
(i) another member of the Seller, provided that the Member shall have provided evidence, in form and substance satisfactory to the Seller and the Administrator, that the obligations of the Member under the Power Contract and this Supplemental Agreement have been assumed by, and are binding on, the successor; or
(ii) a third party that is not a business competitor of the Seller or another Member System, or is not owned by or affiliated with such a business competitor of the Seller or another Member System, provided that the Member and such third party shall have provided assurances, in form and substance satisfactory to the Seller and the Administrator, that the obligations of the Member under the Power Contract and this Supplemental Agreement have been assumed by and are binding on such third party, the third party shall have the ability to perform its payment and other obligations under the Power Contract and this Supplemental Agreement, electric service will continue to be provided to those customers served by such Member, and such merger or consolidation will not otherwise materially adversely affect the Seller or the Government. For the purposes of this paragraph, a business competitor is defined as an organization whose primary business is in direct competition with the primary business of the Seller or another Member System.

## SECTION 3. Specific Performance Available.

The Seller, the Member and the Administrator agree that (i) if the Member shall fail to comply with any provision of the Power Contract, the Seller, or the Administrator, if the Administrator so elects, shall have the right to enforce the obligations of the Member under the provisions of the Power Contract and (ii) if the Seller shall fail to comply with any provision of the Power Contract, the Members or the Administrator, if the Administrator so elects, shall have the right to enforce the obligations of the Seller under the provisions of the Power Contract. Such enforcement may be by institutiting all necessary actions at law or suits in equity, including, without limitation, suits for specific performance. Such rights of the Administrator to enforce the

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provisions of the Power Contract are in addition to and shall not limit the rights which the Administrator shall otherwise have as third party beneficiary of the Power Contract or pursuant to the assignment and pledge of the Power Contract and the payments required to be made thereunder as provided in the "Mortgage" referred to in the Power Contract. The government shall not, under any circumstances, assume or be bound by the obligations of the Seller or Member under the Power Contract except to the extent the Government shall agree in writing to accept and be bound by any such obligations in whole or in part.

SECTION 4. This Agreement may be simultaneously executed and delivered in two or more counterparts, each of which so executed and delivered shall be deemed to be an original, and all shall constitute but one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of the day and year first above mentioned.

By:


Title: Chairman, Owen Electric Cooperative, Inc.


## ATTEST:



By


Title: CHAIRMAN OF THE BOARD
$\backslash$

C'VITED STATES OF AMERICA
By
Administrator
of the
Rural Utilities Service

## MEMORANDUM OF AGREEMENT

This Memorandum of Agreement, dated July 23, 1998 by and between Owen EC $\qquad$ , a Kentucky corporation with its principal office at 510 South Main St., Owenton, KY 40359-1261 (hereinafter called "Member"); and East Kentucky Power Cooperative, Inc., a Kentucky corporation with its principal offices at 4775 Lexington Road, P. O. Box 707, Winchester, Kentucky 40392-0707 (hereinafter referred to as "Seller").

## WITNESSETH

Whereas, Seller and Member are parties to a Wholesale Power Contract (the "Power Contract") along with the United States of America, acting through the Administrator of the Rurai Utilities Service (the "Administrator") dated October 1, 1964and a Supplemental Agreement to said Power Contract (the "Agreement") dated July 23, 1998 ; and

Whereas, The Parties hereto desire to establish certain additional understandings relating to said Agreement;

Now, Therefore, in consideration of the mutual covenants made herein, the parties hereto agree as follows:

## 1. Settlement Efforts

In the event that Member shall determine to enter any transaction requiring approval under paragraph 1(a) of the Agreement or to exercise its rights under paragraph 1(b) of the Agreement, Seller and Member are to make a good faith effort to reach an agreement as to the settlement amount due to and from each party and/or the portion of outstanding indebtedness due by . Member on Seller's Notes and other obligations, which portion shall be determined as provided in paragraph 1 (b) (1) and (2) of the Agreement.

In the event that the parties cannot reach an agreement in these matters, they agree to utilize alternative dispute resolution measures in order to arrive at the amounts contemplated above or the portions of indebtedness required to accomplish the subject

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transactions) : Provided however, that nothing herein shall limit the rights of the Administrator to determine the acceptability of such settlement with Seller or such portion of Seller's indebtedness that must be paid by the Member, taking into account the recommendation of the Member and Seller and/or any dispute resolution findings

## 2. Fundamental Rights.

The parties hereto agree that the terms of the Supplemental Agreement are not intended to and do not change the fundamental rights of the parties under the Power Contract.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of the day and year first above mentioned

By :


Title: Chairman, Owen Electric Cooperative, Inc.


ATTEST:


Secretary
(3gmitrus)

## AMENDMENT NO. 3 TO WHOLESALE POWER CONTRACT BETWEEN EAST KENTUCKY POWER COOPERATIVE, INC. AND OWEN ELECTRIC COOPERATIYE, INC.

This Agreement dated the 23rd day of October, 2003, amends the Wholesale Power Contract dated October 1, 1964 between East Kentucky Power Cooperative, Inc. (hereinafter "Seller") and Owen Electric Cooperative, Inc. (hereinafter "Member") as follows:

1. Numerical Section 1 of the Wholesale Power Contract shall be amended and restated to read in its entirety as follows:
2. General - The Seller shall sell and deliver to the Member and the Member shall purchase and receive from the Seller all electric power and energy which shall be required to serve the Member's load, including all electric power and energy required for the operation of the Member's system. Notwithstanding the foregoing, the Member shall have the option, from time to time, with notice to the Seller, to receive electric power and energy, from persons other than the Seller, or from facilities owned or leased by the Member, provided that the aggregate amount of all members' elections (measured in megawatts in 15 -minute intervals) so obtained under this paragraph shall not exceed five percent (5\%) of the rolling average of Seller's coincident peak demand for the single calendar month with the highest peak demand occurring during each of the 3 twelve month periods immediately preceding any election by the Member from time to time, as provided herein and further provided that no Member shall receive more than fifteen percent ( $15 \%$ ) of the rolling average of its coincident peak demand for the single calendar month with the highest average peak demand occurring during each of the 3 twelve month periods immediately preceding any election by the Member from time to time, as provided herein.

EAST KENTUCKY POWER COOPERATIVE, INC.


Its:CHARMMAN OF THE BOARP

OWEN ELECTRIC COOPERATIVE, INC.

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FOURTH AMENDMENT

## WHOLESALE POWER CONTRACT, AS AMENDED

THIS AMENDMENT made on May 12,2009 by and between EAST KENTUCKY POWER COOPERATIVE, INC., a corporation organized and existing under the laws of the Commonwealth of Kentucky, hereinafter called "SELLER", and OWEN ELECTRIC COOPERATIVE, a corporation organized and existing under the laws of the Commonwealth of Kentucky, hereinafter called "MEMBER".

WHEREAS, SELLER and MEMBER have entered into a contract dated October 1, 1964, for the purchase and sale of electric power and energy, with the approval of the Administrator of the Rural Electrification Administration (the predecessor of the Rural Utilities Service), and said Wholesale Power Contract is now in full force and effect; and

WHEREAS, SELLER and MEMBER and the aforesaid Administrator have entered into two Supplemental Agreements dated October 1, 1964 and July 23, 1998, that provide for certain rights and obligations to guarantee compliance with the aforesaid Wholesale Power Contract; and

WHEREAS, SELLER and MEMBER have also entered into two amendments to the Wholesale Power Contract, dated October 28, 1976, and March 21, 1980, that provide for a combined extension in the Wholesale Power Contract from 2010 to 2025 in compliance with RUS loan policy and requirements; and

WHEREAS, SELLER and MEMBER have also entered into a third amendment to the Wholesale Power Contract, dated October 23, 2003, which provides for an extension of the Wholesale Power Contract from 2025 to 2041, in compliance with RUS loan policy and requirements, and which provides the MEMBER certain limited rights to provide a portion of its
own power requirements, or to obtain a portion of its power requirements from another power supplier;

WHEREAS, SELLER has proposed and the aforesaid Administrator is contemplating a lien accommodation request relating to approximately $\$ 900,000,000$ of private financing to finance a project consisting of the construction and operation of a 278 MW coal-fired generating unit, with related substation and transmission line facilities; and

NOW, THEREFORE, in consideration of the mutual undertakings herein contained, and in order to consummate and finalize the aforesaid financial arrangements, SELLER and MEMBER do hereby reiterate and reaffirm the provisions of the aforesaid Wholesale Power Contract, the two Supplemental Agreements, and the First, Second and Third Amendments to the Wholesale Power Contract, with the exception of the following provisions to which they do now hereby agree to amend and adopt, to-wit:

1. Section 10 of the aforesaid Wholesale Power Contract, as Amended, is further amended to read:

Term. This Agreement shall become effective only upon approval in writing by the Administrator and shall remain in effect until January 1, 2051, and thereafter until terminated by either party's giving to the other not less than six months' written notice of its intention to terminate. Subject to the provisions of Article 1 hereof, service hereunder and the obligation of the MEMBER to pay therefore shall commence upon completion of the facilities necessary to provide service.

IN WITNESS WHEREOF, the parties have caused this Fourth Amendment to be duly executed as of the date first above written.

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(SELLER) EAST KENTUCKY POWER COOPERATIVE, INC.

By:

(Title) Chairman of the Board

ATTEST:

(MEMBER) OWEN ELECTRIC COOPERATIVE, INC.


ATTEST:


APPROVED: UNITED STATES OF AMERICA

By:
Administrator of Rural Utilities Service


Item 78 page 35 of 46 ex ex
P.O. Box 707 Winchester, Kentucky 40391
Wholesale Power Invoice
Substation Detail Charges
February 2009


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Wholesale Power Invoice
Substation Detail Charges
April 2009 EAST KENTUCKY, ,IER COOPERATIVE INC. P.O. Box 707 Winchester, Kentucky 40391
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Item 78 page 43 of 4 豦
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## Question:

Please provide a copy of the most recent power requirements study (long range demand and energy forecast) conducted by or for Owen.

Response:

See attached.

# Owen Electric Cooperative 

## 2010 Load Forecast

Prepared by:
East Kentucky Power Cooperative, Inc.
Resource Planning Department

## Table of Contents

Introduction and Executive Summary ..... 3
Narrative ..... 13
Key Assumptions ..... 16
Methodology and Results ..... 24

- Residential Forecast ..... 30
- Public Buildings ..... 34
- Small Commercial ..... 36
- Large Commercial ..... 38
- Public Street and Highway Lighting ..... 40
- Peak Day Weather Scenarios ..... 43


## Introduction Executive Summary

Owen Electric Cooperative (Owen Electric) located in Owenton, Kentucky, is an electric distribution cooperative that serves members in nine counties. This load forecast report contains Owen Electric's long-range forecast of energy and peak demand.

Owen Electric and its power supplier, East Kentucky Power Cooperative (EKPC), worked jointly to prepare the load forecast. Factors considered in preparing the forecast include the national and local economy, population and housing trends, service area industrial development, electric price, household income, weather, and appliance efficiency changes.

EKPC prepared a preliminary load forecast, which was reviewed by Owen Electric for reasonability. Final projections reflect a rigorous analysis of historical data combined with the experience and judgment of the President/CEO and staff of Owen Electric. Key assumptions are reported beginning on page 16.

## Introduction Executive Summary

The load forecast is prepared biannually as part of the overall planning cycle at EKPC and Owen Electric. Cooperation helps to ensure that the forecast meets both parties' needs. Owen Electric uses the forecast in developing three-year work plans, long-range work plans, and financial forecasts. EKPC uses the forecast in areas of marketing analysis, transmission planning, generation planning, demand-side planning, and financial forecasting.

The complete load forecast for Owen Electric is reported in Table 1-1 on pages 5, 6, and 7. Residential and commercial sales, total purchases, winter and summer peak demands, and load factor are presented for the years 1990 through 2030.

|  | Table 1-1 <br> Owen Electric 2010 Load Forecast MWh Summary Excluding Gallatin |  |  |  |  |  |  |  |  | Including Gallatin |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Residential Sales <br> (MWh) | Small <br> Comun. <br> Sales <br> (MWh) | Public Buildings Sales (MWh) | Large Comm. Sales (MWli) | Public Street and Highway Lighting Sales (MWh) | Total Sales (MWh) |  | $\begin{gathered} \% \\ \text { Loss } \end{gathered}$ | Purclased Power (MWh) | Gallatin (MWh) | Purchased <br> Power <br> With <br> Gallatin <br> (MWh) | $\begin{gathered} \% \\ \text { Loss } \end{gathered}$ |
| 1990 | 312.603 | 46,235 | 3,669 | 20,123 | 177 | 382,807 | 733 | 8.3 | 418,457 | 0 | 418,457 | 8.3 |
| 1991 | 343.499 | 61.339 | 4,116 | 24,809 | 172 | 433,934 | 647 | 5.3 | 458,941 | 0 | 458.941 | 5.3 |
| 1992 | 342,536 | 61.727 | 5,994 | 24,192 | 172 | 434,622 | 637 | 5.2 | 458,929 | 0 | 458,929 | 5.2 |
| 1993 | 378,860 | 66,082 | 7,480 | 24,535 | 158 | 477,115 | 572 | 6.0 | 508,188 | 0 | 508,188 | 6.0 |
| 1994 | 399,328 | 72,341 | 7,995 | 25,204 | 152 | 505,020 | 893 | 4.7 | 530,926 | 0 | 530,926 | 4.7 |
| 1995 | 421,304 | 93,085 | 8,656 | 29,310 | 152 | 552,508 | 1,056 | 4.5 | 579,477 | 294,835 | 874,312 | 3.0 |
| 1996 | 452,162 | 92,937 | 9.215 | 35,603 | 148 | 590.065 | 1,074 | 5.2 | 623.394 | 640.756 | 1,264,151 | 2.6 |
| 1997 | 459,953 | 102,512 | 8.985 | 33,835 | 150 | 605.436 | 1,001 | 4.2 | 633,151 | 755,279 | 1,388,430 | 1.9 |
| 1998 | 479,197 | 113.645 | 9,435 | 32,309 | 140 | 634,727 | 947 | 5.6 | 673,649 | 696,051 | 1,369,699 | 2.8 |
| 1999 | 512,392 | 125,681 | 9,472 | 43,239 | 153 | 690,938 | 999 | 4.6 | 725,484 | 901,685 | 1,627,169 | 2.1 |
| 2000 | 538,817 | 140,359 | 9,630 | 75,839 | 351 | 764,997 | 1,087 | 3.2 | 791,195 | 906,171 | 1,697,367 | 1.5 |
| 2001 | 563,943 | 141,591 | 9,875 | 97,497 | 413 | 813,318 | 1,017 | 6.4 | 869,871 | 992,438 | 1,862,308 | 3.0 |
| 2002 | 615,132 | 138,298 | 11.002 | 113,503 | 559 | 878,494 | 1,04] | 3.9 | 915,457 | 1,005,491 | $1,920.948$ | 1.9 |
| 2003 | 621,331 | 150,927 | 11,883 | 119,256 | 665 | 904,061 | 1,202 | 4.8 | 950,612 | 1,007.676 | 1,958,288 | 2.3 |
| 2004 | 652,706 | 161,106 | 12.421 | 138,685 | 570 | 965,488 | 1,899 | 3.4 | 1.001.062 | 1,047.466 | 2,048.528 | 1.6 |
| 2005 | 696,107 | 178,068 | 11,928 | 173,061 | 522 | 1.059.686 | 1,889 | 4.2 | 1,107,846 | 992,824 | 2,100.670 | 2.2 |
| 2006 | 679.964 | 207,408 | 11,585 | 198,064 | 681 | 1,097,703 | 1,859 | 4.8 | 1,155,181 | 978,939 | 2,134,120 | 2.6 |
| 2007 | 746,858 | 226,685 | 15,009 | 192,139 | 589 | 1,181,281 | 2.044 | 4.2 | 1,235,503 | 986.518 | 2,222,021 | 2.3 |
| 2008 | 740,085 | 214.939 | 22,631 | 212,094 | 646 | 1,190,396 | 2,131 | 4.1 | i,243,317 | 956,332 | 2,199,649 | 2.3 |
| 2009 | 718,201 | 200,851 | 24,368 | 196,810 | 644 | 1,140,875 | 2,095 | 3.9 | 1,189,079 | 864,506 | 2,053,585 | 2.2 |
| 2010 | 735,354 | 208,010 | 24,824 | 216,749 | 644 | 1,185,581 | 2,090 | 3.9 | 1,235.584 | 969.150 | 2,206,361 | 2.2 |
| 2011 | 736,129 | 213,146 | 25,497 | 231.587 | 644 | 1,207,003 | 2,090 | 3.9 | 1,257,870 | 968.960 | 2,228,081 | 2.2 |
| 2012 | 741,123 | 218.708 | 26,004 | 271.488 | 644 | 1,257,967 | 2,090 | 3.9 | 1,311,194 | 967,411 | 2,278,631 | 2.2 |
| 2013 | 746,663 | 224.898 | 26,511 | 284,344 | 644 | 1,283,060 | 2,090 | 3.8 | 1,335,914 | 967,031 | 2,303,911 | 2.2 |
| 2014 | 760.875 | 231.414 | 27,017 | 295,246 | 644 | 1,315,196 | 2.090 | 3.8 | 1,369,320 | 968,462 | 2,338,249 | 2.2 |
| 2015 | 775,178 | 238,219 | 27,524 | 306,150 | 644 | 1,347,715 | 2,090 | 3.8 | 1,403,124 | 968,404 | 2,371,456 | 2.2 |
| 2016 | 792,060 | 245,227 | 28,030 | 317,152 | 644 | 1,383,112 | 2,090 | 3.7 | 1,438,424 | 968,850 | 2,408,122 | 2.2 |
| 2017 | 808,370 | 252,322 | 28,537 | 329,940 | 644 | 1,419,813 | 2,090 | 3.7 | 1,476,534 | 966,792 | 2,443,561 | 2.2 |
| 2018 | 825,758 | 259,459 | 29.043 | 342,789 | 644 | 1,457,693 | 2,090 | 3.7 | 1,515,870 | 966,524 | 2,482,037 | 2.2 |
| 2019 | 845,043 | 266,695 | 29.549 | 355,689 | 644 | 1,497,620 | 2,090 | 3.6 | 1,555,716 | 966,412 | 2,522,767 | 2.2 |
| 2020 | 863,358 | 274,155 | 30.056 | 368,677 | 644 | 1,536,889 | 2,090 | 3.6 | 1,596,451 | 968,439 | 2,565,010 | 2.2 |
| 2021 | 882.748 | 281,873 | 30,562 | 381,797 | 644 | 1,577,623 | 2,090 | 3.6 | 1,638,706 | 968,256 | 2,606,493 | 2.2 |
| 2022 | 903.883 | 289,834 | 31,069 | 395,063 | 644 | 1,620,492 | 2,090 | 3.5 | 1,681,433 | 968,089 | 2,650,177 | 2.2 |
| 2023 | 926.445 | 298,034 | 31.575 | 408,486 | 644 | 1,665,183 | 2,090 | 3.5 | 1.727 .744 | 966,278 | 2,694,041 | 2.2 |
| 2024 | 949,186 | 306.389 | 32,082 | 422,044 | 644 | 1,710,344 | 2.090 | 3.5 | 1.774,543 | 966,171 | 2,740.130 | 2.2 |
| 2025 | 970.462 | 314,899 | 32,588 | 435.715 | 644 | 1,754.308 | 2.090 | 3.4 | 1,818,217 | 965,789 | 2,784,712 | 2.2 |
| 2026 | 993.002 | 323,596 | 33,094 | 449.503 | 644 | 1,799,840 | 2,090 | 3.4 | 1,865,352 | 967,464 | 2,833,004 | 2.2 |
| 2027 | 1.014.825 | 332,370 | 33,601 | 463,387 | 644 | 1,844,826 | 2,090 | 3.4 | 1,911,922 | 967.782 | 2,879,349 | 2.2 |
| 2028 | $1.036,228$ | 341,167 | 34,107 | 477,327 | 644 | 1,889,473 | 2,090 | 3.3 | 1,956,114 | 966,171 | 2,923,373 | 2.2 |
| 2029 | 1.056,133 | 349,971 | 34,614 | 491,295 | 644 | 1.932.657 | 2,090 | 3.3 | 2,000,772 | 965,789 | 2,967,158 | 2.2 |
| 2030 | 1.079,339 | 358,777 | 35,120 | 505,278 | 644 | 1,979,158 | 2,090 | 3.3 | 2.048,860 | 967.464 | 3,016,441 | 2.2 |

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Including Gallatin

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Table 1-1 (continued)
Owen Electric 2010 Load Forecast Peaks Summary
Excluding Gallatin

| Winter |  | Summer |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | Noncoincident Peak Demand (MW) | Year | Noncoincident Peak Demand (MW) | Year | Purchased Power (MWh) | Load Factor <br> (\%) |
| 1989-90 | 121.3 | 1990 | 87.9 | 1990 | 418,457 | 39.4\% |
| 1990-91 | 105.6 | 1991 | 95.3 | 1991 | 458.941 | 49.6\% |
| 1991-92 | 116.5 | 1992 | 93.6 | 1992 | 458,929 | 44.8\% |
| 1992-93 | 122.5 | 1993 | 109.8 | 1993 | 508,188 | 47.4\% |
| 1993-94 | 148.5 | 1994 | 110.1 | 1994 | 530,926 | 40.8\% |
| 1994-95 | 152.3 | 1995 | 121.6 | 1995 | 579,477 | 43.4\% |
| 1995-96 | 133.2 | 1996 | 118.1 | 1996 | 623,394 | 53.3\% |
| 1996-97 | 158.7 | 1997 | 144.0 | 1997 | 633,151 | 45.6\% |
| 1997-98 | 140.0 | 1998 | 147.7 | 1998 | 673,649 | 52.1\% |
| 1998-99 | 164.3 | 1999 | 175.6 | 1999 | 725,484 | 47.2\% |
| 1999-00 | 175.1 | 2000 | 169.6 | 2000 | 791,195 | 51.5\% |
| 2000-01 | 191.5 | 2001 | 193.4 | 2001 | 869,871 | 51.3\% |
| 2001-02 | 177.3 | 2002 | 203.6 | 2002 | 915,457 | 51.3\% |
| 2002-03 | 229.2 | 2003 | 224.7 | 2003 | 950,612 | 47.4\% |
| 2003-04 | 228.7 | 2004 | 231.2 | 2004 | 1,001,062 | 49.3\% |
| 2004-05 | 243.8 | 2005 | 273.5 | 2005 | 1,107,846 | 46.2\% |
| 2005-06 | 246.7 | 2006 | 277.7 | 2006 | 1,155,181 | 47.5\% |
| 2006-07 | 280.4 | 2007 | 265.2 | 2007 | 1,235,503 | 50.3\% |
| 2007-08 | 287.5 | 2008 | 270.5 | 2008 | 1,243,317 | 49.2\% |
| 2008-09 | 304.1 | 2009 | 269.2 | 2009 | 1,189,079 | 44.6\% |
| 2009-10 | 267.6 | 2010 | 273.5 | 2010 | 1,235,584 | 51.6\% |
| 2010-11 | 305.0 | 2011 | 278.0 | 2011 | 1,257,870 | 47.1\% |
| 2011-12 | 315.7 | 2012 | 288.0 | 2012 | 1,311,194 | 47.3\% |
| 2012-13 | 322.5 | 2013 | 294.2 | 2013 | 1,335,914 | 47.3\% |
| 2013-14 | 330.7 | 2014 | 301.1 | 2014 | 1,369,320 | 47.3\% |
| 2014-15 | 338.9 | 2015 | 308.2 | 2015 | 1,403,124 | 47.3\% |
| 2015-16 | 346.6 | 2016 | 314.8 | 2016 | 1,438,424 | 47.3\% |
| 2016-17 | 356.8 | 2017 | 323.7 | 2017 | 1,476,534 | 47.2\% |
| 2017-18 | 366.3 | 2018 | 332.0 | 2018 | 1,515,870 | 47.2\% |
| 2018-19 | 376.1 | 2019 | 340.4 | 2019 | 1,555,716 | 47.2\% |
| 2019-20 | 384.9 | 2020 | 348.0 | 2020 | 1,596,451 | 47.2\% |
| 2020-21 | 396.3 | 2021 | 357.9 | 2021 | 1,638,706 | 47.2\% |
| 2021-22 | 406.7 | 2022 | 366.9 | 2022 | 1,681,433 | 47.2\% |
| 2022-23 | 418.0 | 2023 | 376.7 | 2023 | 1,727,744 | 47.2\% |
| 2023-24 | 428.1 | 2024 | 385.4 | 2024 | 1,774,543 | 47.2\% |
| 2024-25 | 439.9 | 2025 | 395.8 | 2025 | 1,818.217 | 47.2\% |
| 2025-26 | 451.2 | 2026 | 405.7 | 2026 | 1,865,352 | 47.2\% |
| 2026-27 | 462.3 | 2027 | 415.6 | 2027 | 1,911,922 | 47.2\% |
| 2027-28 | 471.5 | 2028 | 423.8 | 2028 | 1,956.114 | 47.2\% |
| 2028-29 | 483.4 | 2029 | 434.5 | 2029 | 2,000,772 | 47.3\% |
| 2029-30 | 494.9 | 2030 | 444.6 | 2030 | 2,048,860 | 47.3\% |

Table 1-1 (continued)
Owen Electric 2010 Load Forecast Peaks Summary

| Winter |  | Summer |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Season | Noncoincident Peak Demand (MW) | Year | Noncoincident Peak Demand (MW) | Year | Purchased Power (MWh) | Load Factor (\%) |
| 1989-90 | 121.3 | 1990 | 87.9 | 1990 | 418,457 | 39.4\% |
| 1990-91 | 105.6 | 1991 | 95.3 | 1991 | 458,941 | 49.6\% |
| 1991-92 | 116.5 | 1992 | 93.6 | 1992 | 458,929 | 45.0\% |
| 1992-93 | 122.5 | 1993 | 109.8 | 1993 | 508,188 | 47.4\% |
| 1993-94 | 148.5 | 1994 | 110.1 | 1994 | 530,926 | 40.8\% |
| 1994-95 | 152.3 | 1995 | 231.0 | 1995 | 874.312 | 43.2\% |
| 1995-96 | 254.9 | 1996 | 232.7 | 1996 | 1,264,151 | 56.6\% |
| 1996-97 | 278.6 | 1997 | 265.0 | 1997 | 1,388,430 | 56.9\% |
| 1997-98 | 266.0 | 1998 | 274.1 | 1998 | 1,369,699 | 57.0\% |
| 1998-99 | 285.1 | 1999 | 296.4 | 1999 | 1,627,169 | 62.7\% |
| 1999-00 | 301.0 | 2000 | 295.5 | 2000 | 1,697,367 | 64.4\% |
| 2000-01 | 322.5 | 2001 | 324.3 | 2001 | 1,862,308 | 65.6\% |
| 2001-02 | 308.3 | 2002 | 338.6 | 2002 | 1,920,948 | 64.8\% |
| 2002-03 | 364.2 | 2003 | 359.7 | 2003 | 1.958,288 | 61.4\% |
| 2003-04 | 363.6 | 2004 | 371.1 | 2004 | 2,048,528 | 63.0\% |
| 2004-05 | 389.9 | 2005 | 432.9 | 2005 | 2.100,670 | 55.4\% |
| 2005-06 | 406.4 | 2006 | 442.4 | 2006 | 2,134,120 | 55.1\% |
| 2006-07 | 440.5 | 2007 | 425.2 | 2007 | 2,222,021 | 57.6\% |
| 2007-08 | 447.5 | 2008 | 430.5 | 2008 | 2.199,649 | 56.1\% |
| 2008-09 | 464.1 | 2009 | 429.2 | 2009 | 2,053,585 | 50.5\% |
| 2009-10 | 427.6 | 2010 | 433.5 | 2010 | 2,206,361 | 58.1\% |
| 2010-11 | 465.0 | 2011 | 438.0 | 2011 | 2,228,081 | 54.7\% |
| 2011-12 | 475.7 | 2012 | 448.0 | 2012 | 2,278,631 | 54.7\% |
| 2012-13 | 482.5 | 2013 | 454.2 | 2013 | 2,303,911 | 54.5\% |
| 2013-14 | 490.7 | 2014 | 461.1 | 2014 | 2,338,249 | 54.4\% |
| 2014-15 | 498.9 | 2015 | 468.2 | 2015 | 2,371,456 | 54.3\% |
| 2015-16 | 506.6 | 2016 | 474.8 | 2016 | 2,408,122 | 54.3\% |
| 2016-17 | 516.8 | 2017 | 483.7 | 2017 | 2,443,561 | 54.0\% |
| 2017-18 | 526.3 | 2018 | 492.0 | 2018 | 2,482,037 | 53.8\% |
| 2018-19 | 536.1 | 2019 | 500.4 | 2019 | 2,522.767 | 53.7\% |
| 2019-20 | 544.9 | 2020 | 508.0 | 2020 | 2.565,010 | 53.7\% |
| 2020-21 | 556.3 | 2021 | 517.9 | 2021 | 2,606,493 | 53.5\% |
| 2021-22 | 566.7 | 2022 | 526.9 | 2022 | 2,650,177 | 53.4\% |
| 2022-23 | 578.0 | 2023 | 536.7 | 2023 | 2.694,041 | 53.2\% |
| 2023-24 | 588.1 | 2024 | 545.4 | 2024 | 2,740,130 | 53.2\% |
| 2024-25 | 599.9 | 2025 | 555.8 | 2025 | 2,784,712 | 53.0\% |
| 2025-26 | 611.2 | 2026 | 565.7 | 2026 | 2,833,004 | 52.9\% |
| 2026-27 | 622.3 | 2027 | 575.6 | 2027 | 2.879,349 | 52.8\% |
| 2027-28 | 631.5 | 2028 | 583.8 | 2028 | 2,923,373 | 52.8\% |
| 2028-29 | 643.4 | 2029 | 594.5 | 2029 | 2,967,158 | 52.6\% |
| 2029-30 | 654.9 | 2030 | 604.6 | 2030 | 3,016,441 | 52.6\% |

## Executive Summary (cortineed) Overall Results

Percent Growth Per Year 2010-2030

|  | With Gallatin | Without Gallatin |
| :---: | :---: | :---: |
| Total Annual Sales | $1.6 \%$ | $2.6 \%$ |
| Winter Peak Demand | $1.7 \%$ | $2.4 \%$ |
| Summer Peak Demand | $1.7 \%$ | $2.5 \%$ |

Load factor will remain steady at 47\% for the forecast period excluding Gallatin. See Figure 1-3. Load factor including Gallatin will remain steady at $54 \%$ for the forecast period.

## Figure 1-2

## Peak Demand Forecast Winter and Summer

Owen Electric - Normal Peaks
Excludes Gallatin


## Figure 1-3

Annual System Load Factor

## Excludes Gallatin



## Narrative

Owen Electric Cooperative headquarters are located in Owenton, Kentucky. Owen Electric serves over 57,000 members over approximately 4,400 miles of electric line. Owen serves regions in Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton, and Scott Counties.

## Narrative (contineed) <br> Counties Served

Owen Electric provides service to members in 9 counties.
Figure 1-4


## Narrative ${ }_{\text {(continued) }}$

## Owen Electric Members Demographic Information

There is an average of 2.72 people per household.
$49 \%$ of all homes are headed by someone age 55 or greater.
$13 \%$ of homes have farm operations, with beef cattle being most prevalent.
$31 \%$ of all homes served are less than 10 years old.

## Key Assumptions <br> Power Cost and Rates

- EKPC's wholesale power cost forecast used in this load forecast comes from the following report: "Twenty-Year Financial Forecast and Equity Development Plan, 2010-2029", revised May 11, 2010.
- Average residential retail rates will change from 9.942 cents/kWh in 2009 to 21.302 cents/kWh in 2030.

Key Assumptions (continued) Northern Economic Region History and Forecast

|  | Population |  | Households |  | Total Employment |  | Unemployment Rate |  | Regional Total Income |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | (\%) |  | (\%) |  | (\%) |
|  |  | Change |  | Change |  |  |  |  |  |  |
| 1990 | 346,742 |  | 126,781 |  | 125,272 |  | 4.2\% |  | \$9,167 |  |
| 1991 | 351,976 | 1.5\% | 129,687 | 2.3\% | 126,775 | 1.2\% | 5.8\% | 38.6\% | \$9,552 | 4.2\% |
| 1992 | 357,590 | 1.6\% | 132,664 | 2.3\% | 130,709 | 3.1\% | 6.3\% | 9.5\% | \$9,921 | 3.9\% |
| 1993 | 363,207 | 1.6\% | 134,841 | 1.6\% | 135,367 | 3.6\% | 4.9\% | -21.8\% | \$10,152 | 2.3\% |
| 1994 | 368,629 | 1.5\% | 137,448 | 1.9\% | 143,822 | 6.2\% | 4.6\% | -6.4\% | \$10,530 | 3.7\% |
| 1995 | 374,007 | 1.5\% | 140,973 | 2.6\% | 147,542 | 2.6\% | 4.3\% | -6.2\% | \$10,775 | 2.3\% |
| 1996 | 379,924 | 1.6\% | 144,201 | 2.3\% | 155,557 | 5.4\% | 4.4\% | 0.9\% | \$11,343 | 5.3\% |
| 1997 | 386,372 | 1.7\% | 147,044 | 2.0\% | 160,532 | 3.2\% | 3.3\% | -23.9\% | \$11,943 | 5.3\% |
| 1998 | 392,354 | 1.5\% | 149,623 | 1.8\% | 167,605 | 4.4\% | 3.3\% | -1.5\% | \$12,659 | 6.0\% |
| 1999 | 398,369 | 1.5\% | 152.170 | 1.7\% | 174,797 | 4.3\% | 3.4\% | 2.8\% | \$13,160 | 4.0\% |
| 2000 | 403,466 | 1.3\% | 154,230 | 1.4\% | 177,459 | 1.5\% | 3.4\% | 2.4\% | \$13,721 | 4.3\% |
| 2001 | 407,282 | 0.9\% | 156,176 | 1.3\% | 177, 228 | -0.1\% | 4.7\% | 36.5\% | \$13,707 | -0.1\% |
| 2002 | 410,965 | 0.9\% | 158,047 | 1.2\% | 180,662 | 1.9\% | 4.5\% | -4.9\% | \$13,983 | 2.0\% |
| 2003 | 415,370 | 1.1\% | 160,069 | 1.3\% | 182,913 | 1.2\% | 5.1\% | 13.4\% | \$14,230 | 1.8\% |
| 2004 | 420,571 | 1.3\% | 162,280 | 1.4\% | 186,964 | 2.2\% | 4.5\% | -10.9\% | \$14,658 | 3.0\% |
| 2005 | 426,062 | 1.3\% | 163,861 | 1.0\% | 190,713 | 2.0\% | 5.5\% | 21.5\% | \$14,676 | 0.1\% |
| 2006 | 431,444 | 1.3\% | 164,905 | 0.6\% | 191,949 | 0.6\% | 4.9\% | -11.0\% | \$15,290 | 4.2\% |
| 2007 | 436,650 | 1.2\% | 166,135 | 0.7\% | 196,553 | 2.4\% | 5.1\% | 3.6\% | \$15,377 | 0.6\% |
| 2008 | 441,634 | 1.1\% | 167,622 | 0.9\% | 194,309 | -1.1\% | 7.1\% | 39.7\% | \$15.494 | 0.8\% |
| 2009 | 446,993 | 1.2\% | 169,672 | 1.2\% | 185,905 | -4.3\% | 10.9\% | 54.1\% | \$14,699 | -5.1\% |
| 2010 | 452,588 | 1.3\% | 173,425 | 2.2\% | 188,294 | 1.3\% | 10.6\% | -3.2\% | \$14,869 | 1.2\% |
| 2011 | 458,229 | 1.2\% | 176,563 | 1.8\% | 194,169 | 3.1\% | 9.3\% | -11.9\% | \$15,088 | 1.5\% |
| 2012 | 463,514 | 1.2\% | 178,825 | 1.3\% | 200,735 | 3.4\% | 8.3\% | -10.4\% | \$15,672 | 3.9\% |
| 2013 | 468,675 | 1.1\% | 181,722 | 1.6\% | 205:879 | 2.6\% | 7.8\% | -6.2\% | \$16,228 | 3.5\% |
| 2014 | 473,632 | 1.1\% | 183,813 | 1.2\% | 210,309 | 2.2\% | 7.4\% | -5.6\% | \$16.861 | 3.9\% |
| 2019 | 497,513 | 0.8\% | 197,626 | 1.0\% | 229,445 | 1.3\% | 5.0\% | -5.4\% | \| \$19,784 | 2.3\% |
| 2029 | 545,803 | 0.9\% | 221,088 | 1.1\% | 269,462 | 1.6\% | 4.9\% | -0.2\% | \$26,732 | 3.1\% |

EKPC's source for economic forecasts is Global Insight. Regional Income is reported in millions of 2009 dollars.
Growth rates are average annual changes.

## Key Assumptions (contineed) Share of Regional Homes Served

Owen Electric's market share will increase for the forecast period.
Figure 1-5


# Key Assumptions (continued) <br> Household Income <br> Members' Greatest Sources 

Figure 1-6


## Key Assumptions (continued) Appliance Saturations

- Electric heat saturation will increase from 36 percent to approximately 40 percent.
- Central air conditioning will continue its penetration into the service area with approximately 92 percent of all residences having central air by 2030.
- Room air conditioner saturation is declining due to customers choosing central air conditioning systems.
- Electric water heater saturation will decline to approximately 60 percent.
- Appliance efficiency trends are accounted for in the model. The data is collected from Energy Information Administration (EIA). See Figure 1-7.
- 79 percent of homes report having at least 1 Compact Fluorescent Light.


# Key Assumptions (continued) 

Saturation Rates
Non HVAC Appliances

- Electric Range 95\%
- Dishwasher

77\%

- Freezer

54\%

- Clothes Dryer 98\%
- Personal Computer $78 \%$


## Key Assumptions ${ }_{\text {(namimad }}$

Figure 1-7
Residential Appliance Efficiency Trends
East South Central Region


Source: Energy Information Administration (EIA) Efficiency Trend Update, 2009

## Key Assumptions (continued) Weather

- Weather data is from the Covington weather station.
- Normal weather, a 30-year average of historical hourly temperatures, is assumed for the forecast years.


## Methodology and Results Introduction

This section briefly describes the methodology used to develop the load forecast and presents results in tabular and graphical form for residential and commercial classifications. Table 1-3 through Table 1-5 shows historical data for Owen Electric as reported on RUS Form 736 and RUS Form 5.

A preliminary forecast is prepared during the first quarter depending on when Owen Electric experiences its winter peak. The first step is modeling the regional economy. Population, income, and employment are among the areas analyzed. The regional model results are used in combination with the historical billing information, appliance saturation data, appliance efficiency data, and weather data to develop the long range forecast

Table 1-3
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Including Gallatin

| Owen Electric Comparative Annual Operating Data |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | kWh Purchased And Generated | Change | kWh Sold | Change | kWh Loss | \% Loss | Billing Peak Demand | Average <br> Number Of Consumers | Miles Of Line | Consumers Per Mile | Cost Of <br> Purchased Power | $\begin{gathered} \text { Cents } \\ 1 \mathrm{kWh} \end{gathered}$ |
| 1995 | 874,312,027 |  | 847,342,649 |  | 25,913,235 | 3.0\% | 221.4 | 35,211 | 4,130 | 8.5 | \$29,665,439 | 3.4 |
| 1996 | 1,264,150,637 | 44.6\% | 1,230,821,751 | 45.3\% | 32,255,254 | 2.6\% | 270.0 | 36,529 | 4,200 | 8.7 | \$37,464,023 | 3.0 |
| 1997 | 1,388,429,731 | 9.8\% | 1,360,714,324 | 10.6\% | 26,714,795 | 1.9\% | 262.1 | 38,556 | 4,296 | 9.0 | \$40,692,945 | 2.9 |
| 1998 | 1,369.699.421 | -1.3\% | 1,330,777,376 | -2.2\% | 37,974,892 | 2.8\% | 268.0 | 40.439 | 4,372 | 9.2 | \$41,010,947 | 3.0 |
| 1999 | 1,627,169,307 | 18.8\% | 1.592,622.090 | 19.7\% | $33,548,545$ | 2.1\% | 288.3 | 42,174 | 4.445 | 9.5 | \$48,128,495 | 3.0 |
| 2000 | 1,697:366,577 | 4.3\% | 1,671,168,087 | 4.9\% | 25,111,859 | 1.5\% | 296.3 | 43.880 | 4.544 | 9.7 | \$55,268,343 | 3.3 |
| 2001 | 1,862,308,397 | 9.7\% | 1,805,755,763 | 8.1\% | 55,535,786 | 3.0\% | 312.6 | 45.691 | 4.618 | 9.9 | \$63,076,154 | 3.4 |
| 2002 | 1,920,948,184 | 3.1\% | 1.883,985,919 | 4.3\% | 35,920,987 | 1.9\% | 328.4 | 47,741 | 4,690 | 10.2 | \$64,790,614 | 3.4 |
| 2003 | 1,958,287,793 | 1.9\% | 1,911,737.016 | 1.5\% | 45,348,695 | 2.3\% | 340.6 | 49,940 | 4,771 | 10.5 | \$72,451,538 | 3.7 |
| 2004 | 2,048,527,629 | 4.6\% | 2,008,544,392 | 5.1\% | 38,084,041 | 1.9\% | 342.7 | 51.811 | 4,836 | 10.7 | \$85,026,798 | 4.2 |
| 2005 | 2.100,670,151 | 2.5\% | 2,052,510,159 | 2.2\% | 46,271,471 | 2.2\% | 395.4 | 53,598 | 4.940 | 10.8 | \$99,819,927 | 4.8 |
| 2006 | 2.134,119,750 | 1.6\% | 2,076,641,776 | 1.2\% | 55,619,200 | 2.6\% | 412.3 | 55.141 | 4.400 | 12.5 | \$102,910,227 | 4.8 |
| 2007 | 2,222,021,434 | 4.1\% | 2,167,799,044 | 4.4\% | 52,178,381 | 2.3\% | 416.8 | 56,290 | 4.428 | 12.7 | \$115,800.725 | 5.2 |
| 2008 | 2,199,648,833 | -1.0\% | 2,146,727,475 | -1.0\% | 50,790,795 | 2.3\% | 436.6 | 56,794 | 4.451 | 12.8 | \$121,334,659 | 5.5 |
| 2009 | 2.053,585.292 | -6.6\% | 2,005,380,649 | -6.6\% | 46,109,691 | 2.2\% | 413.6 | 57,223 | 4,486 | 12.8 | \$110,001,447 | 5.4 |
| Ave | rage |  |  |  |  | 2.3\% |  |  |  |  |  | 4.1 |

Table 1-3
Excluding Gallatin

## Owen Electric Comparative Annual Operating Data

| Year | kWh Purchased <br> And Generated | Change | kWh Sold | Change | kWh Loss | \% Loss | Billing <br> Peak <br> Demand | Cost Of <br> Purchased Power | Cents <br> kWh |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1995 | $579,477,027$ |  | $552,507,649$ |  | $25,913,235$ | $4.5 \%$ | 152.3 | $\$ 21,724,773$ | 3.7 |  |
| 1996 | $623,394,249$ | $7.6 \%$ | $590,065,363$ | $6.8 \%$ | $32,255,254$ | $5.2 \%$ | 133.2 | $\$ 19,806,024$ | 3.2 |  |
| 1997 | $633,150,928$ | $1.6 \%$ | $605,435,521$ | $2.6 \%$ | $26,714,795$ | $4.2 \%$ | 158.7 | $\$ 20,380,581$ | 3.2 |  |
| 1998 | $673,648,607$ | $6.4 \%$ | $634,726,562$ | $4.8 \%$ | $37,974,892$ | $5.6 \%$ | 140.0 | $\$ 21,396,104$ | 3.2 |  |
| 1999 | $725,483,811$ | $7.7 \%$ | $690,936,594$ | $8.9 \%$ | $33,548,545$ | $4.6 \%$ | 164.3 | $\$ 24,272,221$ | 3.3 |  |
| 2000 | $791,195,280$ | $9.1 \%$ | $764,996,790$ | $10.7 \%$ | $25,111,859$ | $3.2 \%$ | 175.1 | $\$ 26,813,792$ | 3.4 |  |
| 2001 | $869,870,885$ | $9.9 \%$ | $813,318,251$ | $6.3 \%$ | $55,535,786$ | $6.4 \%$ | 191.5 | $\$ 31,664,192$ | 3.6 |  |
| 2002 | $915,456,744$ | $5.2 \%$ | $878,494,479$ | $8.0 \%$ | $35,920,987$ | $3.9 \%$ | 177.3 | $\$ 33,554,011$ | 3.7 |  |
| 2003 | $950,612,176$ | $3.8 \%$ | $904,061,399$ | $2.9 \%$ | $45,348,695$ | $4.8 \%$ | 229.2 | $\$ 35,853,342$ | 3.8 |  |
| 2004 | $1,001,061,799$ | $5.3 \%$ | $961,078,562$ | $6.3 \%$ | $38,084,041$ | $3.8 \%$ | 228.7 | $\$ 41,578,800$ | 4.2 |  |
| 2005 | $1,107,846,309$ | $10.7 \%$ | $1,059,686,317$ | $10.3 \%$ | $46,271,471$ | $4.2 \%$ | 243.8 | $\$ 54,639,607$ | 4.9 |  |
| 2006 | $1,155,180,858$ | $4.3 \%$ | $1,097,702,884$ | $3.6 \%$ | $55,619,200$ | $4.8 \%$ | 246.7 | $\$ 62,235,179$ | 5.4 |  |
| 2007 | $1,235,502,993$ | $7.0 \%$ | $1,181,280,603$ | $7.6 \%$ | $52,178,381$ | $4.2 \%$ | 280.4 | $\$ 71,442,867$ | 5.8 |  |
| 2008 | $1,243,317,295$ | $0.6 \%$ | $1,190,395,937$ | $0.8 \%$ | $50,790,795$ | $4.1 \%$ | 281.4 | $\$ 75,668,724$ | 6.1 |  |
| 2009 | $1,189,079,145$ | $-4.4 \%$ | $1,140,874,502$ | $-4.2 \%$ | $46,109,691$ | $3.9 \%$ | 282.4 | $\$ 73,897,836$ | 6.2 |  |
| Average |  |  |  |  |  |  | $4.4 \%$ |  |  | 4 |

Table 1-4
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Including Gallatin

| Owen Electric Comparative Annual Operating Data |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Residential |  | Residential Seasonal |  | Commercial / <br> Industrial (1 MW Or Less) |  | Commercial / Industrial (Over 1 MW) |  | Public Street / Highway Lighting |  | Public Authorities |  |
| Year | kWh Sales | $\begin{gathered} \hline \% \\ \text { Change } \\ \hline \end{gathered}$ | kWh <br> Sales | $\begin{gathered} \hline \% \\ \text { Change } \\ \hline \end{gathered}$ | kWh Sales | \% Change | kWh Sales | \% Change | kWh Sales | \% Change | kWh Sales | \% Change |
| 1995 | 429,960,127 |  | 0 |  | 93,085,177 |  | 324,145,388 |  | 151,957 |  | 0 |  |
| 1996 | 452,162,183 | 5.2\% | 0 |  | 92,936,699 | -0.2\% | 676,359,799 | 108.7\% | 148,010 | -2.6\% | 9,215,060 |  |
| 1997 | 459,953,451 | 1.7\% | 0 |  | 102,511,730 | 10.3\% | 789,114,202 | 16.7\% | 149.912 | 1.3\% | 8,985,029 | -2.5\% |
| 1998 | 479,197,336 | 4.2\% | 0 |  | 113,645,143 | 10.9\% | 728,359,514 | -7.7\% | 140,190 | -6.5\% | 9,435,193 | 5.0\% |
| 1999 | 512,391,708 | 6.9\% | 0 |  | 125,680,412 | 10.6\% | 944,924,650 | 29.7\% | 153,438 | 9.5\% | 9,471,882 | 0.4\% |
| 2000 | 538,817,463 | 5.2\% | 0 |  | 140,359,442 | 11.7\% | 982,010,619 | 3.9\% | 350,636 | 128.5\% | 9,629,927 | 1.7\% |
| 2001 | 563,942,641 | 4.7\% | 0 |  | 141,591,470 | 0.9\% | 1,089,934,508 | 11.0\% | 412,556 | 17.7\% | 9,874,588 | 2.5\% |
| 2002 | 615,131,733 | 9.1\% | 0 |  | 138,298,048 | -2.3\% | 1,118,994,429 | 2.7\% | 559,418 | 35.6\% | 11,002,291 | 11.4\% |
| 2003 | 621,330,747 | 1.0\% | 0 |  | 150,926,754 | 9.1\% | 1,126,931,163 | 0.7\% | 664,915 | 18.9\% | 11,883,437 | 8.0\% |
| 2004 | 652,705,506 | 5.0\% | 0 |  | 161,106,275 | 6.7\% | 1,181,741,263 | 4.9\% | 570,391 | -14.2\% | 12,420,957 | 4.5\% |
| 2005 | 696.107.196 | 6.6\% | 0 |  | 178,068,306 | 10.5\% | 1,165,884,543 | -1.3\% | 522,176 | -8.5\% | 11,927,938 | -4.0\% |
| 2006 | 679,964,307 | -2.3\% | 0 |  | 207,408,159 | 16.5\% | 1,177,002,458 | 1.0\% | 681,403 | 30.5\% | 11,585,449 | $-2.9 \%$ |
| 2007 | 746,858,240 | 9.8\% | 0 |  | 226,685,405 | 9.3\% | 1,178,657,108 | 0.1\% | 588.969 | -13.6\% | 15,009,322 | 29.6\% |
| 2008 | 740,084,902 | -0.9\% | 0 |  | 214,939,442 | -5.2\% | 1,168,425,331 | -0.9\% | 646.375 | 9.7\% | 22,631,425 | 50.8\% |
| 2009 | 718,200,933 | -3.0\% | 0 |  | 200,851,144 | -6.6\% | 1,061,316,477 | -9.2\% | 644,160 | -0.3\% | 24,367,935 | 7.7\% |
| Average Annual Change |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 Year | -14,328,654 | -6.4\% |  |  | -12,917,131 | -7.9\% | -58,670,316 | -4.7\% | 27,596 | 6.6\% | 4,679,307 | -10.9\% |
| 5 Year | 13,099,085 | -1.6\% |  |  | 7,948,974 | -2.7\% | -24,084,957 | -2.8\% | 14,754 | 2.8\% | 2,389,396 | 0.6\% |
| 10 Year | 20,580,923 | -1.0\% |  |  | 7,517,073 | -1.7\% | 11,639,183 | -3.9\% | 49:072 | -1.0\% | 1,489,605 | 0.7\% |

Note: Reclassification in 2007 for Commercial/Industrial over 1 MW Class;

## Owen Electric Comparative Annual Operating Data

|  | Residential |  | Residential Seasonal |  | Commercial / <br> Industrial <br> (1 MW Or Less) |  | Commercial / <br> Industrial <br> (Over 1 MW) |  | Public Street / Highway Lighting |  | Public Authorities |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Consumers | $\begin{gathered} \mathrm{kwh} / \\ \mathrm{Mo.} \end{gathered}$ | Consumers | $\begin{gathered} \mathrm{kwh} / \\ \text { Mo. } \end{gathered}$ | Consumers | $\begin{gathered} \text { kwh/ } \\ \text { Mo. } \end{gathered}$ | Consumers | s kwh/Mo. | Consumers | $\begin{gathered} \text { kwh/ } \\ \text { Mo. } \end{gathered}$ | Consumers | kwh/ Mo. |
| 1995 | 34,180 | 1,048 | 0 |  | 1,007 | 7,703 | 6 | 4,502,019 | 18 | 704 | 0 |  |
| 1996 | 35,416 | 1,064 | 0 |  | 1,087 | 7,125 | 8 | 7,045,415 | 18 | 685 | 0 |  |
| 1997 | 37,159 | 1,031 | 0 |  | 1,165 | 7,333 | 10 | 6,575,952 | 18 | 694 | 204 | 3,670 |
| 1998 | 38,931 | 1,026 | 0 |  | 1,264 | 7,492 |  | 5,058,052 | 19 | 615 | 213 | 3,691 |
| 1999 | 40,550 | 1,053 | 0 |  | 1,373 | 7.628 | 18 | 4,374,651 | 20 | 639 | 213 | 3,706 |
| 2000 | 42,113 | 1,066 | 0 |  | 1,510 | 7,746 | 21 | 3,896,868 | 19 | 1,538 | 217 | 3,698 |
| 2001 | 43,799 | 1,073 | 0 |  | 1,625 | 7,261 | 24 | 3,784,495 | 19 | 1,809 | 224 | 3,674 |
| 2002 | 45,779 | 1,120 | 0 |  | 1,690 | 6,819 | 22 | 4,238,615 | 20 | 2,331 | 230 | 3,986 |
| 2003 | 47,906 | 1,081 | 0 |  | 1,753 | 7,175 | 29 | 3,238,308 | 21 | 2,639 | 231 | 4,287 |
| 2004 | 49,741 | 1,094 | 0 |  | 1,791 | 7,496 | 31 | 3,176,724 | 21 | 2,263 | 227 | 4,560 |
| 2005 | 51,461 | 1,127 | 0 |  | 1,853 | 8,008 | 37 | 2,625,866 | 21 | 2,072 | 226 | 4,398 |
| 2006 | 52,935 | 1,070 | 0 |  | 1,930 | 8,955 | 27 | 3,632,724 | 19 | 2,989 | 230 | 4,198 |
| 2007 | 54,003 | 1,152 | 0 |  | 2,016 | 9,370 | 14 | 7,015,816 | 17 | 2,887 | 240 | 5,212 |
| 2008 | 54,427 | 1,133 | 0 |  | 2,086 | 8,587 | 17 | 5,727,575 | 16 | 3,367 | 248 | 7,605 |
| 2009 | 54,805 | 1,092 | 0 |  | 2,134 | 7,843 | 16 | 5,527,690 | 18 | 2,982 | 250 | 8,123 |
| 10 Year Avg | 1,426 | 4 |  |  | 76 | 22 | 0 | 115,304 | 0 | 234 | 3.7 | 441.7 |
| 5 Year Avg | 1,013 | 0 |  |  | 69 | 69 | -3 | 470,193 | -1 | 144 | 4.6 | 712.6 |
| 2 Year Avg | 401 | -30 |  |  | 59 | -763 | 1 | -744,063 | 1 | 48 | 5 | 1456 |
| Annual Changes In Owen Electric's Residential Class |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| Consumers | 1,772 | 1,619 | 1,563 | 1,686 | 1,980 | 2,127 | 1,835 | 1,720 | 1,474 | 1,068 | 424 | 378 |
| kWh/month | -6 | 27 | 13 | 7 | 47 | -39 | 13 | 34 | -57 | 82 | -19 | -41 |

Note: Reclassification in 2007 for Commercial/Industrial over 1 MW Class;

## Methodology and Results (continued)

The preliminary forecast was presented to Owen Electric staff, and reviewed by the Rural Utilities Services (RUS) Field Representative. Changes were made to the forecast as needed based on new information, such as new large loads or subdivisions. In some instances, other assumptions were changed based on insights from Owen Electric staff.

## Methodology and Results (corinees) Residential Forecast

Residential customers are analyzed by means of regression analysis with resulting coefficients used to prepare customer projections. Regressions for residential customers are typically a function of regional economic and demographic variables. Two variables that are very significant are the numbers of households by county in each member system's economic region and the percent of total households served by the member system. Table 1-6 and Figure 1-8 report Owen Electric's customer forecast.

The residential energy sales were projected using a statistically adjusted end-use (SAE) approach. This method of modeling incorporates end-use forecasts and can be used to allocate the monthly and annual forecasts into end-use components. This method, like end-use modeling, requires detailed information about appliance saturation, appliance use, appliance efficiencies, household characteristics, weather characteristics, and demographic and economic information. The SAE approach segments the average household use into heating, cooling, and water heating end-use components. This model accounts for appliance efficiency improvements. Table 1-6 reports Owen Electric's energy forecast.

Owern Electric
2010 Load Forecast
Residential Summary

Ftan 79
Dage 3044

|  | Customers |  |  | Use Per Customer |  |  | Class Sales |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual Average | Annual <br> Change | $\%$ <br> Change | Monthly Average (kWh) | Annual Change (kWh) | $\begin{gathered} \% \\ \text { Change } \\ \hline \end{gathered}$ | Total (MWl) | Annual Change <br> (MWh) | $\%$ <br> Change |
| 1990 | 27,499 |  |  | 947 |  |  | 312,603 |  |  |
| 1991 | 28,760 | 1,261 | 4.6 | 995 | 48 | 5.1 | 343,499 | 30.896 | 9.9 |
| 1992 | 30,006 | 1,246 | 4.3 | 951 | -44 | -4.4 | 342,536 | -962 | -0.3 |
| 1993 | 31,319 | 1,313 | 4.4 | 1,008 | 57 | 6.0 | 378,860 | 36,323 | 10.6 |
| 1994 | 32.670 | 1,351 | 4.3 | 1,019 | 11 | 1.0 | 399,328 | 20,468 | 5.4 |
| 1995 | 33,989 | 1,319 | 4.0 | 1,033 | 14 | 1.4 | 421,304 | 21,976 | 5.5 |
| 1996 | 35,416 | 1,427 | 4.2 | 1,064 | 31 | 3.0 | 452,162 | 30,858 | 7.3 |
| 1997 | 37,159 | 1.743 | 4.9 | 1,031 | -32 | -3.0 | 459.953 | 7,791 | 1.7 |
| 1998 | 38,931 | 1.772 | 4.8 | 1,026 | -6 | -0.6 | 479,197 | 19.244 | 4.2 |
| 1999 | 40,550 | 1,619 | 4.2 | 1,053 | 27 | 2.7 | 512,392 | 33,194 | 6.9 |
| 2000 | 42,113 | 1,563 | 3.9 | 1,066 | 13 | 1.3 | 538,817 | 26,426 | 5.2 |
| 2001 | 43,799 | 1,686 | 4.0 | 1,073 | 7 | 0.6 | 563,943 | 25,125 | 4.7 |
| 2002 | 45,779 | 1,980 | 4.5 | 1,120 | 47 | 4.4 | 615,132 | 51,189 | 9.1 |
| 2003 | 47,906 | 2,127 | 4.6 | 1,081 | -39 | -3.5 | 621,331 | 6,199 | 1.0 |
| 2004 | 49,741 | 1.835 | 3.8 | 1,094 | 13 | 1.2 | 652,706 | 31,375 | 5.0 |
| 2005 | 51,461 | 1,720 | 3.5 | 1,127 | 34 | 3.1 | 696,107 | 43,402 | 6.6 |
| 2006 | 52,935 | 1,474 | 2.9 | 1,070 | -57 | -5.0 | 679.964 | -16,143 | -2.3 |
| 2007 | 54,003 | 1,068 | 2.0 | 1,152 | 82 | 7.7 | 746,858 | 66,894 | 9.8 |
| 2008 | 54,427 | 424 | 0.8 | 1,133 | -19 | -1.7 | 740,085 | -6,773 | -0.9 |
| 2009 | 54,805 | 378 | 0.7 | 1.092 | -41 | -3.6 | 718.201 | -21,884 | -3.0 |
| 2010 | 55,299 | 494 | 0.9 | 1,108 | 16 | 1.5 | 735,354 | 17,153 | 2.4 |
| 2011 | 56,212 | 913 | 1.7 | 1,091 | -17 | -1.5 | 736,129 | 775 | 0.1 |
| 2012 | 57,302 | 1,090 | 1.9 | 1,078 | -13 | -1.2 | 741,123 | 4,994 | 0.7 |
| 2013 | 58,480 | 1,178 | 2.1 | 1,064 | -14 | -1.3 | 746,663 | 5.540 | 0.7 |
| 2014 | 59,695 | 1,215 | 2.1 | 1,062 | -2 | -0.2 | 760,875 | 14,212 | 1.9 |
| 2015 | 60,960 | 1,265 | 2.1 | 1.060 | -2 | -0.2 | 775,178 | 14,303 | 1.9 |
| 2016 | 62,244 | 1.284 | 2.1 | 1,060 | 1 | 0.1 | 792.060 | 16,882 | 2.2 |
| 2017 | 63.530 | 1,286 | 2.1 | 1,060 | 0 | 0.0 | 808.370 | 16.310 | 2.1 |
| 2018 | 64.823 | 1,293 | 2.0 | 1,062 | 1 | 0.1 | 825,758 | 17,388 | 2.2 |
| 2019 | 66.151 | 1.328 | 2.0 | 1.065 | 3 | 0.3 | 845,043 | 19,285 | 2.3 |
| 2020 | 67,534 | 1.383 | 2.1 | 1,065 | 1 | 0.1 | 863,358 | 18,315 | 2.2 |
| 2021 | 68.960 | 1,426 | 2.1 | 1,067 | I | 0.1 | 882,748 | 19,390 | 2.2 |
| 2022 | 70,433 | 1,473 | 2.1 | 1,069 | 3 | 0.3 | 903,883 | 21,135 | 2.4 |
| 2023 | 71,940 | 1,507 | 2.1 | 1,073 | 4 | 0.3 | 926,445 | 22.562 | 2.5 |
| 2024 | 73.465 | 1,525 | 2.1 | 1,077 | 4 | 0.3 | 949,186 | 22,740 | 2.5 |
| 2025 | 75,028 | 1.563 | 2.1 | 1,078 | 1 | 0.1 | 970,462 | 21,277 | 2.2 |
| 2026 | 76,615 | 1,587 | 2.1 | 1.080 | 2 | 0.2 | 993,002 | 22,540 | 2.3 |
| 2027 | 78.203 | 1,588 | 2.1 | 1.081 | 1 | 0.1 | $1,014,825$ | 21,823 | 2.2 |
| 2028 | 79,791 | 1,588 | 2.0 | 1,082 | 1 | 0.1 | 1,036,228 | 21,403 | 2.1 |
| 2029 | 81,378 | 1,587 | 2.0 | 1,082 | -1 | -0.i | 1,056,133 | 19,905 | 1.9 |
| 2030 | 82,966 | 1,588 | 2.0 | 1,084 | 3 | 0.2 | 1,079,339 | 23,206 | 2.2 |

Figure 1-8
Annual Change in Residential Customers


Item 79


## Methodology and Results (continued) Public Building Forecast

Public building sales are projected using two equations, a customer equation and an energy equation. Both are determined through regression analysis and utilize inputs relating to the economy, electric price, and the residential customer forecast. Projections are reported in Table 1-7.

|  | Customers |  |  | Use Per Customer |  |  | Class Sales |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual Average | Annual <br> Change | \% <br> Change | Monthly Average (kWh) | Annual <br> Change <br> (kWh) | \% <br> Change | Total (MWh) | Annual <br> Change <br> (MWh) | \% <br> Change |
| 1990 | 153 |  |  | 1,998 |  |  | 3,669 |  |  |
| 1991 | 157 | 4 | 2.6 | 2,185 | 186 | 9.3 | 4,116 | 447 | 12.2 |
| 1992 | 167 | 10 | 6.4 | 2,991 | 806 | 36.9 | 5.994 | 1.878 | 45.6 |
| 1993 | 178 | 11 | 6.6 | 3,502 | 511 | 17.1 | 7,480 | 1,486 | 24.8 |
| 1994 | 185 | 7 | 3.9 | 3,601 | 99 | 2.8 | 7,995 | 515 | 6.9 |
| 1995 | 193 | 8 | 4.3 | 3,738 | 136 | 3.8 | 8,656 | 661 | 8.3 |
| 1996 | 197 | 4 | 2.1 | 3,898 | 161 | 4.3 | 9,215 | 559 | 6.5 |
| 1997 | 204 | 7 | 3.6 | 3.670 | -228 | -5.8 | 8.985 | -230 | -2.5 |
| 1998 | 213 | 9 | 4.4 | 3,691 | 21 | 0.6 | 9,435 | 450 | 5.0 |
| 1999 | 213 | 0 | 0.0 | 3,706 | 14 | 0.4 | 9,472 | 37 | 0.4 |
| 2000 | 217 | 4 | 1.9 | 3.698 | -8 | -0.2 | 9,630 | 158 | 1.7 |
| 2001 | 224 | 7 | 3.2 | 3,674 | -25 | -0.7 | 9.875 | 245 | 2.5 |
| 2002 | 230 | 6 | 2.7 | 3.986 | 313 | 8.5 | 11,002 | 1,128 | 11.4 |
| 2003 | 231 | 1 | 0.4 | 4.287 | 301 | 7.5 | 11,883 | 881 | 8.0 |
| 2004 | 227 | -4 | -1.7 | 4,560 | 273 | 6.4 | 12,421 | 538 | 4.5 |
| 2005 | 226 | -1 | -0.4 | 4,398 | -162 | -3.5 | 11,928 | -493 | -4.0 |
| 2006 | 230 | 4 | 1.8 | 4,198 | -201 | -4.6 | 11,585 | -342 | -2.9 |
| 2007 | 240 | 10 | 4.3 | 5,212 | 1,014 | 24.2 | 15,009 | 3.424 | 29.6 |
| 2008 | 248 | 8 | 3.3 | 7,605 | 2,393 | 45.9 | 22,631 | 7,622 | 50.8 |
| 2009 | 250 | 2 | 0.8 | 8,123 | 518 | 6.8 | 24,368 | 1,737 | 7.7 |
| 2010 | 251 | i | 0.4 | 8,242 | 119 | 1.5 | 24,824 | 456 | 1.9 |
| 2011 | 254 | 3 | 1.2 | 8.365 | 123 | 1.5 | 25,497 | 673 | 2.7 |
| 2012 | 257 | 3 | 1.2 | 8.432 | 67 | 0.8 | 26,004 | 507 | 2.0 |
| 2013 | 261 | 4 | 1.6 | 8,465 | 32 | 0.4 | 26,511 | 506 | 1.9 |
| 2014 | 265 | 4 | 1.5 | 8,496 | 31 | 0.4 | 27,017 | 506 | 1.9 |
| 2015 | 268 | 3 | 1.1 | 8.558 | 62 | 0.7 | 27,524 | 506 | 1.9 |
| 2016 | 272 | 4 | 1.5 | 8,588 | 29 | 0.3 | 28,030 | 506 | 1.8 |
| 2017 | 276 | 4 | 1.5 | 8,616 | 28 | 0.3 | 28,537 | 506 | 1.8 |
| 2018 | 280 | 4 | 1.4 | 8,644 | 28 | 0.3 | 29,043 | 506 | 1.8 |
| 2019 | 284 | 4 | 1.4 | 8,671 | 27 | 0.3 | 29.549 | 506 | 1.7 |
| 2020 | 289 | 5 | 1.8 | 8,667 | -4 | 0.0 | 30,056 | 506 | 1.7 |
| 2021 | 293 | 4 | 1.4 | 8,692 | 26 | 0.3 | 30,562 | 506 | 1.7 |
| 2022 | 298 | 5 | 1.7 | 8,688 | -4 | 0.0 | 31,069 | 506 | 1.7 |
| 2023 | 302 | 4 | 1.3 | 8.713 | 25 | 0.3 | 31.575 | 506 | 1.6 |
| 2024 | 307 | 5 | 1.7 | 8,708 | -4 | -0.1 | 32,082 | 506 | 1.6 |
| 2025 | 312 | 5 | 1.6 | 8.704 | -4 | 0.0 | 32,588 | 506 | 1.6 |
| 2026 | 317 | 5 | 1.6 | 8.700 | -4 | 0.0 | 33,094 | 506 | 1.6 |
| 2027 | 321 | 4 | 1.3 | 8,723 | 23 | 0.3 | 33,601 | 506 | 1.5 |
| 2028 | 326 | 5 | 1.6 | 8,719 | -4 | 0.0 | 34,107 | 506 | 1.5 |
| 2029 | 331 | 5 | 1.5 | 8,714 | -4 | 0.0 | 34.614 | 506 | 1.5 |
| 2030 | 336 | 5 | 1.5 | 8,710 | -4 | 0.0 | 35,120 | 506 | 1.5 |

## Methodology and Results (contineed) Small Commercial Forecast

Small commercial sales are projected using two equations, a customer equation and a small commercial sales equation. Both are determined through regression analysis and utilize inputs relating to the economy, electric price, and the residential customer forecast. Small commercial projections are reported in Table 1-8.

Owen Electric
2010 Load Forecast Small Commercial Summary

Page 360\% 44

|  | Customers |  |  | Use Per Customer |  |  | Class Sales |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual <br> Average | Annual <br> Change | \% <br> Change | Annual <br> Average <br> (MWh) | Annual <br> Change <br> (MWh) | $\begin{gathered} \text { \% } \\ \text { Change } \end{gathered}$ | $\begin{gathered} \text { Total } \\ (\mathrm{MWh}) \end{gathered}$ | Annual Change (MWh) | $\begin{gathered} \% \\ \text { Change } \end{gathered}$ |
| 1990 | 654 |  |  | 71 |  |  | 46.235 |  |  |
| 1991 | 745 | 91 | 13.9 | 82 | 12 | 16.5 | 61,339 | 15,104 | 32.7 |
| 1992 | 820 | 75 | 10.1 | 75 | -7 | -8.6 | 61,727 | 389 | 0.6 |
| 1993 | 879 | 59 | 7.2 | 75 | 0 | -0.1 | 66,082 | 4,355 | 7.1 |
| 1994 | 939 | 60 | 6.8 | 77 | 2 | 2.5 | 72,341 | 6,259 | 9.5 |
| 1995 | 1.007 | 68 | 7.2 | 92 | 15 | 20.0 | 93.085 | 20,744 | 28.7 |
| 1996 | 1,087 | 80 | 7.9 | 85 | -7 | -7.5 | 92.937 | -148 | -0.2 |
| 1997 | 1,165 | 78 | 7.2 | 88 | 2 | 2.9 | 102.512 | 9,575 | 10.3 |
| 1998 | 1.264 | 99 | 8.5 | 90 | 2 | 2.2 | 113,645 | 11,133 | 10.9 |
| 1999 | 1,373 | 109 | 8.6 | 92 | 2 | 1.8 | 125,681 | 12,036 | 10.6 |
| 2000 | 1,510 | 137 | 10.0 | 93 | 1 | 1.5 | 140,359 | 14,678 | 11.7 |
| 2001 | 1,625 | 115 | 7.6 | 87 | -6 | -6.3 | 141.591 | 1,232 | 0.9 |
| 2002 | 1,690 | 65 | 4.0 | 82 | -5 | -6.1 | 138,298 | -3,293 | -2.3 |
| 2003 | 1,753 | 63 | 3.7 | 86 | 4 | 5.2 | 150,927 | 12,629 | 9.1 |
| 2004 | 1.791 | 38 | 2.2 | 90 | 4 | 4.5 | 161.106 | 10.180 | 6.7 |
| 2005 | 1,853 | 62 | 3.5 | 96 | 6 | 6.8 | 178.068 | 16,962 | 10.5 |
| 2006 | 1,930 | 77 | 4.2 | 107 | 11 | 11.8 | 207,408 | 29,340 | 16.5 |
| 2007 | 2,016 | 86 | 4.5 | 112 | 5 | 4.6 | 226,685 | 19.277 | 9.3 |
| 2008 | 2,086 | 70 | 3.5 | 103 | -9 | -8.4 | 214,939 | -11,746 | -5.2 |
| 2009 | 2,134 | 48 | 2.3 | 94 | -9 | -8.7 | 200,851 | -14,088 | -6.6 |
| 2010 | 2,175 | 41 | 1.9 | 96 | 2 | 1.6 | 208,010 | 7,158 | 3.6 |
| 2011 | 2,215 | 40 | 1.8 | 96 | 1 | 0.6 | 213,146 | 5,136 | 2.5 |
| 2012 | 2.264 | 49 | 2.2 | 97 | 0 | 0.4 | 218,708 | 5,562 | 2.6 |
| 2013 | 2,320 | 56 | 2.5 | 97 | 0 | 0.3 | 224,898 | 6,190 | 2.8 |
| 2014 | 2,381 | 61 | 2.6 | 97 | 0 | 0.3 | 231,414 | 6,515 | 2.9 |
| 2015 | 2,445 | 64 | 2.7 | 97 | 0 | 0.2 | 238,219 | 6,805 | 2.9 |
| 2016 | 2.510 | 65 | 2.7 | 98 | 0 | 0.3 | 245,227 | 7,008 | 2.9 |
| 2017 | 2,577 | 67 | 2.7 | 98 | 0 | 0.2 | 252,322 | 7.095 | 2.9 |
| 2018 | 2,644 | 67 | 2.6 | 98 | 0 | 0.2 | 259,459 | 7.137 | 2.8 |
| 2019 | 2,712 | 68 | 2.6 | 98 | 0 | 0.2 | 266,695 | 7.236 | 2.8 |
| 2020 | 2,782 | 70 | 2.6 | 99 | 0 | 0.2 | 274,155 | 7.460 | 2.8 |
| 2021 | 2,854 | 72 | 2.6 | 99 | 0 | 0.2 | 281,873 | 7,718 | 2.8 |
| 2022 | 2.929 | 75 | 2.6 | 99 | 0 | 0.2 | 289,834 | 7,961 | 2.8 |
| 2023 | 3,006 | 77 | 2.6 | 99 | 0 | 0.2 | 298.034 | 8,200 | 2.8 |
| 2024 | 3,084 | 78 | 2.6 | 99 | 0 | 0.2 | 306,389 | 8,356 | 2.8 |
| 2025 | 3,164 | 80 | 2.6 | 100 | 0 | 0.2 | 314,899 | 8.510 | 2.8 |
| 2026 | 3.246 | 82 | 2.6 | 100 | 0 | 0.2 | 323,596 | 8,697 | 2.8 |
| 2027 | 3,328 | 82 | 2.5 | 100 | 0 | 0.2 | 332,370 | 8.773 | 2.7 |
| 2028 | 3,410 | 82 | 2.5 | 100 | 0 | 0.2 | 341,167 | 8,797 | 2.6 |
| 2029 | 3,493 | 83 | 2.4 | 100 | 0 | 0.1 | 349,971 | 8,804 | 2.6 |
| 2030 | 3.576 | 83 | 2.4 | 100 | 0 | 0.1 | 358,777 | 8,807 | 2.5 |

## Methodology and Results (corinees) Large Commercial Forecast

Large commercial customers are those with loads 1 MW or greater. Owen Electric currently has 15 customers reported in this class and is projected to increase to 39 customers by 2030. Large commercial results are reported in Table 1-9.

Uwen Electric
2010 Load Forecast
Large Commercial Summary
Excluding Gallatin

|  | Customers |  |  | Use Per Customer |  |  | Class Sales |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Annual Average | Annual Change | $\begin{gathered} \% \\ \text { Change } \end{gathered}$ | Annual <br> Average <br> (MWh) | Annual <br> Change <br> (MWh) | $\begin{gathered} \% \\ \text { Change } \end{gathered}$ | Total $(\mathrm{MWh})$ | Annual <br> Change <br> (MWh) | $\begin{gathered} \% \\ \text { Change } \end{gathered}$ |
| 1990 | 2 |  |  | 10,061 |  |  | 20,123 |  |  |
| 1991 | 2 | 0 | 0.0 | 12,404 | 2,343 | 23.3 | 24,809 | 4,686 | 23.3 |
| 1992 | 2 | 0 | 0.0 | 12,096 | -308 | -2.5 | 24.192 | -617 | -2.5 |
| 1993 | 2 | 0 | 0.0 | 12,268 | 172 | 1.4 | 24.535 | 343 | 1.4 |
| 1994 | 4 | 2 | 100.0 | 6,301 | -5,967 | -48.6 | 25,204 | 669 | 2.7 |
| 1995 | 6 | 2 | 50.0 | 4.885 | -1,416 | -22.5 | 29,310 | 4,106 | 16.3 |
| 1996 | 8 | 2 | 33.3 | 4,450 | -435 | -8.9 | 35,603 | 6,293 | 21.5 |
| 1997 | 10 | 2 | 25.0 | 3.384 | -1.067 | -24.0 | 33.835 | -1,768 | -5.0 |
| 1998 | 12 | 2 | 20.0 | 2.692 | -691 | -20.4 | 32,309 | -1,527 | -4.5 |
| 1999 | 17 | 5 | 41.7 | 2.543 | -149 | -5.5 | 43.239 | 10,930 | 33.8 |
| 2000 | 20 | 3 | 17.6 | 3.792 | 1,248 | 49.1 | 75,839 | 32,600 | 75.4 |
| 2001 | 23 | 3 | 15.0 | 4.239 | 447 | 11.8 | 97,497 | 21.658 | 28.6 |
| 2002 | 21 | -2 | -8.7 | 5,405 | 1.166 | 27.5 | 113,503 | 16,006 | 16.4 |
| 2003 | 28 | 7 | 33.3 | 4,259 | -1.146 | -21.2 | 119.256 | 5,753 | 5.1 |
| 2004 | 30 | 2 | 7.1 | 4,623 | 364 | 8.5 | 138,685 | 19.430 | 16.3 |
| 2005 | 36 | 6 | 20.0 | 4.807 | 184 | 4.0 | 173,061 | 34,376 | 24.8 |
| 2006 | 26 | -10 | -27.8 | 7.618 | 2.811 | 58.5 | 198,064 | 25,003 | 14.4 |
| 2007 | 13 | -13 | -50.0 | 14,780 | 7,162 | 94.0 | 192.139 | -5,925 | -3.0 |
| 2008 | 16 | 3 | 23.1 | 13.256 | -1.524 | -10.3 | 212,094 | 19,955 | 10.4 |
| 2009 | 15 | -1 | -6.3 | 13,121 | -135 | -1.0 | 196,810 | -15,283 | -7.2 |
| 2010 | 19 | 4 | 26.7 | 11,408 | -1.713 | -13.1 | 216,749 | 19,938 | 10.1 |
| 2011 | 19 | 0 | 0.0 | 12,189 | 781 | 6.8 | 231,587 | 14.838 | 6.8 |
| 2012 | 21 | 2 | 10.5 | 12,928 | 739 | 6.1 | 271.488 | 39,901 | 17.2 |
| 2013 | 22 | 1 | 4.8 | 12.925 | -3 | 0.0 | 284,344 | 12.856 | 4.7 |
| 2014 | 23 | 1 | 4.5 | 12.837 | -88 | -0.7 | 295,246 | 10,902 | 3.8 |
| 2015 | 24 | 1 | 4.3 | 12,756 | -81 | -0.6 | 306,150 | 10,904 | 3.7 |
| 2016 | 25 | 1 | 4.2 | 12,686 | -70 | -0.6 | 317,152 | 11,001 | 3.6 |
| 2017 | 26 | 1 | 4.0 | 12,690 | 4 | 0.0 | 329,940 | 12.788 | 4.0 |
| 2018 | 27 | 1 | 3.8 | 12,696 | 6 | 0.0 | 342.789 | 12,849 | 3.9 |
| 2019 | 28 | 1 | 3.7 | 12.703 | 7 | 0.1 | 355,689 | 12,900 | 3.8 |
| 2020 | 29 | 1 | 3.6 | 12.713 | 10 | 0.1 | 368,677 | 12,988 | 3.7 |
| 2021 | 30 | 1 | 3.4 | 12,727 | 14 | 0.1 | 381,797 | 13,120 | 3.6 |
| 2022 | 31 | 1 | 3.3 | 12,744 | 17 | 0.1 | 395,063 | 13,267 | 3.5 |
| 2023 | 32 | 1 | 3.2 | 12,765 | 21 | 0.2 | 408,486 | 13,422 | 3.4 |
| 2024 | 33 | 1 | 3.1 | 12,789 | 24 | 0.2 | 422.044 | 13,559 | 3.3 |
| 2025 | 34 | $!$ | 3.0 | 12,815 | 26 | 0.2 | 435,715 | 13,671 | 3.2 |
| 2026 | 35 | 1 | 2.9 | 12,843 | 28 | 0.2 | 449.503 | 13.788 | 3.2 |
| 2027 | 36 | 1 | 2.9 | 12,872 | 29 | 0.2 | 463,387 | 13,884 | 3.1 |
| 2028 | 37 | 1 | 2.8 | 12,901 | 29 | 0.2 | 477,327 | 13,940 | 3.0 |
| 2029 | 38 | 1 | 2.7 | 12,929 | 28 | 0.2 | 491.295 | 13,969 | 2.9 |
| 2030 | 39 | 1 | 2.6 | 12,956 | 27 | 0.2 | 505,278 | 13,982 | 2.8 |

## Methodology and Results ${ }_{\text {continued }}$ <br> Public Street and Highway Lighting Forecast

Owen Electric serves street light accounts which are classified in the 'Public Street and Highway Lighting' category. This class is modeled separately. Results are reported in Table 1-10.

Public Street and Highway Lighting


Iteen 79
page 41, $y^{44}$

# Methodology and Results (contineed) Peak Day Weather Scenarios 

Extreme temperatures can dramatically influence Owen Electric's peak demands. Table 1-11 and Figure 1-9 reports the impact of extreme weather on system demands.
$7+\tan 79$
Table 1-11

Owen Electric
Peak Day Weather Scenarios
Excludes Gallatin

| Winter Peak Day Minimum Temperatures |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Mild | Normal | Extreme |  |  |
| Degrees | 10 | -6 | -15 | -21 | -30 |
| Probability | $99 \%$ | $50 \%$ | $20 \%$ | $10 \%$ | $3 \%$ |
| Occurs Once | Every | 2 Years | $\mathbf{5}$ Years | $\mathbf{1 0}$ Years | $\mathbf{3 0}$ Years |


| Noncoincident Winter Peak Demand - MW |  |  |  |
| :---: | :---: | :---: | :---: |
| Season | Mild | Normal | Extreme |


| $2010-11$ | 282 | 305 | 318 | 327 | 340 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $2011-12$ | 292 | 316 | 329 | 338 | 351 |
| $2012-13$ | 298 | 322 | 336 | 345 | 359 |
| $2013-14$ | 306 | 331 | 345 | 354 | 368 |
| $2014-15$ | 314 | 339 | 353 | 363 | 377 |
| $2015-16$ | 321 | 347 | 361 | 371 | 385 |
| $2016-17$ | 330 | 357 | 372 | 381 | 396 |
| $2017-18$ | 339 | 366 | 381 | 391 | 407 |
| $2018-19$ | 349 | 376 | 391 | 402 | 417 |
| $2019-20$ | 357 | 385 | 401 | 411 | 427 |
| $2020-21$ | 368 | 396 | 412 | 423 | 439 |
| $2021-22$ | 378 | 407 | 423 | 434 | 450 |
| $2022-23$ | 388 | 418 | 435 | 446 | 463 |
| $2023-24$ | 398 | 428 | 445 | 457 | 474 |
| $2024-25$ | 409 | 440 | 457 | 469 | 486 |
| $2025-26$ | 420 | 451 | 469 | 481 | 499 |
| $2026-27$ | 430 | 462 | 480 | 493 | 511 |
| $2027-28$ | 439 | 471 | 490 | 502 | 521 |
| $2028-29$ | 450 | 483 | 502 | 515 | 534 |
| $2029-30$ | 461 | 495 | 514 | 527 | 546 |



| 2010 | 273 | 281 | 288 | 296 |
| :--- | :--- | :--- | :--- | :--- |
| 2011 | 278 | 285 | 293 | 301 |
| 2012 | 288 | 296 | 303 | 311 |
| 2013 | 294 | 302 | 310 | 318 |
| 2014 | 301 | 309 | 317 | 325 |
| 2015 | 308 | 316 | 325 | 333 |
| 2016 | 315 | 323 | 331 | 340 |
| 2017 | 324 | 332 | 341 | 349 |
| 2018 | 332 | 341 | 349 | 358 |
| 2019 | 340 | 349 | 358 | 367 |
| 2020 | 348 | 357 | 366 | 375 |
| 2021 | 358 | 367 | 376 | 386 |
| 2022 | 367 | 376 | 386 | 395 |
| 2023 | 377 | 386 | 396 | 406 |
| 2024 | 385 | 395 | 405 | 415 |
| 206 | 406 | 416 | 426 |  |
| 2025 | 396 | 416 | 426 | 437 |
| 2026 | 406 | 426 | 437 | 447 |
| 2027 | 416 | 426 |  |  |
| 2028 | 424 | 434 | 445 | 456 |
| 2029 | 434 | 445 | 456 | 467 |
| 2030 | 445 | 456 | 467 | 478 |

Figure 1-9
Owen Electric - Normal Peaks And T\&D Planning Peaks
Excludes Gallatin



# Item No 80 <br> Page 1 of 1 <br> Witness: Rebecca Witt <br> OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

Question:

Please provide the transmission costs billed and paid by Owen in each month of the test year.

Response:
Owen's power bill from EKPC does not separately identify transmission costs.

# Item No 81 <br> Page 1 of 2 <br> Witness: Rebecca Witt <br> OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

Question:

Please provide for the Owen system in-total, the annual peak demand (MW) and annual energy purchases for each of the last 10 years.

## Response:

See attached.

## OWEN ELECTRIC COOPERATIVE CASE NO 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

YEAR ANNUAL PEAK TOTAL KWH PURCHASES

| 2000 | 296,339 | $1,697,366,577$ |
| :--- | :--- | :--- |
| 2001 | 312,646 | $1,862,308,397$ |
| 2002 | 328,401 | $1,920,948,184$ |
| 2003 | 340,553 | $1,958,287,793$ |
| 2004 | 342,721 | $2,048,527,629$ |
| 2005 | 395,358 | $2,100,670,151$ |
| 2006 | 412,255 | $2,134,119,750$ |
| 2007 | 416,839 | $2,222,021,434$ |
| 2008 | 436,627 | $2,199,648,833$ |
| 2009 | 413,640 | $2,053,585,292$ |
| 2010 | 418,015 | $2,224,298,492$ |

## Question:

Please provide a copy of all residential intraclass cost studies and/or analyses conducted by or for Owen.

## Response:

Owen is not aware of any such studies.

## Question:

For each rate schedule, please provide the following regarding test year monthly billings to customers:
(a) the number of bills for usage through meters read monthly by Owen;
(b) the number of bills for usage estimated monthly by Owen;
(c) the number of bills for usage through meters read monthly by customers;
(d) the number of bills for usage through meters retrieved telemetrically; and,
(e) the number of bills for usage tabulated other than by (a) through (d).

## Response:

See attached

Item No. 83
Page 2 of 3
Witness: Michael Cobb

| Schedule I-Farm \& Home (rate 1) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 4489 | 4504 | 4640 | 4358 | 3681 | 4065 | 2805 | 2445 | 2200 | 2128 | 1954 | 1816 |
| b. \# of bills estimated | 105 | 429 | 57 | 26 | 29 | 42 | 38 | 29 | 25 | 14 | 13 | 14 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 49130 | 48951 | 49243 | 49563 | 50367 | 49943 | 51418 | 51731 | 51966 | 52089 | 52397 | 52188 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 53724 | 53884 | 53940 | 53947 | 54077 | 54050 | 54261 | 54205 | 54191 | 54231 | 54364 | 54018 |


| Schedule I - Small Commercial (rate 3) |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 855 | 842 | 838 | 836 | 1158 | 1115 | 1140 | 1077 | 1072 | 1068 | 1069 | 464 |
| b. \# of bills estimated | 12 | 51 | 11 | 1 | 4 | 3 | 2 | 6 | 0 | 4 | 5 | 2 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 1428 | 1366 | 1401 | 1407 | 1087 | 1153 | 1159 | 1204 | 1242 | 1264 | 1240 | 1866 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 2295 | 2259 | 2250 | 2244 | 2249 | 2271 | 2301 | 2287 | 2314 | 2336 | 2314 | 2332 |


| Shedule II - Large Power (rate 4) |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 242 | 245 | 250 | 251 | 253 | 240 | 240 | 242 | 236 | 237 | 235 | 235 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 242 | 245 | 250 | 251 | 253 | 240 | 240 | 242 | 236 | 237 | 235 | 235 |


| Shedule II - Large Power (primary metered - rate 5) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | 8 |


| Schedule I \& III - Outdoor Lighting (rate 6) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | Nov | DEC |
| a. \# of bills read (manually) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other (monthly amount) | 590 | 589 | 584 | 582 | 581 | 580 | 584 | 579 | 589 | 566 | 566 | 564 |
| Total | 590 | 589 | 584 | 582 | 581 | 580 | 584 | 579 | 589 | 566 | 566 | 564 |


| Schedule 2A - Large Power TOD (rate 20) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | July | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |

Witness: Michael Cobb

| Schedule I- Farm \& Home (ETS - rate 10) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | July | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 8 | 8 |


| Schedule XI - Industrial (rate 9) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 |


| Schedule XIV - Industrial (rate12) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 3 | 1 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 3 | 3 | 1 |


| Schedule XIII - Industrial (rate 13) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | JAN | FEB | MAR | APR | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| a. \# of bills read (manually) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |
| b. \# of bills estimated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| c. \# of bills read by member | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| d. \# bills read telemetrically (AMI) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. \# of bills - other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 |

## Question:

Please provide a copy of the most recent voltage lines loss study conducted by or for Owen.

## Response:

Owen has not conducted any voltage line loss studies per.se. However, we do calculate our line loss on a monthly basis. Attached is the 12 month rolling average line loss report for the period June 2010 - May 2011, which is the most recent report generated.
fem $\# 84$
pase 283
OWEN ELECTRIC COOPERATIVE
12 MONTH AVERAGE LINE LOSS CALCULATION
12 Month

$$
\begin{aligned}
& \text { Itera } 84 \\
& \text { pege } 3 y 3
\end{aligned}
$$



Item No 85
Page 1 of 64
Witness: Rebecca Witt
OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037
RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## QUESTION:

Please provide a copy of RUS Form 7 for Owen for each of the last 5 years.

## RESPONSE:

See attached.

$$
\text { According to the Paperwork Reduction Act of } 1995 \text {, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it difplays a valid OMB }
$$ control number. The valid ONB control number for this information collection is 0572 - 0032 . The time required to complete this information collection is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information

## UNITED STATES DEPARTMENT OF AGRICULTURE <br> RURAL UTILITIES SERVICE

BORROWER DESIGNATION KYOO37
PERIOD ENDED
December, 2005
BORROWER NAME
INSTRUCTIONS - For detailed instructions, see RUS Bulletin 1717B-2.
This data will be used by RUS to review' your financial situation. Your response is required ( 7 U.S.C. 901 et. seq.) and may be confidential.

Owen Electric Cooperative, Inc

## CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

ALL INSURANCE REQUIRED BY PART 1788 OF 7 CAR CHAPTER XVI, RUS, WAS IN FORCE DURING THE REPORTING PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES

## DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CR CHAPTER XVII <br> (check one of the following)

[x] All of the obligations under the RUS loan documents have been fulfilled in all material respects.
$\square$ There has been a default in the fulfillment of the obligations under the RUS loan documents. Said defaults) is/are specifically described in Part D, of this report.


[^1]
## USDA-RUS FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletín 1717B-2

KY0037
PERIOD ENDED
December, 2006

## PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

| ITEM | YEAR-TO-DATE |  | ITEM | YEAR-TO-DATE |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | LAST YEAR <br> (a) | THIS YEAR <br> (b) |  | LAST YEAR <br> (a) | THIS YEAR <br> (b) |
| 1. New Services Connected | 2,126 | 1,818 | 5. Miles Transmission | 0.00 | 0.00 |
| 2. Services Retired | 177 | 186 | 6. Miles Distribution Overhead | 4,1.76.79 | 3,606.00 |
| 3. Total Services in Place | 59,898 | 58,999 | 7. Miles Distribution Underground | 763.23 | 794.00 |
| 4. Idle Services (Exclude Seasonals) | 4,409 | 4,084 | 8. Total Miles Energized $(5+6+7)$ | 4,940.02 | 4,400.00 |

## PART C. BALANCE SHEET

## ASSETS AND OTHER DEBITS

| Total Utility Plant in Service | $168,090,684$ |
| :---: | :---: |
| 2. Construction Work in Progress | 5,274,961 |
| 3. Total Utility Plant ( $1+2$ ) | 173,365,645 |
| 4. Accum. Provision for Depreciation and Amor | 54,910,130 |
| 5. Net Utility Plant (3-4) | 118,455,515 |
| 6. Non-Utility Property (Net) | 0 |
| 7. Investments in Subsidiary Companies | 0 |
| 8. Invest. in Assoc. Org. - Patronage Capital | 19,037,934 |
| 9. Invest. in Assoc. Org. - Other - General Funds | 0 |
| 10. Invest. in Assoc. Org. - Other - Nongeneral Funds.. | 1,993,279 |
| 11. Investments in Economic Development Project |  |
| 12. Other Investments | 363,286 |
| 13. Special Funds | 26,676 |
| 14. Total Other Property \& Investments (6 thru 13) | 21,421,175 |
| 15. Cash - General Funds | 1,154,891 |
| 16. Cash - Construction Funds - Trustee |  |
| 17. Special Deposits | 1,450 |
| 18. Temporary Investments | 240,000 |
| 19. Notes Receivable (Net) | 0 |
| 20. Accounts Receivable - Sales of Energy | 7,912,012 |
| 21. Accounts Receivable - Other (Net) | 253,817 |
| 22. Materials and Supplies - Electric \& Other | 1,183,742 |
| 23. Prepayments | 510,140 |
| 24. Other Current and Accrued Assets | 283,581 |
| 25. Total Current and Accrued Assets (15 thru 24) | 11,539,633 |
| 26. Regulatory Assets | 0 |
| 27. Other Deferred Debits | 521,270 |
| 28. Total Assets and Other Debits ( $5+14+25$ thru 27) . | 151,937,593 |

## LIABILITIES AND OTHER CREDITS

| 29. Memberships | 1,092,010 |
| :---: | :---: |
| 30. Patronage Capital | 51,553,952 |
| 31. Operating Margins - Prior Years. | 0 |
| 32. Operating Margins - Current Year | 0 |
| 33. Non-Operating Margins. | 824,090 |
| 34. Other Margins and Equities | 1,956,743 |
| 35. Total Margins \& Equities (29 thru 34). | 55,426,795 |
| 36. Long-Term Debt - RUS (Net). | 5,931,293 |
| 37. Long-Term Debt - FFB - RUS Guaranteed, | 36,989,965 |
| 38. Long-Term Debt - Other - RUS Guaranteed. | 0 |
| 39. Long-Term Debt Other (Net). | 27,869,238 |
| 40. Long-Term Debt - RUS - Econ. Devel. (Net). | 0 |
| 41. Payments - Unapplied | - 0 |
| 42. Total Long-Term Debt (36 thru 40-41) | 70,790,496 |
| 43. Obligations Under Capital Leases - Noncurrent. | 0 |
| 44. Accumulated Operating Provisions and Asset Retirement Obligations. | 5,611,971 |
| 45. Total Other Noncurrent Liabilities ( $43+44$ ) | 5,611,971 |
| 46. Notes Payable. | 5,683,178 |
| 47. Accounts Payable. | 5,841,425 |
| 48. Consumers Deposits | 2,234,834 |
| 49. Current Maturities Long-Term Debt. | 2,452,787 |
| 50. Current Maturities Long-Term Debt |  |
| -Economic Development. | 0 |
| 51. Current Maturities Capital Leases. | 0 |
| 52. Other Current and Accrued Liabilities | 3,343,712 |
| 53. Total Current \& A ccrued Liabilities (45 thru 52). | 19,555,936 |
| 54. Regulatory Liabilities. | 0 |
| 55. Other Deferred Credits | 552,395 |
| 56. Total Liabilities and Other Credits |  |
| $(35+42+45+53$ thru 55$)$ | 151,937,593 |


1.Cash received from patronage capital refunds : $\$ 183,491.98$

Unbilled revenue is not ncluded in Line 20 Part C.

- The cooperative received cash payments for the retirement of patronage capital from the following in 2006:
- National Rural Utilities Cooperative Finance Corporation $\$ 167578.37$
- Southeastern Data Cooperative $\$ 4380.92$
- United Utility Supply $\$ 8757.00$
- Kentucky Association of Electric Cooperatives \$1540.42
- Envision \$1235.27


USDA-RUS

FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletin 1717B-2

BORROWER DESIGNATION KY0037

PERIOD ENDED
December, 2006

| Part K. kWh PURCHASED AND TOTAL COST |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No | ITEM <br> (a) | RUS USE ONLY SUPPLIER CODE (b) | kWh PURCHASED <br> (c) | TOTAL COST <br> (d) | AVERAGE COST (Cents/kWh) (e) | INCLUDED IN TOTAL COST FUEL COST ADJUSTMENT (f) | INCLUDED IN TOTAL COST . WHEELING AND OTHER CHARGES (g) |
| 1 | East Kentucky Power Coop, Inc (KY) (KY0059) | 5580 | 2,134,119,750 | 102,910,227 | 4.82 | 14,616,019 | 9,979,057 |
|  | Total |  | 2,134,119,750 | 102,910,227 | 4.82 | 14,616,019 | 9,979,057 |



| USDA-RUS |  | BORROWER DESIGNATION ${ }_{\text {KY003 }}$ |  |
| :---: | :---: | :---: | :---: |
|  |  | PERIOD ENDED |  |
| INSTRUCTIONS - See RUS Bulletin 1717B-2 |  | December, 2006 |  |
| PART M. ANNUAL MEETING AND BOARD DATA |  |  |  |
| 1. Date of Last Annual Meeting 6/23/2006 | 2. Total Number of Members $44,788$ | 3. Number of Members Present at Meeting $1,022$ | 4. Was Quorum Present? <br> Y |
| 5. Number of Members Voting by Proxy or Mail | 6. Total Number of Board Members | 7. Total Amount of Fees and Expenses for Board Members \$ 269,561 | 8. Does Manager Have Written Contract? <br> Y |

## USDA-RUS

FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletin 1717B-2



## RUS Form 7



FINANCIAL AND STATISTICAL REPORT

PERIOD ENDED
December, 2006

INSTRUCTIONS - See RUS Bulletin 1717B-2



# UNITED STATES DEPARTMENT OF AGRICULTURE <br> RURAL UTILITIES SERVICE 

FINANCIAL AND STATISTICAL REPORT

| INSTRUCTIONS - For detailed instructions, see RUS Bulletin 1717B-2. |
| :--- |
| This data will be used by RUS to review' your financial situation. Your response is <br> required ( 7 US C 901 et seq.) and mav be confidential. |


| BORROWER DESIGNATION KY0037 |
| :--- |
| PERIOD ENDED |
| December, 2007 |
| BORROWER NAME |
| Owen Electric Cooperative, Inc. |
| TIFICATION |

## CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

## ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, RUS, WAS IN FORCE DURING THE REPORTING PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES

## DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CFR CHAPTER XVII

(check one of the following)

8 All of the obligations under the RUS loan documents have been fulfilled in all material respects.

Robert Hood
$\square$ There has been a default in the fulfilment of the obligations under the RUS loan documents. Said default(s) is/are specifically described in Part D of this report.
Robert Hood $\quad \frac{3 / 19 / 2008}{\text { DATE }}$

PART A. STATEMENT OF OPERATIONS

| ITEM | YEAR-TO-DATE |  |  | THIS MONTH <br> (d) |
| :---: | :---: | :---: | :---: | :---: |
|  | LAST YEAR <br> (a) | THIS YEAR <br> (b) | BUDGET <br> (c) |  |
| 1. Operating Revenue and Patronage Capital | 129,538,779 | 142,992,351 | 140,730,213 | 11,584,689 |
| 2. Power Production Expense | 0 |  |  |  |
| 3. Cost of Purchased Power | 102,910,227 | 115,800,725 | 112,557,894 | 8,524,087 |
| 4. Transmission Expense | 0 |  |  |  |
| 5. Distribution Expense - Operation | 4,066,740 | 3,937,933 | 4,353,980 | 172,361 |
| 6. Distribution Expense - Maintenance | 3,841,420 | 3,214,001 | 4,029,440 | 595,123 |
| 7. Customer Accounts Expense | 3,601,270 | 3,465,044 | 3,521,080 | 346,199 |
| 8. Customer Service and Informational Expense | 288,285 | 384,855 | 540,600 | 32.411 |
| 9. Sales Expense | 0 |  |  |  |
| 10. Administrative and General Expense | 2,933,162 | 3,054,835 | 3,001,536 | 396,786 |
| 11. Total Operation \& Maintenance Expense (2 thru 10) | 117,641,104 | 129,857,393 | 128,004,530 | 10,066,967 |
| 12. Depreciation and Amortization Expense | 7,374,959 | 9,656,698 | 7,605,300 | 2,294,902 |
| 13. Tax Expense - Property \& Gross Receipts | 0 |  |  |  |
| 14. Tax Expense - Other | 123,962 | 128,898 | 128,400 | (62,119) |
| 15. Interest on Long-Term Debt | 3,478,074 | 3,823,761 | 3,689,467 | 338,352 |
| 16. Interest Charged to Construction - Credit | 0 |  |  |  |
| 17. Interest Expense - Other | 274,446 | 819,788 | 295,300 | 70,033 |
| 18. Other Deductions | 114,938 | 105,200 | 128,000 | 17,802 |
| 19. Total Cost of Electric Service (1/ thru 18) | 129,007,483 | 144,391,738 | 139,850,997 | 12,725,937 |
| 20. Patronage Capital \& Operating Margins (1 mimus 19) | 531,296 | $(1,399,387)$ | 879,216 | (1,141,248) |
| 21. Non Operating Margins - Interest | 184,016 | 113,134 | 180,000 | 10,754 |
| 22. Allowance for Funds Used During Construction | 0 |  |  |  |
| 23. Income (Loss) from Equity Investments | 0 |  |  |  |
| 24. Non Operating Margins - Other | $(36,316)$ | 31,595 | 36,000 | 1,777 |
| 25. Generation and Transmission Capital Credits | 0 |  |  |  |
| 76. Other Capital Credits and Patronage Dividends | 292,794 | 428,601 | 305,000 | 133,751 |
| Extraordinary Items | 0 |  |  |  |
| $1<8$. Patronage Capital or Margins (20 thru 27) | 971,790 | (826,057) | 1,400,216 | $(994,966)$ |

FINANCIAL AND STATISTICAL REPORT
InSTRUCTIONS - See RUS Bulletin 1717B-2

PERIOD ENDED
December, 2007

## PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

| ITEM | YEAR-TO-DATE, |  | ITEM | YEAR-TO-DATE |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | LAST YEAR <br> (a) | THIS YEAR <br> (b) |  | LAST YEAR <br> (a) | THIS YEAR <br> (b) |
| 1. New Services Connected | 1,818 | 1,709 | 5. Miles Transmission | 0.00 |  |
| 2. Services Retired | 186 | 544 | 6. Miles Distribution Overhead | 3,606.00 | 3,315.00 |
| 3. Total Services in Place | 58,999 | 58,566 | 7. Miles Distribution Underground | 794.00 | 1,113.00 |
| 4. Idle Services (Exclude Seasonals) | 4,084 | 2,710 | 8. Total Miles Energized $(5+6+7)$ | 4,400.00 | 4,428.00 |
| PART C. BALANCE SHEET |  |  |  |  |  |
| ASSETS AND OTHER DEBITS |  |  | LIABILITIES AND OTHER CREDITS |  |  |
| 1. Total Utility Plant in Service |  | 184,679,441 | 29. Memberships..........................................................118,630 |  |  |
| 2. Construction Work in Progress |  | 3,036,756 | 30. Patronage Capital |  | 51,339,917 |
| 3. Total Utility Plant ( $1+2$ ) |  | 187,716,197 | 31. Operating Margins - Prior Years.. |  | - 0 |
| 4. Accum. Provision for Depreciation and Amort |  | 61,301,494 | 32. Operating Margins - Current Year. |  | 0 |
| 5. Net Utility Plant (3-4) |  | 126,414,703 | 33. Non-Operating Margins.. |  | (970, 786 ) |
| 6. Non-Utility Property (Net) |  | $\bigcirc$ | 34. Other Margins and Equities |  | 1,910,777 |
| 7. Investments in Subsidiary Companies |  | - 0 | 35. Total Margins \& Equities (29 thru 34) |  | 53,398,538 |
| 8. Invest in Assoc. Org. - Patronage Capital |  | 19,122,578 | 36. Long-Term Debt - RUS (Net) |  | 18,784,339 |
| 9. Invest. in Assoc. Org - Other-General Funds ...... |  |  | 37. Long-Term Debt - FFB - RUS Guaranteed |  | 36,221,885 |
| 10. Invest in Assoc. Org - Other - Nongeneral Funds. |  | 2,058,677 | 38. Long-Term Debt - Other - RUS Guaranteed |  | 0 |
| 11. Investments in Economic Development Projects .... |  |  | 39. Long-Term Debt Other (Net). |  | 26,045,559 |
| 12. Other Investments ............................................. |  | 411,397 | 40. Long-Term Debt - RUS - Econ. Devel. (Net) |  | 0 |
| Special Funds |  | 26,676 | 41. Payments - Unapplied |  | $\bigcirc$ |
| 14. Total Other Property \& Investments (6 thru 13) <br> 15. Cash - General Funds $\qquad$ |  | 21,619,328 | 42. Total Long-Term Debt (36 thru 40-41) <br> 43. Obligations Under Capital Leases - Noncurrent |  | 81,051,783 |
|  |  | 554,358 |  |  | 0 |
| 16. Cash - Construction Funds - Trustee |  | $\bigcirc$ | 44. Accumulated Operating Provisions |  |  |
| 17. Special Deposits |  | 1,450 | and Asset Retirement Obligations... |  | -6,151,972 |
| 18. Temporary Investments |  | 680,000 | 45. Total Other Noncurrent Liabilities ( $43+44$ ) |  | 6,151,972 |
| 19. Notes Receivable (Net) |  | - 0 | 46. Notes Payable |  | 5,720,933 |
| 20. Accounts Receivable - Sales of Energy (Net) .........- 8, 8 - 561,986 |  |  | 47. Accounts Payable |  | 4,839,938 |
| 21. Accounts Receivable - Other (Net) |  | 106,923 | 48. Consumers Deposits |  | 2,352,442 |
|  |  | -972,866 | 49. Current Maturities Long-Term Debt |  | 2,539,472 |
|  |  | 23. Prepayments ...wn......................................... $\quad$ - 513,037 | 50. Current Maturitics Long-Term Debt -Economic Development. |  |  |
| 24. Other Current and Accrued Assets |  | 263,673 |  |  | 0 |
| 25. Total Current and Accrued Assets (1.5 thru 24) |  | 11,654,293 | 51. Current Maturities Capital Leases |  | 0 |
| 26. Regulatory Assets $\qquad$ <br> 27. Other Deferred Debits |  | 0 | 52. Other Current and Accrued Liabilities. <br> 53. Total Current \& Accrued Liabilities (46 thru 52) |  | 2,851,073 |
|  |  | (144,887) |  |  | -18,303,858 |
| 28. Total Assets and Other D | ( $5+14+25$ thru 27$)$ | 159,543,437 | 53. Total Current \& Accrued Liabilities ( 76 thru 52)54. Regulatory Liabilities................................ |  | - 0 |
|  |  |  | 55. Other Deferred Credits <br> 56. Total Liabilities and Other Credits $(35+42+45+53$ thru 55$)$ |  | 637,286 |
|  |  |  |  |  | 159,543,437 |




| $\begin{aligned} & \text { Dtem } 85 \\ & \text { Pace } 180 \text { ofle } \end{aligned}$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | FINANCIAL <br> INSTRUG | USDA-RUS <br> AND STATISTIC <br> IONS - See RUS Bulle | REPORT <br> $7178-2$ |  | BORROW <br> KY0037 <br> PERIOD <br> December | R DESIGNATION <br> NDED $2007$ |
| Part K. KWh PURCHASED AND TOTAL COST |  |  |  |  |  |  |  |
| No | ITEM <br> (a) | RUS USE ONLY SUPPLIER CODE (b) | kWh PURCHASED <br> (c) | TOTAL COST <br> (d) | AVERAGE COST (Cents/kWh) (e) | INCLUDED IN TOTAL COST FUEL COST ADJUSTMENT (f) | INCLUDED IN TOTAL COST WHEELING AND OTHER CHARGES <br> (g) |
| 1 | East Kentucky Power Coop, Inc (KY) (KYOO59) | 5580 | 2,222,021,434 | 115,800,725 | 5.21 | 15,519,587 | 10,491,260 |
|  | Total |  | 2,222,021,434 | 115,800,725 | 5.21 | 15,519,587 | 10,491,260 |

## USDA-RUS

FINANCIAL AND STATISTICAL REPORT
BORROWER DESIGNATION KY0037

PERIOD ENDED
December, 2007

INSTRUCTIONS - See RUS Bulletin 1717B-2

PART L. LONG -TERM LEASES

| No | NAME OF LESSOR <br> (a) | TYPE OF PROPERTY |  |
| :--- | :--- | :--- | :--- | :--- |
| (b) |  | RENTAL THIS YEAR |  |
| (c) |  |  |  |
|  | Total |  |  |



FINANCIAL AND STATISTICAL REPORT
BORROWER DESIGNATION KY0037
PERIOD ENDED
INSTRUCTIONS - See RUS Bulletin 1717B-2
December, 2007


|  |  |  |  | $\begin{aligned} & \text { Ter } \\ & \square c y \end{aligned}$ | $\begin{aligned} & n 85 \\ & 210+64 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FINANCIAL AND STATISTICAL REPORT |  |  |  |  | NER DESIGNATION <br> ENDED <br> 2007 |
| PART N. LONG-TERM DEBT AND DEBT SERVICE REQUIREMENTS |  |  |  |  |  |
| No | ITEM | BALANCE END OF YEAR <br> (a) | INTEREST (Billed This Year) <br> (b) | PRINCIPAL (Billed This Year) (c) | TOTAL (Billed This Year) (d) |
| 1 | Rural Utilities Service (Excludes RUS - Economic Development Loans) | 18,784,339 | 272,372 | 157,349 | 429,721 |
| 2 | National Rural Utilities Cooperative Finance Corporation | 26,045,558 | 1,523,984 | 1,794,168 | 3,318,152 |
| 3 | Bank for Cooperatives |  |  |  |  |
| 4 | Federal Financing Bank | 36,221,885 | 2,500,317 | 700,510 | 3,200,827 |
| 5 | RUS - Economic Development Loans |  |  |  |  |
| 6 | Payments Unapplied |  |  |  |  |
|  | Total | 81,051,782 | 4,296,673 | 2,652,027 | 6,948,700 |

USDA - RUS

INSTRUCTIONS - See RUS Bulletin 1717B-2

BORROWER DESIGNATION
KY0037
PERIOD ENDED

## PART O. POWER REQUTREMENTS DATA BASE -ANNUAL SUMMARY

| CLASSIFICATION | CONSUMER SALES \& REVENUE DATA | DECEMBER <br> (a) | AVERAGE NO. CONSUMERS SERVED <br> (b) | TOTAL <br> YEAR TO DATE <br> (c) |
| :---: | :---: | :---: | :---: | :---: |
| 1. Residential Sales (excluding seasonal) | a, No. Consumers Served | 54,278 | 54,003 |  |
|  | b. kWh Sold |  |  | 746,858,240 |
|  | c. Revenue |  |  | 66,458,715 |
| 2. Residential Sales Seasonal | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 3. Irrigation Sales | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 4. Comm and Ind. 1000 KVA or Less | a. No. Consumers Served | 2,047 | 2,016 |  |
|  | b. kWh Sold |  |  | 226,585,405 |
|  | c. Revenue |  |  | 18,073,852 |
| 5. Comm and Ind. Over 1000 KVA | a. No. Consumers Served | 17 | 14 |  |
|  | b. kWh Sold |  |  | 1,178,657,108 |
|  | c. Revenue |  |  | 55,319,968 |
| ร. Public Street \& Highway Lighting | a. No. Consumers Served | 16 | 17 |  |
|  | b. kWh Sold |  |  | 588,969 |
|  | c. Revenue |  |  | 52,325 |
| 7. Other Sales to Public Authorities | a. No. Consumers Served | 248 | 240 |  |
|  | b. kWh Sold |  |  | 15,009,322 |
|  | c. Revenue |  |  | 2,312,489 |
| 8. Sales for Resale - <br> RUS Borrowers | a. No. Consumers Served |  |  |  |
|  | b. kwh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 9. Sales for Resale Other | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 10. TOTAL No. of Consumers (lines la thru 9a) |  | 56,606 | 56,290 |  |
| 11. TOTAL kWh Sold (lines 1b thru 9b) |  |  |  | 2,167,799,044 |
| 12. TOTAL Revenue Received From Sales of Electric Energy (line Ic thru 9c) |  |  |  | 141,217,349 |
| 13. Other Electric Revenue |  |  |  | 1,775,002 |
| 14. kWh - Own Use |  |  |  | 2,044,009 |
| 15. TOTAL kWh Purchased |  |  |  | 2,222,021,434 |
| 16. TOTAL kWh Generated |  |  |  | 0 |
| Cost of Purchases and Generation |  |  |  | 115,800,725 |
| 18. Interchange - kWh - Net |  |  |  | 0 |
| 19. Peak - Sum All kW Input (Metered)Non-coincident_ Coincident |  |  |  | 416,839 |

## RUS Form 7




 control mamber. The valid OMB control number for this infonmation collection is $0572-0032$. The time required to complete this information collection is estimated to average lo hours pet response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of infomation.

## UNITED STATES DEPARTMENT OF AGRICUITURE

 RURAL UTILIIES SFRVICE
## FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - For detailed instructions, see RUS Bulletin 1717B-2.
This data will be used by RUS to review your financial situation. Your response is reguired ( 7 U.S.C. 901 et. seq.) and may be confidentict.

| BORROWER DESIGNATION KY0037 |
| :--- |
| PERIOD ENDED <br> December, 2008 |
| BORROWER NAME |
| OWEN ELECTRIC COOPERATIVE, INC. |

## CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

## all insurance required by part 1788 of 7 CFr Chapter xvii, rus, was in force during the reporting period and renewals have been obtained for all policies

## DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CFR CHAPTER XVII (check one of the following)

$\square$ All of the obligations under the RUS loan documents have been fulfilled in all material respects.
$\square$ There has been a default in the fulfillment of the obligations under the RUS loan documents. Said default(s) is/are specifically described in Part D of this report.

| PART A. STATEMENT OF OPERATIONS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| ITEM | YEAR-TO-DATE |  |  | THIS MONTH <br> (d) |
|  | LAST YEAR <br> (a) | THIS YEAR <br> (b) | BUDGEI <br> (c) |  |
| 1. Operating Revenue and Patronage Capital | 142,992,351 | $149,713,621$ | 147,754,260 | 12,452,024 |
| 2. Power Production Expense |  |  |  |  |
| 3. Cost of Purchased Power | 115,800,725 | 121,334,659 | 117,881,065 | 8,448,137 |
| 4. Transmission Expense |  |  |  |  |
| 5. Distribution Expense-Operation | 3,937,933 | 4,406,426 | 3,992,325 | 492,221 |
| 6. Distribution Expense - Maintenance | 3,214,001 | 3,699,968 | 3,425,440 | 1,038 |
| 7. Customer Accounts Expense | 3,465,044 | 3,314,082 | 3,506,081 | 320,549 |
| 8. Customer Service and Informational Expense | 384, 855 | 538,820 | 453,383 | 61,360 |
| 9. Sales Expense |  |  |  |  |
| 10. Administrative and General Expense | 3,054,835 | 3,162,107 | 3,207,810 | 319,804 |
| 11. Total Operation \& Maintenance Expense (2 thru 10) | 129,857,393 | 136,456,062 | 132,466,104 | 9,643,109 |
| 12. Depreciation and Amortization Expense | 9,656,698 | 8,726,238 | 8,894,277 | 747,655 |
| 13. Tax Expense - Property \& Gross Receipts |  |  |  |  |
| 14. Tax Expense - Other | 128,898 | 133,221 | 150,811 | 8,987 |
| 15. Interest on Long-Term Debt | 3,823,761 | 4,295,140 | 4,521,121 | 378,161 |
| 16. Interest Charged to Construction - Credit |  |  |  |  |
| 17. Interest Expense - Other | 819,788 | 441,701 | 436,376 | 39,339 |
| 18. Other Deductions | 105,200 | 101,794 | 127,662 | 6,673 |
| 19. Total Cost of Electric Service (11 thru 18) | 144,391,738 | 150,154,156 | 146,596,351 | 10,823,924 |
| 20. Patronage Capital \& Operating Margins (1 mimus 19) | (1,399,387) | (440,535) | 1,157,909 | 1,628,100 |
| 21. Non Operating Margins - Interest | 113,134 | 200,439 | 133,120 | 113,502 |
| 22. Allowance for Funds Used During Construction |  |  |  |  |
| 23. Incone (Loss) from Equity Investments |  |  |  |  |
| 24. Non Operating Margins - Other | 31,595 | 468,177 | $(15,866)$ | 206,439 |
| 25. Generation and Transmission Capital Credits |  |  |  |  |
| 26. Other Capital Credits and Patronage Dividends | 428,601 | 1,997,324 | 303,715 | 1,026,154 |
| 27. Extraordinary Items |  |  |  |  |
| 28. Patronage Capital or Margins (20 thru 27) | (826.057) | 2,225,405 | 1,578,878 | 2,974,195 |

RUS Fomm 7


USDA-RUS

## FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletin 1717B-2

## PART. NOTES TO FINANCIAL STATEMENTS

1. Untilled revenue in not included in line 20 part $c$.
2. The cooperative received cash payments from the retirment of patronage capital from the following:

| National Rural Utilities Cooperative Finance Corporation | $\$ 214,684.31$ |
| :--- | :--- |
| South Eastern Data Cooperative | $\$ 9,833.60$ |
| United Utility Supply | $\$ 13,505.00$ |
| Kentucky Association of Electric Cooperatives | $\$ 1,286.27$ |
| Federated R.E. Insurance | $\$ 5,283.00$ |
| Envision | $\$ 510.00$ |

## NSTRUCTIONS - See RUS Bulletin 1717B-2

PARTE. CHANGES IN UTIIITYPLANT

| PLANT ITEM | $\begin{aligned} & \text { BALANCE } \\ & \text { BEGINNING } \\ & \text { OF YEAR } \\ & (a) \\ & \hline \end{aligned}$ |  | ADDITIONS <br> (b) | RETIREMENTS <br> (c) | ADJUSTMENTS AND TRANSFER <br> (d) | BALANCE END OF YEAR <br> (e) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Distribution Plant |  | 162, 332,802 | 9,982,752 |  |  | 171,498,597 |
| 2. General Plant |  | 12,020,611 | 611,423 |  |  | 12,449,977 |
| 3. Headquarters Plant |  | 10,326,028 | 181,346 |  |  | 10,507,374 |
| 4. Intangibles |  | 0 |  |  |  | 0 |
| 5. Transmission Plant |  | 0 |  |  |  | 0 |
| 6. All Other Utility Plant |  | 0 |  |  |  | 0 |
| 7. Total Utility Plant in Service (1 thru 6) |  | 184,679,441 | 10,775,521 |  |  | 194,455,948 |
| 8. Construction Work in Progress |  | 3,036,756 | 843,419 |  |  | 3,880,175 |
| 9. TOTAL UTLLTTY PLANT $(7+8)$ |  | 187,716,197 | 11,618,940 |  |  | 198, 336,123 |
| PART F. MATERIALS AND SUPPLIES |  |  |  |  |  |  |
| ITEM $\quad$BALANCE <br> BEGINNING OF <br> YEAR <br> $(a)$ | PURCHASED <br> (b) | SALVAGED <br> (c) | USED (NET) $(d)$ |  | ADJUSTMEN <br> (f) | BALANCE END OF YEAR <br> (g) |
| 1. Electric 960,106 | 1,323,459 | $(38,224)$ | 1,219,1 |  | $(7,760$ | 0) 1,007,930 |
| 2. Other 12,760 | 121,386 |  | 116,0 | 59 |  | 18,087 |


| ITEM | AVERAGE MINUTES PER CONSUMER BY CAUSE |  |  |  | TOTAL <br> (e) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | POWER SUPPLIER <br> (a) | MAJOR EVENT <br> (b) | PLANNED <br> (c) | ALL OTHER <br> (d) |  |
| 1. Present Year | 1.110 | 12.010 | . 050 | 1.620 | 14.790 |
| 2. Five-Year Average | 430 | 2.900 | . 070 | 1.930 | 5.330 |
| PARTII. EMPLOYEE-HOURAND PAYROLLSTATISTICS |  |  |  |  |  |
| 1. Number of Full Time Employees |  | 145 | 4. Payroll - Expensed |  | 5,270,185 |
| 2. Enployee - Hours Worked - Regular Time |  | 280,018 | 5. Payroll - Capitalized |  | 2,822,762 |
| 3. Enployee - Hours Worked - Overtime |  | 28,142 | 6. Payroll - Other |  | 417,608 |
| PART I. PATRONAGE CAPITAL |  |  |  |  |  |
| ITEM | DESCRIPTION |  |  | THIS YEAR <br> (a) | CUMULATIVE <br> (b) |
| 1. Capital Credits. Distributions | a. General Retirements |  |  | 1,296,856 | 17,559,699 |
|  | b. Special Retirements |  |  | 152,396 | 4,507,961 |
|  | c. Total Retireme | ( $\mathrm{a}+\mathrm{b}$ ) |  | 1,449,252 | 22,067,660 |
| 2. Capital Credits Received | a. Cash Received From Retirement of Patronage Capital by Suppliers of Electric Power |  |  |  |  |
|  | b. Cash Received From Retirement of Patronage Capital by Lenders for Credit Extended to the Electric System |  |  | 185,116 |  |
|  | c. Total Cash Received ( $a+b$ ) |  |  | 185,116 |  |
| PART J. DUE FROM CONSUMERS FOR ELECTRIC SERVICE |  |  |  |  |  |
| 1. AMOUNT DUE OVER 60 DAYS ${ }^{\text {d }}$ |  | 68,950 | 2. AMOUNT WRITTEN | F DURING YEAR | 273,265 |






| USDA - RUS <br> FINANCIAL AND STATISTICAL REPORT |  |  | $\begin{aligned} & \text { Item } 85 \\ & \text { Puge } 340564 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | BORROWER DESIGNATION KY0037 |  |  |
|  |  | PERIODENDED |  |  |
| TNSTRUCTIONS - See RUS Bulletin 1717B-2 |  |  |  |  |
| PART O. POWER REQUITREMENTS DATA BASE-ANNUAI SUMMARY |  |  |  |  |
| CLASSIFICATION | CONSUMER SALES \& REVENUE DATA | DECEMBER <br> (a) | AVERAGE NO. CONSUMERS SERVED <br> (b) | TOTAL <br> YEAR TODATE <br> (c) |
| 1. Residential Sales (excluding seasonal) | a. No. Consumers Served | 54,573 | 54.427 |  |
|  | b kWh Sold |  |  | 740,084,902 |
|  | b. KWh Sold |  |  | 68,931,115 |
|  | c. Revenue |  |  |  |
| 2. Residential Sales Seasonal | a. No. Consumers Served |  |  |  |
|  | b. KWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 3. Irrigation Sales | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 4. Comm, and Ind. 1000 KVA or Less | a. No. Consumers Served | 2,104 | 2,086 |  |
|  | b. kWh Sold |  |  | 214,939,442 |
|  | c. Revenue |  |  | 18,052,146 |
| 5. Comm. and Ind. Over 1000 KVA | a. No. Consumers Served | 14 | 17 |  |
|  | b. kWh Sold |  |  | 1,168,425,331 |
|  | c. Revenue |  |  | 58,897,041 |
| 6. Public Street \& Highway Lighting | a. No. Consumers Served | 18 | 16 |  |
|  | b. kWh Sold |  |  | 46,3 |
|  | c. Revenue |  |  | 59,487 |
| 7. Other Sales to Public Authorities | a. No. Consumers Served | 251 | 248 |  |
|  | b. kWh Sold |  |  | 22,631,425 |
|  |  |  |  | 2,007,006 |
|  | c. Revenue |  |  |  |
| 8. Sales for Resale RUS Borrowers | a. No. Consumers Served |  |  |  |
|  | b. kwh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 9. Sales for Resale Other | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 10. TOTAL No. of Consumers (lines la thru 9a) |  | 56,960 | 56,794 |  |
| 11. TOTALkWh Sold (lines 1 b thru 9b) |  |  |  | $2,146,727,475$ |
| 12. TOTAL Revenue Electric Energy | Received From Sales of (line lo thru 9c) |  |  | 147,946,795 |
| 13. Other Electric Revenue |  | $\bigcirc$ |  | 1,766,851 |
| 14. kWh . - Own Use |  |  |  | 2,130,563 |
| 15. TOTAL kWh Purchased |  |  |  | 1,243,317,295 |
| 16. TOTAL kWh Generated |  |  |  |  |
| 17. Cost of Purchases and Generation |  |  |  | 121,334,659 |
| 18. Interchange - kWh - Net |  | ¢ |  |  |
| 19. Peak - Sum All kW Input (Metered) <br> Non-coincident <br> Coincident |  |  |  | 436,627 |

RUS Form 7

FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletin 1717B-2


|  | FINAN <br> in | USDA-RUS <br> STATISTIC <br> S - See RUS Bulletin | PORT |  | BORROWER DESIGNATION KY0037 <br> PERIOD ENDED <br> December, 2008 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PART II. LOAN GUARANTEES |  |  |  |  |  |
| No | ORGANIZATION <br> (a) | MATURITY DATE <br> (b) |  | Loan balance $\begin{aligned} & (\$) \\ & (\mathrm{d}) \\ & \hline \end{aligned}$ | RURAL DEVELOPMENT <br> (e) |
|  | Total |  |  |  |  |
|  | TOTAL (Included Loan Guarantees Oniy) |  |  |  |  |


 control number. The valid OMB control number for this information collection is $0572-0032$. The time required to complete this information collection is estimated to average 16 hours per


## UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE

BORROWER DESIGNATION KY0037
PERIOD ENDED
December, 2009 (Prepared with Audited Data)
FINANCIAL AND STATISTICAL REPORT
INSTRUCTIONS - For detailed instructions, see RUS Bulletin 1717B-2
BORROWER NAME
This data will be used by RUS to review your financial situation. Your response is required ( 7 (IS.C. 901 et. seq.) and may be confidential.

OWEN ELECTRIC COOPERATIVE, INC

## CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

## ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, RUS, WAS IN FORCE DURING THE REPORTING PERIOD AND renewals have been obtained for all policies <br> DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CFR CHAPTER XVI <br> (check one of the following)

© All of the obligations under the RUS loan documents have been fulfilled in all material respects.
$\square$ There has been a default in the fulfillment of the obligations under the RUS loan documents. Said default(s) is/are specifically described in Part D of this report.

Mark Stallons
$-\frac{3 / 31 / 2010}{\text { DATE }}$

PART A. STATEMENT OF OPERATIONS

| ITEM | YEAR-TO-DATE |  |  | THIS MONTH <br> (d) |
| :---: | :---: | :---: | :---: | :---: |
|  | LAST YEAR <br> (a) | THIS YEAR <br> (b) | BUDGET <br> (c) |  |
| 1. Operating Revenue and Patronage Capital | 149,713,621 | 141,746, 616 | 167,756,966 | 11,525,071 |
| 2. Power Production Expense |  |  |  |  |
| 3. Cost of Purchased Power | 121,334,659 | 110,001,447 | 133,314,304 | 8,651,664 |
| 4. Transmission Expense |  |  |  |  |
| 5. Distribution Expense - Operation | 4,406,426 | 5,379,575 | 4,408,686 | 504,581 |
| 6. Distribution Expense - Maintenance | 3,699,968 | 3,863,514 | 3,829,041 | 423,819 |
| 7. Customer Accounts Expense | 3,314,082 | 3,427,327 | 3,483,527 | 379,993 |
| 8. Customer Service and Informational Expense | 538,820 | 559,353 | 567,310 | 63,896 |
| 9. Sales Expense |  |  |  |  |
| 10. Administrative and General Expense | 3,162,107 | 2,778,189 | 3,307,445 | 313,553 |
| 11. Total Operation \& Maintenance Expense (2 thru 10) | 136,456,062 | 126,009,405 | 148,910,313 | 10,337,506 |
| 12. Depreciation and Amortization Expense | 8,726,238 | 9,253,930 | 9,066,843 | 790,602 |
|  |  |  |  |  |
| 14. Tax Expense - Other | 133,227 | 138,361 | 143,804 | 11,413 |
| 15. Interest on Long-Term Debt | 4,295,140 | 4,564,974 | 4,763,387 | 401,163 |
| 16. Interest Charged to Construction-Credit |  |  |  |  |
| 17. Interest Expense - Other | 441,701 | 282,322 | 342,137 | 14,129 |
| 18. Other Deductions | 101,794 | 70,399 | 122,712 | 3,512 |
| 19. Total Cost of Electric Service (11 thru 18) | 150,154,156 | 140,319,391 | 163,349,196 | 11,558,325 |
| 20. Patronage Capital \& Operating Margins (1 minus 19) | (440,535) | 1,427,225 | 4,407,770 | (33,254) |
| 21. Non Operating Margins - Interest | 200,439 | 96,038 | 107,237 | 31,324 |
| 22. Allowance for Funds Used During Construction $\quad$ _ $\quad$, |  |  |  |  |
| 23. Income (Loss) from Equity Investments |  |  |  |  |
| 24. Non Operating Margins - Other | 468,177 | 8,979 | (52,792) | (8,196) |
| 25. Generation and Transmission Capital Credits |  |  |  |  |
| 26. Other Capital Credits and Patronage Dividends | 1,997,324 | 3,796,304 | 850,000 | 3,551,381 |
| 7 Extraordinary ltems |  |  |  |  |
| S. Patronage Capital or Margins (20 thru 27) | 2,225,405 | 5,328,546 | 5,312,215 | 3,541,255 |

[^2]

FINANCIAL AND STATISTICAL REPORT

INSTRUCTIONS - See RUS Bulletin 1717B-2

PART D. NOTES TO FINANCIAL STATEMENTS

1. Unbilled revenue is not included in line 20 of Part C.2. The cooperative received cash payments for the retirement of patronage from the following:NRTC \$193,439.39 NRUCFC $\$ 102,042.21$ SEDC $\$ 8,709.85$ UUS $\$ 6,891.00$ KAEC $\$ 640.70$ FEDERATED $\$ 6,419.00$ ENVISION $\$ 510.00$

## FINANCIAL AND STATISTICAL RERORT

| PART E. CHANGES IN UTILITY PLANT |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PLANT ITEM | BALANCE BEGINNING OF YEAR <br> (a) | ADDITIONS <br> (b) | RETIREMENTS <br> (c) | ADJUSTMENTS AND TRANSFER <br> (d) | BALANCE END OF YEAR <br> (e) |
| 1. Distribution Plant | 171,498,597 | 10,064,014 | 1,068,761 |  | 180,493,850 |
| 2. General Plant | 12,449,977 | 1,413,426 | 676,222 |  | 13,187,181 |
| 3. Headquarters Plant | 10,507,374 | 67,412 |  |  | 10,574,786 |
| 4. Intangibles | 0 |  |  |  | 0 |
| 5. Transmission Plant | 0 |  |  |  | 0 |
| 6. All Other Utility Plant | 0 |  |  |  | 0 |
| 7. Total Utility Plant in Service (1 thru 6) | 194,455,948 | 11,544,852 | 1,744,983 |  | 204,255,817 |
| 8. Construction Work in Progress | 3,880,175 | (262,738) |  |  | 3,617,437 |
| 9. TOTAL UTILITY PLANT $(7+8)$ | 198,336,123 | 11,282,114 | 1,744,983 |  | 207,873,254 |

PART F. MATERIALS AND SUPPLIES

| ITEM | BALANCE BEGINNING OF YEAR (a) | PURCHASED <br> (b) | SALVAGED <br> (c) | USED (NET) <br> (d) | SOLD <br> (e) | ADJUSTMENT <br> (f) | BALANCE END OF YEAR <br> (g) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Electric | 1,007,956 | 1,697,661 | 50,572 | 1,687,028 | 13,609 | (102,206) | 953,346 |
| 2. Other | 18,087 | 832,499 |  | 835,782 | 2,248 | 5,380 | 17,936 |

## PART G. SERVICE INTERRUPTIONS

| ITEM | AVERAGE MINUTES PER CONSUMER BY CAUSE |  |  |  | TOTAL. <br> (e) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | POWER SUPPLIER <br> (a) | MAJOR EVENT <br> (b) | PLANNED <br> (c) | ALL OTHER <br> (d) |  |
| 1. Present Year | 18.600 | 732.000 | 7.200 | 126.600 | 884.400 |
| 2. Five-Year Average | 25.800 | 315.000 | 5.400 | 109.800 | 456.000 |
| PARTH. EMPLOYEE-HOURAND PAYROLLSTATISTICS |  |  |  |  |  |
| 1. Number of Full Time Employees |  | 136 | 4. Payroll-Expensed |  | 5,324,842 |
| 2. Employee - Hours Worked - Regular Time |  | 281,455 | 5. Payroll - Capitalized |  | 3,055,191 |
| 3. Employee - Hours Worked-Overtime |  | 26,944 | 6. Payroll-Other |  | 563,282 |

## PART I. PATRONAGE CAPITAL

| ITEM | DESCRIPTION |  | THIS YEAR <br> (a) | CUMULATIVE <br> (b) |
| :---: | :---: | :---: | :---: | :---: |
| 1. Capital Credits Distributions | a. General Retirements |  | 750,319 | 18,310,019 |
|  | b. Special Retirements |  | 213,365 | 4,721,326 |
|  | c. Total Retirements (a+b) |  | 963,684 | 23,031,345 |
| 2. Capital Credits . Received | a. Cash Received From Retirement of Patronage Capital by Suppliers of Electric Power |  |  |  |
|  | b. Cash Received From Retirement of Patronage Capital by Lenders for Credit Extended to the Electuic System |  | 102,042 |  |
|  | c. Total Cash Received ( $\mathrm{a}+\mathrm{b}$ ) |  | 102,042 | Y4, |
| PART J. DUE FROM CONSUMERS FOR ELECTRIC SERVICE |  |  |  |  |
| 1. AMOUNT DUE OVER 60 DAYS | AYS ${ }^{\text {P }}$ - 487,525 | 2. AMOUNT WRITIEN | DURING YEAR | \$ 293,340 |


|  |  | FINANCIAL <br> INSTRUC | USDA-RUS <br> AND STATISTIC <br> ONS - See RUS Bulletin | REPORT <br> $717 B-2$ |  | BORROW <br> KY0037 <br> PERIOD E <br> December | R DESIGNATION <br> NDED <br> 2009 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Part K. kWh PURCHASED AND TOTAL COST |  |  |  |  |  |  |  |
| No | ITEM <br> (a) | RUS USE ONLY SUPPLIER CODE (b) | kWh PURCHASED <br> (c) | TOTAL COST <br> (d) | AVERAGE COST (Cents/kWh) (e) | INCLUDED $\operatorname{IN}$ TOTAL COST FUEL COST ADJUSTMENT (f) | INCLUDED IN TOTAL COST WHEELING AND OTHER CHARGES <br> (g) |
| 1 | East Kentucky Power Coop. Inc (KY0059) | 5580 | 2,053,585,292 | 110,001,447 | 5.36 | $(1,008,557)$ | 10,371,174 |
|  | Total |  | 2,053,585,292 | 110,001,447 | 5.36 | $(1,008,557)$ | 10,371,174 |


|  |  |  | Itern 85 <br> Puee 43 of |
| :---: | :---: | :---: | :---: |
| USDA-RUS |  |  | Borrower designation |
|  |  |  | кY0037 |
| FINANCIAL AND STATISTICAL REPORT |  |  | period ended |
|  |  |  | December, 2009 |
| INSTRUCTIONS - See RUS Bulietin 1717B-2 |  |  |  |
| PARTL. LONG-TERMLEASES |  |  |  |
| No | $\underset{\substack{\text { NAME OF LESSOR } \\(\mathrm{a})}}{ }$ | $\begin{aligned} & \text { TYPE OF PROPERTY } \\ & \text { (b) } \end{aligned}$ | RENTAL THIS YEAR |
|  |  |  |  |

PART M. ANNUAL MEETING AND BOARD DATA

| 1. Date of Last Annual Meeting 6/26/2009 | 2. Total Number of Members $47,234$ | 3. Number of Members Present at Meeting | 4. Was Quorum Present? Y |
| :---: | :---: | :---: | :---: |
| 5. Number of Members Voting by Proxy or Mail | 6. Total Number of Board Members $7$ | 7. Total Amount of Fees and Expenses for Board Members | 8. Does Manager Have Written Contract? <br> Y |


| $\operatorname{cose} 45 o f \ln$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | FINANCIAL <br> INSTRUC | USDA-RUS <br> AND STATISTICAL <br> IONS : See RUS Bulletin 171 | PORT | BOR <br> KY003 <br> PER <br> Dece | NER DESIGNATION <br> ENDED <br> r, 2009 |
| PART N. LONG-TERM DEBT AND DEBT SERVICE REQUIREMENTS |  |  |  |  |  |
| No | ITEM | BALANCE END OF YEAR <br> (a) | INTEREST (Bllled This Year) (b) | PRINCIPAL (Billed This Year) (c) | TOTAL <br> (Bllled This Year) <br> (d) |
| 1 | Rural Utilities Service (Excludes RUS - Economic Development Loans) | 33,887,120 | 1,258,811 | 301,890 | 1,560,701 |
| 2 | National Rural Utilities Cooperative Finance Corporation | 22,324,707 | 1,368,613 | 1,843,174 | 3,211,787 |
| 3 | Bank for Cooperatives |  |  |  |  |
| 4 | Federal Financing Bank | 35,099,114 | 1,942,412 | 621,663 | 2,564,075 |
| 5 | RUS - Economic Development Loans |  |  |  |  |
| 6 | Payments Unapplied |  |  |  |  |
|  | Total | 91,310,941 | 4,569,836 | 2,766,727 | 7,336,563 |

FINANCLAL, AND STATISTICAL REPORT
INSTRUCTIONS - See RUS Bulletin 1717B-2

PERIOD ENDED
December, 2009

PART O. POWER REQUIREMENTS DATA BASE - ANNUAL SUMMARY

| CLASSIFICATION | CONSUMER SALES \& REVENUE DATA | DECEMBER <br> (a) | AVERAGE NO. CONSUMERS SERVED <br> (b) | TOTAL <br> YEAR TO DATE <br> (c) |
| :---: | :---: | :---: | :---: | :---: |
| 1. Residential Sales (excluding seasonal) | a. No. Consumers Served | 54,749 | 54,805 | revery |
|  | b. kWh Sold |  | Y\& | 718,200,933 |
|  | c. Revenue |  |  | 71,405,333 |
| 2. Residential Sales Seasonal | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  | ", |  |
|  | c. Revenue | Why | Tr, |  |
| 3. Irrigation Sales | a. No. Consumers Served |  |  |  |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue | 5htrystr, |  |  |
| 4. Comm. and Ind. 1000 KVA or Less | a. No. Consumers Served | 2,157 | 2,134 |  |
|  | b. kWh Sold | WV, V/14, |  | 200,851,144 |
|  | c. Revenue | Wh, | < | 17,405,222 |
| 5. Comm. and Ind. Over 1000 KVA | a. No. Consumers Served | 19 | 16 |  |
|  | b. kWh Sold |  |  | 1,051,316,477 |
|  | c. Revenue |  |  | 48,751,574 |
| 6. Public Street \& Highway Lighting | a. No. Consumers Served | 17 | 18 |  |
|  | b. kWh Sold |  |  | 644,160 |
|  | c. Revenue |  |  | 62,050 |
| 7. Other Sales to Public Authorities | a. No. Consumers Served | 249 | 250 |  |
|  | b. kWh Sold |  |  | 24,367,935 |
|  | c. Revenue |  |  | $2,248,268$ |
| 8. Sales for Resale RUS Borrowers | a. No. Consumers Served |  |  |  |
|  | b. kwh Sold |  |  |  |
|  | c. Revenue | R-Y, |  |  |
| 9. Sales for Resale Other | a. No. Consumers Served |  |  | Y, |
|  | b. kWh Sold |  |  |  |
|  | c. Revenue |  |  |  |
| 10. TOTAL No. of Consumers (lines la thru 9a) |  | 57.191 | 57,223 |  |
| 11. TOTAL kWh Sold (lines lb thru 9b) |  |  |  | 2,005,380,649 |
| 12. TOTAL Revenue Received From Sales of Electric Energy (line 1c thru 9c) |  |  |  | 139,872,447 |
| 13. Other Electric Revenue |  | $\square$ |  | 1,874,169 |
| 14. kWh - Own Use |  | $\square$ | \% | 2,094,952 |
| 15. TOTAL kWh Purchased |  |  |  | 2,053,585,292 |
| 16. TOTAL kWh Generated |  | r, ب, |  | 0 |
| 17. Cost of Purchases and Generation |  | $\qquad$ |  | 110,001,447 |
| ... Interchange - kWh - Net |  | $\text { YY, } \quad \text {, }$ | 2 | 0 |
| 19. Peak - Sum All kW Input (Metered) Non-coincident $\qquad$ Coincident $\qquad$ |  |  |  | 413,640 |

## RUS Form 7



|  |  |  |  | Itern 85 <br> Puee 48 of ce |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | FINAN | USDA-RUS D STATISTIC | PORT |  | BORROWER DESIGNATION KY0037 |
| INSTRUCTIONS - See RUS Bulletin 1717B-2 |  |  |  |  |  |
| PART II. LOAN GUARANTEES |  |  |  |  |  |
| No | ORGANIZATION <br> (a) | MATURITY DATE <br> (b) | ORIGINAL AMOUNT ( 5 ) (c) | $\begin{gathered} \text { LOAN BALANCE } \\ \text { (\$) } \\ \text { (d) } \\ \hline \end{gathered}$ | RURAL DEVELOPMENT <br> (e) |
|  | Total |  |  |  |  |
|  | TOTAL (Included Loan Guarantees Only) |  |  |  |  |

\begin{tabular}{|c|c|c|c|c|c|}
\hline \& FINA \& \begin{tabular}{l}
USDA-RUS \\
D STATISTIC \\
S - See RUJS Bulletin
\end{tabular} \& PORT

2 \& \& | borRower designation KY0037 |
| :--- |
| PERIOD ENDED |
| December, 2009 | <br>

\hline \multicolumn{6}{|c|}{Part III. RATIO} <br>

\hline \multicolumn{5}{|l|}{| RATIO OF INVESTMENTS AND LOAN GUARANTEES TO UTILITY PLANT |
| :--- |
| [Total Of Included Investments (Partl, 11b) and Loan Guarantees - Loan Balance (Part II, 5d) to Total Utility Piant (Form7. Part C, Line3)] |} \& 1.01\% <br>

\hline \multicolumn{6}{|c|}{PARTIV. LOANS} <br>

\hline No \& | organization |
| :--- |
| (a) | \& | MATURITY DATE |
| :--- |
| (b) | \& ORIGINAL AMOUNT

\[
$$
\begin{aligned}
& (\$) \\
& (c)
\end{aligned}
$$

\] \& | LOAN BALANCE |
| :--- |
| (\$) | \& | RURAL DEVELOPMENT |
| :--- |
| (e) | <br>

\hline 1 \& Employees, Officers, Directors \& \& \& \& <br>
\hline 2 \& Energy Resources Conservation Loans \& \& \& \& <br>
\hline \& Total \& \& \& \& <br>
\hline
\end{tabular}



Revision Date 2010
UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL UTILITIES SERVICE
FINANCIAL AND OPERATING REPORT
ELECTRIC DISTRIBUTION

INSTRUCTIONS - See help in the online application.

BORROWER DESIGNATION
KYOO37
PERIOD ENDED
December, 2010


2. The cooperative received cash payments for the retirement of patronage capital from
following:

- NRTC - \$58,399.90
- NRUCFC - $\$ 73,425.70$
- SEDC - $\$ 7,527.96$

UUS - \$8,297.00

KAEC - \$135.06

- FEDERATED - \$5,268.00

ENVISION - $\$ 292.63$

TOTAL - \$153,346.25

| UNTED STATES DEPARTMENT OF AGRICULTURE |
| :---: | :---: | :---: |
| RURAL UTILITIES SERVICE |
| FINANCIAL AND OPERATING REPORT |
| ELECTRIC DISTRIBUTION |





|  |  |  | $\begin{aligned} & \text { I-tem } 85 \\ & \text { a se } 570 f \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| UNTTED STATES DEPARTMENT OFAGRICULTURERURAL UTLITIES SERVICE |  | BORROWER DESIGNATION |  |
| FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION |  | KY0037 |  |
| INSTRUCTIONS - See help in the onllne application, |  | PERIOD ENDED December, 2010 |  |
| PART L. LONG-TERM LEASES |  |  |  |
| No | $\begin{aligned} & \text { NAME OF LESSOR } \\ & \text { (a) } \end{aligned}$ | $\underset{\substack{\text { TYPE OF PROPERTY } \\(\mathrm{b})}}{( }$ | $\begin{gathered} \text { RENTAL THIS YEAR } \\ (\mathrm{c}) \end{gathered}$ |
|  | TOTAL |  |  |



RUS Timancial and Operating Report Electric Distribution
Revision Date 2010



RUS Financial and Operating Report Electric Distribution
Revision Dute 2010



Page of 64


RUS Financial and Operating Report Electric Distribution
Revision Date 2010

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE

FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION INVESTMENTS, LOAN GUARANTEES AND LOANS

BORROWER DESIGNATION
KY0037

PERIOD ENDED
December, 2010

INSTRUCTIONS - Reporting of Investments is required by 7 CFR 1717, Subpart N. Investment categories reported on this Part correspond to Balance Sheet Items in Part C. Identify all Investments in Rural Development with an ' $X$ ' in column (e). Both 'Included' and 'Excluded' Investments must be reported. See help in the online application.




UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE

FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION

BORROWER DESIGNATION
KY0037

PERIOD ENDED
INVESTMENTS, LOAN GUARANTEES AND LOANS
December, 2010
INSTRUCTIONS - Reporting of investments is required by 7 CFR 1717. Subpart N. Investment categorIes reported on this Part correspond to Balance Sheet items in Part C. Identify all Investments in Rural Development with an ' $X$ ' in column (e). Both 'Included' and Excluded' Investments must be reported. See help in the online application.



With regard to Owen DSM and /or conservation programs, please provide the following:
a. Question:

Identification and detailed narrative describing each program in-place in each of the last 10 years; and,
a. Response:

Owen has made available the following DSM programs: Button-Up home weatherization, high efficiency HVAC and water heater rebates, Touchstone Energy Home and Touchstone Energy Manufactured Home programs, Simple Saver direct load control program, Together We Save energy conservation tips, free home energy audits, disbursement of CFL 's for replacement lighting, and energy efficiency and conservation workshops. These programs are promoted in our monthly member newsletter published in Kentucky Living magazine, in periodic billing inserts and newspaper articles, and on our website (owenelectric.com). Additionally, Owen's member service representatives actively promote these programs while talking with our members. See attached program descriptions for further detail. Additionally, see response No. 17 for additional program descriptions in place over the past ten years.
b. Question:

All metrics, studies and analyses relating to the cost versus benefits of each program in (a).
b. Response:

Owen's programs and cost/benefit analysis have been based upon the analysis performed by our G\&T, East Kentucky Power Cooperative. Attached to this response on a CD is a copy of the technical appendix that was filed in East Kentucky Power's last IRP case that contains all the cost/benefit analysis performed for the various programs. The incentive amounts have typically been based upon Owen's budgetary constraints and upon our best judgment of what we believed would be adequate to encourage our members to participate in DSM and energy efficiency programs and products.

## Products and Programs



Two of the best improvements you can make to your home to lower your heating and cooling costs are to increase the amount of insulation in your home and to stop outside air from getting in. Owen Electric's Button Up program helps you increase your home's efficiency and your comfort while helping you save money on your electric bills!

Your home must be at least five years old and use electricity as the primary heat source. Call our Energy Advisor, Jude Canchola, and make an appointment to have him visit your home to point out areas where efficiency can be improved. A heat-loss calculation will be done before you make recommended improvements and then again after improvements to determine the exact amount of your incentive payment. When you button up, we'll pay you $\$ 20$ for every 1,000 BTUs your heating load is lowered, up to $\$ 300$.

Contact your local Owen Electric office for more information or to set up an appointment.

For additional questions e-mall or call Owen Electric Cooperative's Customer Service and Marketing Department at 1-800-372-7612.

A Touchatone Energy Cooperaive F St

## 2011 Residential Incentives



Owen Electric offers the following incentives to its members to encourage the selection of energy efficient and environmentally-wise residential equipment. These incentives are good for installations made on or after 1/1/2011.

## Heating and Cooling Systems

Rebate requests for heating and cooling systems must meet each of the following requirements, plus any additional requirements for that specific type of heating and cooling system.

* Work and installation must be completed in the 2011 calendar year.
* Completed rebate form and copy of invoice or receipt must be submitted to Owen Electric within 60 days of completed installation.
* All installations must be in a stick-built home or a manufactured home on a permanent foundation.
* All units must be the initial unit in a newly constructed home or the replacement of a gas (natural or propane) furnace, electric furnace, ceiling cable, or electric baseboard in an existing home.


## Г GEOTHERMAL HEATING AND COOLING-\$300

Maximum auxiliary strip heat must be limited to 5 kW . Additional strip heat may be installed, but must be staged for emergency use only.

A Touchstone Energy Cooperative it

## 2011 Residential Incentives



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* All units must be the initial unit in a newly constructed home or the replacement of a gas (natural or propane) furnace, electric furnace, ceiling cable, or electric baseboard in an existing home.

[^3][^4]
## 2011 Water Heater Program



Owen Electric provides new and current home owners another way to save on their energy bill. Our water heater program provides great savings for members building a new home or replacing a gas water heater. Installing an energy efficient, electric water heater may reduce your utility bill, and possibly give you cash back from the cooperative.

## Owen Electric offers a $\$ 100$ member rebate on qualifying water heaters.

## What is a qualifying unit?

The new water heater must meet the following specifications:

- 50-gallon minimum
- GAMA efficiency of 90 or better
- Maximum element size of 5,500 watts
- Proper paperwork-GAMA efficiency rating

Must be installed in a new home or it must replace
an existing natural gas or propane water heater.

Fill out form on the reverse side and mail to the address provided.
Program effective Jan. 1, 2011.
Details and terms are subject to change without notice.


## Touchstone Energy Homes

Rebate requests for Touchstone Energy homes must meet each of the program requirements，plus any additional requirements for that specific type of Touchstone Energy Home．
＊Work and installation must be completed in the 2011 calendar year．
＊Completed paperwork and copy of invoice or receipt must be submitted to Owen Electric within 60 days of completed installation．

## 「 TOUCHSTONE ENERGY MANUFACTURED HOME－ $\mathbf{\$ 2 5 0}$

－The manufactured home must have the official Energy Star certification plate affixed to the home indicating that it has been built to program specifications．
－The home must have double－pane windows，added insulation，sealed ductwork，and 14 SEER air－to－air heat pump．

「 TOUCHSTONE ENERGY STICK－BUILT HOME WITH GEOTHERMAL－$\$ 650$「 TOUCHSTONE ENERGY STICK－BUILT HOME WITH HEAT PUMP－$\$ 450$

Call or visit your nearest Owen Electric office for requirements before you build．Periodic inspections are required during construction for rebate．

## Touchstone Energy Home Program Standards 2011 (2009 Iec)

THE TOUCHSTONE ENERGY HOME STANDARDS ARE DESIGNED TO PROVIDE HOMEOWNERS SUPERIOR COMFORT AND ENERGY SAVINGS. FOLLOWING THESE GUIDELINES AND WORKING CLOSELY WITH YOUR LOCAL ENERGY ADVISOR WILL HELP YOU ACHIEVE THE MOST OUT OF YOUR NEW HOME.

PROGRAM PROCESS:
1.) COMPLETE AND SUBMIT TOUCHSTONE ENERGY HOME APPLICATION AND SUBMIT TO LOCAL COOPERATIVE ENERGY ADVISOR
2.) PRE-DRYWALL INSPECTION (COMPLETE THERMALL BYP ASS CHECKLIST)
3.) FINALINSPECTION AND TESTING


| ATTIC | R-38 |
| :---: | :---: |
| VAULTED CEILINGS | R-30 |
| KNEE WALLS | R-13 W/A FULLY SEALED AR BARRIER INSTALLED ON THE ATTIC SIDE OF THE WALL. |
| EXTERIOR WALL | R-13 |
| BASEMENT WALL | R-10 (CONTNUOUS)/ R-13 (fRAMED CAVITY) |
| FLOOR | R-19 (CRAWLSPACEFLOOR MUSTBE COVEREO WITH 6 MIL VAPOR BARRIER ANO MUST BE GLUED TO THE FOUNDATION WALLS AND GLUED AT THE OVERLAPS) |
| SLAB | R-10 (2 FEETVERTICAL) |
| CRAWLSPACEWALLS | R-10 (CONTINUOUS)/R-13 (FRAMED CAVITY) |
| DUCTS | SUPPIY DUCTS IN ATTICS SHALL BE INSULATED TO A MINIMUM OF R-8 |
|  | ALL OTHER DUCTS SHALL BE INSULATED TO A MINIMUM OF R-6 |
| WINDOWS | U-VALUE $\leq 35$ (MAXIMUM 18\% OF WALL SQUARE FOOTAGE) |
|  |  |
|  |  |
| AIR SEALING | TOUCHSTONE ENERGY HOME $\square$ |
| BLOWER DOOR TEST | FINAL AIR LEAKAGE MUST BE TESTED TO BE LESS THAN 7 ACH (AIR CHANGES PER HOUR) @ 50 PASCALS |
| DUCT LEAKAGE | JOINTS AND SEAMS OF DUCT SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF FOIL. TAPE THEN A LAYER OF MASTIC OR MASTIC TAPE |


|  | - LEAKAGE TO OUTDOORS $=\leq 8$ CFM PER $100 \mathrm{ft}^{2}$ OF CONDITIONED FLOOR AREA OR |
| :---: | :---: |
| - TOTAL LEAKAGE $=\leq 12$ CFM PER $100 \mathrm{ft}^{2}$ OF CONDITIONED FLOOR AREA |  |
| EXCEPTIONS: DUCTTTGHTVESS TESTIS NOT REQUIREDIF THEAIR HANDLER ANO ALL DUCTS ARELOCATED WITHIN CONODITIONED SPACE. |  |
| RECESSED LIGHTING | RECESSED LIGHTING FIXTURES MUST BE ICAT (iNSULATION CONTACT AIR TIGHT) RATED |
| (NOTE: THE JOINT BETWEEN THE EDGE Of THEICAT FIXTURE AND THE SHEETROCK MUST BE SEALED WITH CAULKING) |  |
|  |  |
| VENTILATION, | TOUCHSTONEENERGYHOME |
|  |  |
| ATTIC VENTILATION | MINIMUM ATTIC VENTILATION SHOULD BE ONE SQUARE FOOT PER $150 \mathrm{ft}^{2}$ CEILING AREA |
| MECHANICAL VENTILATION | OUTDOOR AIR INTAKES AND EXHAUST SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN THE SYSTEM IS NOT OPERATING |



| HVAC | MUST MEET ENERGY STAR GUIDELINES |
| :---: | :---: |
|  | AIR SOURCE HEAT PUMPS 14 SEER/8.0 HSPF |
|  | GROUND SOURCE HEAT PUMP 16.1 EER/3.5 COP |
| WATER HEATING | ELECTRIC STORAGE TANK WATER HEATER (REQUIRED) |
|  | ENERGY FACTOR RATING > 90 |
|  | ALL PIPING CARRYING WATER ABOVE 105 DEGREE F, SHALL BE INSULATED TO A MINIMUM OF R-3 |
|  | HOT WATER CIRCULATING SYSTEMS ARE PROHIBITED |

[^5]
## Simple Saver



Your opportunity to save on your energy costs and make a positive difference for the environment.

The SimpleSaver program is another way that Touchstone Energy Cooperatives of Kentucky are working to keep your electricity affordable and our environment healthy. We pay you up to $\$ 30$ yearly to allow us to briefly control your central air conditioner and/or your water heater during periods of peak energy demand. That may not sound like a lot of money, but consider that the program costs you nothing: no effort, no inconvenience and no discomfort. Why are we wiling to pay you?

Because limiting elecric use at peak times during the summer and winter delays the construction of expensive new power plants and helps to keep our fuel costs down which helps keep your energy costs affordable Managing peak load aiso decreases Kentucky's carbon footprint and gives all of us more time to explore affordable sources of renewable energy.

With SimpleSaver, you benefit, your co-op benefits and the environment benefits, to sign up, just click on the signup button or call 1-800-305-5493.


## Together We Save



## Energy Efficiency

## Residential Calculator

An online calculator to show how how much you can save.


## Energy Reference

The National Touchstone Energy Home Reference Library. Energy sawing building guidelines referenced in these pages are representative of national guidelines or practices, and will vary by your home's geographic location.


## Simple Sawings Tips

Making your home more energy efficient doesn't have to be expensive and time consuming. Download these how-to guides in PDF format to learn easy ways to not only save money and energy, but also to create a more comfortable, healthy place to live.

Together We Save
What can you do? Take one step at a time. Choose an energy savings practice to see how the little things add up.

## Residential Calculator

## OWEN Electric:




Welcome to the
Home Energy Calculator ${ }^{\text {m" }}$
Learn More About Your Home's Energy Use!
View useful details aboui your estimated usage, seasonal factors, and cost-saving recommendations. The Home Eincruc Calculator is free and will take less than 10 minutes to complete.
Paxible

I am interested in viewing or printing a comprehensive report of ny energy usage!
Or select a specific question below

Why are my energy costs diferent from last month of last year?
Where ate my encrgyours going?
What are some no-cost or low-cost recommendations for my home to tower my energy costs?
What are some long-terminvestments i can make in my home to lower my energy costs?
6xthect
falke to run a custom scenano


## Energy Reference

Residential Library

## Search

Contents
Existing Homes
Hew Home Construction
Ontcoorliwing
FAOS

## Existing Homes

## Heamg <br> Coolng

Mater Heating
Energy Audits mprovenerits Eill info
meters
lyodern Living
insubation
Eedroom
Laundry
Kitehens
Fower Quallt
Fentilation
Fundamentels


## Simple Savings Tips

## Simplesavings Energy Efficiency

Residential Commercial Videos
Making your home more energy efficient doesn't have to be expensive and time consuming. Download these how-to guides in PDF format to learn easy ways to not only save money and energy, but also to create a more comfortable healthy place to live. If you have questions, need assistance or would like to request a free home energy audit, call your local energy advisor.

## Residential Tips

Atto Dechary
Improperly installed attic decking can render the insulation ineffective and lowers the energy-efficiency of your home.

Atic Latch
A home's attic access is an area where poor insulation and improper sealing often cause air leaks that make you hot in the summer and cold in the winter - - and your electric bill higher.

Atic lamation
Proper attic insulation is critical to your home's energy efficiency, A well-insulated atic keeps warm air out in the summer and inside in the winter.

Ater Vemblation
In hot weather: proper ventilation reduces attic temperatures, which saves on cooling costs and lengthens the iffe of your roof.

## Simple Savings Tips (continued)

Atik puildomstrs
If pull-down stairs aren't properly sealed, extreme heat or cold from the attic can make its way into the living space below.

Bestnents
It's common to lose up to 30 percent of your home's heat through the basement. Three key improvements can create effective air barriers in your basement.

Cohareats
Adding insulation in the attic won't stop energy loss in your home -- unless you stop air leaks in the ceilings first. Common problem spots include recessed lights, batiroom fans, chimneys and pull-down attic stairs.

Crowspace
Insulating your home's crawl space can greatly reduce energy loss.
Gue Ways
A knee wall is any wall that is adjacent to the attic. Without a proper seal in addition to insulation, the extreme heat and cold of your attic can seep through the knee wall into your living space.

Knee Wan Doas
Adding weather-stripping to the knee wall door is an easy first step to sealing the wall and keeping attic heat or cold from entering your liring space.

Sedine Duchum
By eliminating air leakage in the ductwork, your home's heating and air conditioning system can work more efficiently with decreased run time -- your utility bills go down, the air quality goes up and the equipment will last longer.

Wecher-5tip Doos
Weather-stripping doors can dramatically increase your home's energy efficiency and stop those chilly drafts.
Whole Fowe Fan
A whole house fan is a simple and inexpensive way to cool your home -- just make sure to seal it properly

Making your business more energy efficient doesn't have to be expensive and time consuming. Download these how-to guides in PDF format to learn easy ways to not only save money and energy: but also to create a more comfortable, healthy place to live. If you have questions, need assistance or would like to request a free home energy audit, call your local energy advisor.

## Commercial Tips


A cross reference between compact fluorescent lamps and incandescent lamps.
Schools
Energy savings tips for schools.
Clurches
Energy savings tips for churches
Conventenor Stores
Energy saxings tips for convenience stores.
Motels
Energy savings tips for motels.
Ofices to Smal Busimeses
Energy savings tips for offices and small businesses
Poutry Grovars
Energy savings tips for poultry growers.
Retawnis
Energy savings tips for restaurants.

## Usage Audit



OWEN Electic


## Energy Analysis Request

About Us
Memberlnfo Customer Central Eusiness Cemter Community Nens Kids Zone Account Login Contactue


## Energy Analysis Request

We will do a Home Energy Analysis on your home and it's absolutely FREE! You have nothing to lose, except higher heating and cooling bills. We're talking about doing a Home Energy Analysis on your house - old or new- and then recommending what can be done to make it more comfortable and less expensive to heat and cool.

We'll send a representative to your home, check it out thoroughly, and recommend practical improvements that can be done to "weatherize" it for winter and summer. And if you're the do-it-yourself type, we'll suggest the materials you'll need to complete the job.

There's no obligation. Our only interests are saving you money while providing you the comfort you expect. We want you to have the energy you need, and to use it wisely. After all, electricity is too good to waste.

The Home Energy Analysis is available to any of Owen Electric's members. To apply, all you need to do is fill out the form below. . We'll do the rest.

* Account Name(Last, First,M1):
: Account No.:
** Phone No.(Home):
Phone No.(Work):
* E-mail Address:
.


# Item No 87 <br> Page 1 of 1 <br> Witness: Michael Cobb <br> OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

Question:

Please identify and provide a detailed narrative of each potential DSM and/or conservation program Owen contemplates if its proposed rate structures are approved.

Response:
New and potential DSM and energy conservation programs are under constant review. As barriers, such as technology, rate design, and member acceptance and participation are overcome, Owen will engage in research and development and pilot projects to ensure that new programs deliver meaningful results. Some of the potential programs that Owen is presently watching with interest include prepaid metering, critical peak pricing, energy efficiency improvements on-bill financing, and smart home and smart grid developments.

Item No 88
Page 1 of 1
Witness: Mark Stallons

## OWEN ELECTRIC COOPERATIVE

 CASE NO. 2011-00037RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

## Question:

If Owen's rate design proposals are adopted, is it Owen's position that this will likely develop unique DSM and/or conservation programs that have not been proposed or contemplated by any other electric utility in the United States; i.e., are innovative to the industry? If yes, please explain and identify such possibilities.

## Response:

Owen will continue to pursue prudent DSM and/or conservation programs in the future. See response to question 87 .

With regard to the Prepared Testimony of Mr. Stallons (Exhibit 7a of the Application), please provide all studies, reports, data, analyses, etc. that support the following:
a. Question:
at Page 9, the statement that a lower customer charge combined with a higher energy charge would not benefit most fixed and low income members;
a. Response:

Refer to attachment in question 43 for study results.
b. Question:
at Page 10, the statement that low-usage members typically reflect sporadic usage; and,
b. Response:

The statement was referring to seasonal usage accounts and was based on personal observation and experience.
c. Question:
at Page 21, Q31, the statement that economic financial stress, rising fuel costs, environmental compliance costs, and etc. are currently so onerous as to put Owen in financial peril when compared to other historic periods; i.e., what is so different now than has been tlle case with such influences on Owen in the past?
c. Response:

Historically, the wholesale power cost was low and the members' response was to use more energy, as shown by our historical growth in kWh sales. Given the current environment with member financial stress resulting from the great recession, rising fuel costs, environmental compliance costs, etc, as evidenced by the recent filings at the Public Service Commission of the six major regulated power suppliers in the state, we expect wholesale power costs to increase dramatically.

Given Owen's business model whereby our members are our owners and elect our board of directors, in 2009 Owen's board and executive team determined that it was necessary to develop a strategy to protect our high member satisfaction ratings. Our strategic response was defined in our 2009 rate case and was supported by the Public Service Commission. Please refer to exhibit 15 of our rate filing for a power point describing our strategy.

The financial peril to the cooperative is to do nothing as member bills rise to a level where our members do not believe they are affordable. Given high bills our members may decide to reduce their usage, negatively affecting our ability to recover our consumer related costs and placing our financial stability at risk. Likewise, if we are perceived as being indifferent to our members' ability to afford their energy consumption, our member satisfaction will be at risk as well. Hence a proactive strategy is called for where we get ahead of the pending increase in energy bills and develop services to help our members manage their bill. Should the increase in power bills not occur, the transition to helping our members manage their bills remains a worthy and laudable goal.

# OWEN ELECTRIC COOPERATIVE CASE NO. 2011-00037 <br> RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST 

## QUESTION:

Please provide a copy of the most recent CFC Trend Report for Owen

## RESPONSE:

See attached.


Owen Electric Cooperative, Inc. KY037
2010 Key Ratio Trend Analysis (KRTA)
Owen Electric Cooperative, Inc. (KY037) $\quad$ fage 3 if 24 plge 1

|  |  | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | System Value | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |


| RATIO | VERAGE T | ONSUMERS | ERV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | 55,141 | 12,605 | 818 | 63 | 27,008 | 23 | 3 | 48,234 | 53 | 10 | 24,676 | 16 | 2 | 25,657 | 68 | 12 |
| 2007 | 56,290 | 12,866 | 819 | 64 | 27,500 | 23 | 3 | 47,971 | 51 | 6 | 24,989 | 16 | 2 | 29,219 | 40 | 10 |
| 2008 | 56,794 | 13,166 | 818 | 64 | 27,866 | 23 | 3 | 48,139 | 51 | 4 | 25,216 | 16 | 2 | 22,296 | 83 | 16 |
| 2009 | 57,223 | 13,220 | 816 | 64 | 27,996 | 23 | 3 | 48,151 | 52 | 4 | 25,373 | 16 | 2 | 19,897 | 131 | 20 |
| 2010 | 57,478 | 13,250 | 815 | 65 | 28,267 | 23 | 3 | 48,454 | 53 | 4 | 25,346 | 16 | 2 | 15,666 | 121 | 15 |
| RATIO 2 --- TOTAL KWH SOLD $(1,000)$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 2,076,642 | 250,709 | 818 | 26 | 630,211 | 23 | 2 | 976,446 | 53 | 2 | 498,633 | 16 | 1 | 415,674 | 68 | 4 |
| 2007 | 2,167,799 | 267,135 | 819 | 26 | 681,409 | 23 | 2 | 990,563 | 51 | 2 | 531,306 | 16 | 1 | 495,090 | 40 | 3 |
| 2008 | 2,146,727 | 276,164 | 818 | 27 | 677,877 | 23 | 2 | 991,414 | 51 | 2 | 516,268 | 16 | 1 | 456,395 | 83 | 7 |
| 2009 | 2,005,381 | 273,002 | 816 | 30 | 621,283 | 23 | 2 | 932,958 | 52 | 2 | 513,364 | 16 | 1 | 413,952 | 131 | 12 |
| 2010 | 2,174,225 | 284,611 | 815 | 28 | 683,481 | 23 | 2 | 1,044,324 | 53 | 2 | 531,490 | 16 | 1 | 312,681 | 121 | 5 |
| RATIO 3 --- TOTAL UTILITY PLANT ( 1,000 ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 173,365.64 | 52,313.13 | 819 | 88 | 84,022.86 | 23 | 4 | 177,648.57 | 53 | 30 | 77,543.52 | 16 | 2 | 83,017.49 | 68 | 19 |
| 2007 | 187,716.19 | 56,418.34 | 820 | 87 | 87,754.33 | 23 | 3 | 184,075.47 | 51 | 25 | 80,960.94 | 16 | 1 | 105,433.71 | 40 | 11 |
| 2008 | 198,336.12 | 59,850.53 | 819 | 89 | 91,695.24 | 23 | 3 | 189,002.21 | 51 | 23 | 84,669.24 | 16 | 1 | 92,801.64 | 84 | 20 |
| 2009 | 207,873.25 | 63,199.26 | 817 | 88 | 95,538.89 | 23 | 3 | 193,571.90 | 52 | 22 | 88,428.18 | 16 | 1 | 85,333.17 | 131 | 27 |
| 2010 | 217,086.97 | 66,306.87 | 816 | 89 | 100,937.60 | 23 | 3 | 201,381.56 | 53 | 24 | 93,364.00 | 16 | 1 | 67,474.01 | 121 | 19 |
| RATIO 4 --- TOTAL NUMBER OF EMPLOYEES (FULL TIME ONLY) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 135 | 46 | 815 | 90 | 71 | 23 | 4 | 139 | 53 | 33 | 59 | 16 | 2 | 68 | 68 | 17 |
| 2007 | 138 | 46 | 819 | 86 | 68 | 23 | 4 | 138 | 51 | 25 | 61 | 16 | 2 | 84 | 40 | 10 |
| 2008 | 145 | 47 | 818 | 80 | 69 | 23 | 4 | 136 | 51 | 19 | 60 | 16 | 2 | 75 | 83 | 15 |
| 2009 | 136 | 48 | 816 | 94 | 66 | 23 | 4 | 136 | 52 | 27 | 59 | 16 | 2 | 58 | 131 | 26 |
| 2010 | 134 | 47 | 815 | 96 | 66 | 23 | 4 | 135 | 53 | 29 | 60 | 16 | 2 | 52 | 121 | 20 |
| RATIO 5 --- TOTAL MILES OF LINE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 4,400 | 2,536 | 816 | 155 | 3,456 | 23 | 7 | 5,165 | 53 | 37 | 3,296 | 16 | 4 | 2,812 | 68 | 23 |
| 2007 | 4,428 | 2,550 | 819 | 155 | 3,483 | 23 | 7 | 5,245 | 51 | 36 | 3,316 | 16 | 4 | 3,196 | 40 | 14 |
| 2008 | 4,451 | 2,579 | 818 | 159 | 3,506 | 23 | 7 | 5,275 | 51 | 37 | 3,337 | 16 | 4 | 2,975 | 83 | 32 |
| 2009 | 4,486 | 2,594 | 816 | 158 | 3,517 | 23 | 7 | 5,312 | 52 | 37 | 3,350 | 16 | 4 | 3,197 | 131 | 45 |
| 2010 | 4,493 | 2,595 | 815 | 159 | 3,537 | 23 | 7 | 5,314 | 53 | 36 | 3,367 | 16 | 4 | 2,695 | 121 | 29 |

## FINANCIAL (RATIOS 6-32)

## RATIO 6 --- TIER

| 2006 | 1.28 | 2.29 | 819 | 759 | 1.29 | 23 | 13 | 2.15 | 53 | 47 | 1.27 | 16 | 8 | 2.25 | 68 | 64 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | 0.78 | 2.24 | 820 | 813 | 1.32 | 23 | 20 | 2.07 | 51 | 50 | 1.25 | 16 | 13 | 2.07 | 40 | 40 |
| 2008 | 1.52 | 2.27 | 819 | 697 | 1.48 | 23 | 11 | 2.05 | 51 | 39 | 1.47 | 16 | 8 | 2.14 | 84 | 71 |
| 2009 | 2.17 | 2.30 | 817 | 461 | 2.17 | 23 | 12 | 2.02 | 52 | 20 | 2.23 | 16 | 11 | 2.23 | 131 | 70 |
| 2010 | 2.77 | 2.45 | 816 | 325 | 2.63 | 23 | 11 | 2.08 | 53 | 14 | 2.70 | 16 | 8 | 2.48 | 121 | 50 |















|  | System Value | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year |  | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |
| RATIO 90 ---- POWER COST AS A \% OF REVENUE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 79.44 | 61.44 | 819 | 16 | 73.86 | 23 | 3 | 67.71 | 53 | 3 | 74.06 | 16 | 2 | 62.12 | 68 | 2 |
| 2007 | 80.98 | 61.78 | 820 | 10 | 73.36 | 23 | 3 | 67.15 | 51 | 2 | 74.52 | 16 | 2 | 65.20 | 40 | 1 |
| 2008 | 81.04 | 63.10 | 819 | 14 | 75.24 | 23 | 3 | 66.69 | 51 | 3 | 75.67 | 16 | 2 | 65.47 | 84 | 1 |
| 2009 | 77.60 | 62.30 | 817 | 26 | 72.08 | 23 | 3 | 67.58 | 52 | 2 | 72.59 | 16 | 2 | 63.10 | 131 | 6 |
| 2010 | 77.50 | 62.54 | 816 | 31 | 72.12 | 23 | 4 | 68.51 | 53 | 5 | 72.32 | 16 | 3 | 62.27 | 121 | 7 |
| RATIO 91 --- LONG-TERM INTEREST COST PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 1.67 | 4.70 | 813 | 719 | 3.76 | 23 | 21 | 3.95 | 53 | 49 | 4.02 | 16 | 16 | 4.83 | 68 | 63 |
| 2007 | 1.76 | 4.87 | 813 | 723 | 3.68 | 22 | 21 | 4.39 | 51 | 47 | 3.80 | 16 | 16 | 5.45 | 39 | 39 |
| 2008 | 2.00 | 4.89 | 811 | 710 | 3.64 | 22 | 19 | 4.98 | 51 | 47 | 3.69 | 16 | 14 | 4.62 | 83 | 74 |
| 2009 | 2.28 | 5.16 | 809 | 693 | 3.80 | 23 | 18 | 5.12 | 52 | 47 | 3.88 | 16 | 13 | 5.09 | 130 | 118 |
| 2010 | 2.08 | 4.97 | 807 | 702 | 3.56 | 23 | 18 | 4.63 | 53 | 49 | 3.71 | 16 | 13 | 4.93 | 120 | 109 |
| RATIO $92-$--- LONG-TERM INTEREST COST AS A \% OFTUP |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 2.01 | 2.17 | 813 | 484 | 2.50 | 23 | 19 | 2.37 | 53 | 38 | 2.83 | 16 | 15 | 2.37 | 68 | 52 |
| 2007 | 2.04 | 2.22 | 813 | 491 | 2.66 | 22 | 19 | 2.49 | 51 | 37 | 2.74 | 16 | 15 | 2.56 | 39 | 32 |
| 2008 | 2.17 | 2.22 | 811 | 428 | 2.47 | 22 | 15 | 2.48 | 51 | 36 | 2.47 | 16 | 12 | 2.35 | 83 | 53 |
| 2009 | 2.20 | 2.19 | 809 | 400 | 2.20 | 23 | 13 | 2.40 | 52 | 34 | 2.36 | 16 | 10 | 2.28 | 130 | 75 |
| 2010 | 2.09 | 2.12 | 807 | 423 | 2.09 | 23 | 12 | 2.32 | 53 | 34 | 2.26 | 16 | 10 | 2.18 | 120 | 67 |
| RATIO 93 --- LONG-TERM INTEREST COST PER CONSUMER (\$) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 63.08 | 90.40 | 813 | 615 | 76.06 | 23 | 19 | 79.43 | 53 | 39 | 77.99 | 16 | 14 | 86.87 | 68 | 54 |
| 2007 | 67.93 | 95.42 | 813 | 617 | 81.58 | 22 | 18 | 90.79 | 51 | 37 | 84.96 | 16 | 14 | 96.19 | 39 | 36 |
| 2008 | 75.63 | 99.79 | 811 | 579 | 79.82 | 22 | 16 | 97.62 | 51 | 36 | 79.01 | 16 | 11 | 99.16 | 83 | 58 |
| 2009 | 79.78 | 102.64 | 809 | 565 | 79.78 | 23 | 12 | 100.03 | 52 | 34 | 79.08 | 16 | 8 | 107.16 | 130 | 98 |
| 2010 | 78.81 | 102.90 | 807 | 571 | 76.59 | 23 | 10 | 96.67 | 53 | 38 | 77.70 | 16 | 8 | 102.43 | 120 | 92 |
| RATIO 94 --- DEPRECIATION EXPENSE PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 3.55 | 6.14 | 818 | 758 | 4.30 | 23 | 19 | 5.01 | 53 | 51 | 4.41 | 16 | 13 | 5.93 | 68 | 65 |
| 2007 | 4.45 | 6.24 | 819 | 664 | 4.57 | 23 | 13 | 5.22 | 51 | 37 | 4.58 | 16 | 10 | 5.36 | 40 | 36 |
| 2008 | 4.06 | 6.42 | 818 | 732 | 4.56 | 23 | 18 | 5.53 | 51 | 47 | 4.64 | 16 | 12 | 5.85 | 83 | 79 |
| 2009 | 4.61 | 6.81 | 816 | 708 | 5.19 | 23 | 16 | 5.95 | 52 | 47 | 5.02 | 16 | 11 | 6.81 | 131 | 116 |
| 2010 | 4.46 | 6.88 | 815 | 720 | 5.04 | 23 | 16 | 5.90 | 53 | 46 | 4.78 | 16 | 11 | 6.86 | 121 | 103 |
| RATIO 95 --- DEPRECIATION EXPENSE AS A \% OF TUP |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 4.25 | 2.84 | 819 | 10 | 3.12 | 23 | 2 | 2.91 | 53 | 2 | 3.15 | 16 | 2 | 2.83 | 68 | 1 |
| 2007 | 5.14 | 2.83 | 820 | 4 | 3.20 | 23 | 1 | 2.92 | 51 | 1 | 3.16 | 16 | 1 | 2.77 | 40 | 1 |
| 2008 | 4.40 | 2.83 | 819 | 6 | 3.26 | 23 | 1 | 2.94 | 51 | 1 | 3.18 | 16 | 1 | 2.84 | 84 | 1 |
| 2009 | 4.45 | 2.86 | 817 | 5 | 3.27 | 23 | 1 | 2.94 | 52 | 1 | 3.40 | 16 | 1 | 2.88 | 131 | 1 |
| 2010 | 4.47 | 2.87 | 816 | 6 | 3.34 | 23 | 1 | 2.99 | 53 | 1 | 3.37 | 16 | 1 | 2.87 | 121 | 1 |


| 06/27/2011 |  |  |  |  | $\text { Item } 90$ |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 2010 Key Ratio Trend Analysis (KRTA) Owen Electric Cooperative, Inc. (KY037) |  |  |  |  |  | $\text { Puge Mof } 24 \text { Page } 15$ |  |  |  |  |  |
|  |  | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| Year | System Value | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |
| RATIO 96 ---- DEPRECIATION EXPENSE PER CONSUMER (\$) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 133.75 | 118.22 | 818 | 290 | 100.11 | 23 | 1 | 106.72 | 53 | 6 | 98.02 | 16 | 1 | 105.88 | 68 | 12 |
| 2007 | 171.55 | 122.76 | 819 | 137 | 105.11 | 23 | 1 | 110.67 | 51 | 3 | 104.86 | 16 | 1 | 114.83 | 40 | 4 |
| 2008 | 153.65 | 129.84 | 818 | 244 | 109.77 | 23 | 1 | 115.16 | 51 | 5 | 106.04 | 16 | 1 | 130.59 | 83 | 22 |
| 2009 | 161.72 | 135.05 | 816 | 243 | 116.87 | 23 | 1 | 120.34 | 52 | 5 | 114.90 | 16 | 1 | 134.43 | 131 | 33 |
| 2010 | 168.87 | 141.53 | 815 | 241 | 122.40 | 23 | 2 | 125.72 | 53 | 7 | 120.38 | 16 | 2 | 139.14 | 121 | 36 |
| RATIO 97 --- ACCUMULATIVE DEPRECIATION AS A \% OF PLANT IN SERVICE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 32.67 | 31.40 | 819 | 347 | 24.92 | 23 | 5 | 27.29 | 53 | 11 | 24.51 | 16 | 3 | 26.21 | 68 | 17 |
| 2007 | 33.19 | 31.12 | 820 | 321 | 24.84 | 23 | 5 | 27.35 | 51 | 11 | 23.68 | 16 | 3 | 27.05 | 40 | 7 |
| 2008 | 35.34 | 30.85 | 819 | 240 | 25.64 | 23 | 5 | 26.91 | 51 | 9 | 24.32 | 16 | 3 | 26.55 | 84 | 12 |
| 2009 | 37.20 | 30.88 | 817 | 184 | 26.90 | 23 | 3 | 28.05 | 52 | 8 | 25.63 | 16 | 2 | 27.68 | 131 | 14 |
| 2010 | 39.37 | 31.07 | 816 | 146 | 27.89 | 23 | 3 | 28.20 | 53 | 6 | 26.62 | 16 | 2 | 29.57 | 121 | 9 |
| RATIO 98 --- TOTAL TAX EXPENSE PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 0.06 | 0.94 | 590 | 477 | 0.08 | 22 | 19 | 0.62 | 44 | 35 | 0.08 | 15 | 13 | 1.30 | 48 | 40 |
| 2007 | 0.06 | 0.94 | 592 | 486 | 0.08 | 22 | 20 | 0.50 | 41 | 31 | 0.08 | 15 | 14 | 1.08 | 26 | 25 |
| 2008 | 0.06 | 1.04 | 590 | 479 | 0.09 | 22 | 19 | 0.50 | 39 | 30 | 0.08 | 15 | 13 | 1.30 | 57 | 46 |
| 2009 | 0.07 | 1.00 | 595 | 473 | 0.09 | 22 | 20 | 0.50 | 39 | 29 | 0.09 | 15 | 14 | 1.10 | 95 | 78 |
| 2010 | 0.10 | 1.00 | 591 | 441 | 0.09 | 22 | 7 | 0.73 | 38 | 27 | 0.09 | 15 | 3 | 1.00 | 82 | 61 |
| RATIO 99 --- TOTAL TAX EXPENSE AS A \% OF TUP |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 0.07 | 0.43 | 591 | 421 | 0.05 | 22 | 8 | 0.36 | 44 | 31 | 0.05 | 15 | 3 | 0.65 | 48 | 38 |
| 2007 | 0.07 | 0.43 | 593 | 425 | 0.06 | 22 | 9 | 0.25 | 41 | 29 | 0.05 | 15 | 4 | 0.48 | 26 | 22 |
| 2008 | 0.07 | 0.43 | 591 | 422 | 0.06 | 22 | 10 | 0.26 | 39 | 27 | 0.06 | 15 | 5 | 0.45 | 58 | 45 |
| 2009 | 0.07 | 0.42 | 596 | 414 | 0.06 | 22 | 8 | 0.23 | 39 | 26 | 0.05 | 15 | 3 | 0.47 | 95 | 72 |
| 2010 | 0.11 | 0.41 | 592 | 388 | 0.06 | 22 | 7 | 0.37 | 38 | 26 | 0.05 | 15 | 2 | 0.40 | 82 | 56 |
| RATIO 100 ---TOTAL TAX EXPENSE PER CONSUMER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | $2.25$ | 18.78 | 590 | 442 | 1.59 | 22 | 7 | 15.08 | 44 | 32 | 1.55 | 15 | 2 | 22.12 | 48 | 38 |
| 2007 | 2.29 | 19.20 | 592 | 446 | 1.73 | 22 | 9 | 15.27 | 41 | 29 | 1.68 | 15 | 4 | 20.27 | 26 | 22 |
| 2008 | 2.35 | 20.10 | 590 | 442 | 1.78 | 22 | 8 | 15.33 | 39 | 26 | 1.77 | 15 | 3 | 22.51 | 57 | 44 |
| 2009 | 2.42 | 21.14 | 595 | 439 | 1.77 | 22 | 8 | 10.69 | 39 | 26 | 1.73 | 15 | 3 | 21.66 | 95 | 75 |
| 2010 | 3.97 | 22.00 | 591 | 408 | 1.92 | 22 | 7 | 18.53 | 38 | 27 | 1.85 | 15 | 2 | 22.02 | 82 | 59 |
| RATIO 101 ---TOTAL FIXED EXPENSES PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 55.03 | 67.45 | 818 | 597 | 65.12 | 23 | 20 | 69.23 | 53 | 51 | 65.04 | 16 | 16 | 69.08 | 68 | 60 |
| 2007 | 60.12 | 69.51 | 819 | 563 | 69.25 | 23 | 20 | 70.51 | 51 | 45 | 70.17 | 16 | 16 | 78.49 | 40 | 36 |
| 2008 | 62.90 | 75.14 | 818 | 589 | 75.44 | 23 | 20 | 78.33 | 51 | 46 | 75.44 | 16 | 16 | 75.44 | 83 | 63 |
| 2009 | 61.99 | 78.14 | 816 | 634 | 77.62 | 23 | 20 | 82.08 | 52 | 47 | 77.36 | 16 | 16 | 76.23 | 131 | 102 |
| 2010 | 62.42 | 79.00 | 815 | 675 | 77.53 | 23 | 20 | 80.73 | 53 | 48 | 77.04 | 16 | 16 | 75.74 | 121 | 93 |


| Year | System Value | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |
| RATIO 102 --- TOTAL FIXED EXPENSES PER CONSUMER (\$) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 2,072.44 | 1,293.88 | 818 | 85 | 1,382.05 | 23 | 3 | 1,412.40 | 53 | 5 | 1,344.45 | 16 | 2 | 1,212.69 | 68 | 5 |
| 2007 | 2,315.42 | 1,358.70 | 819 | 73 | 1,499.54 | 23 | 3 | 1,483.71 | 51 | 4 | 1,495.19 | 16 | 2 | 1,376.86 | 40 | 4 |
| 2008 | 2,377.59 | 1,464.63 | 818 | 95 | 1,612.89 | 23 | 3 | 1,607.64 | 51 | 6 | 1,546.75 | 16 | 2 | 1,565.76 | 83 | 8 |
| 2009 | 2,172.40 | 1,513.63 | 816 | 116 | 1,570.79 | 23 | 4 | 1,630.82 | 52 | 6 | 1,513.13 | 16 | 2 | 1,528.59 | 131 | 17 |
| 2010 | 2,360.99 | 1,601.50 | 815 | 111 | 1,696.44 | 23 | 4 | 1,719.59 | 53 | 6 | 1,613.24 | 16 | 2 | 1,590.03 | 121 | 17 |


| RATIO | TAL OP | EXPENS | PE | TAL | D (MILL |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | 7.09 | 18.66 | 818 | 804 | 13.54 | 23 | 22 | 15.33 | 53 | 52 | 13.02 | 16 | 16 | 19.38 | 68 | 66 |
| 2007 | 6.48 | 19.04 | 819 | 807 | 12.77 | 23 | 22 | 16.27 | 51 | 50 | 12.66 | 16 | 16 | 17.11 | 40 | 40 |
| 2008 | 7.04 | 19.60 | 818 | 807 | 13.83 | 23 | 22 | 17.23 | 51 | 50 | 13.29 | 16 | 16 | 17.59 | 83 | 83 |
| 2009 | 7.98 | 20.27 | 816 | 803 | 14.73 | 23 | 22 | 18.02 | 52 | 51 | 14.44 | 16 | 16 | 19.71 | 131 | 131 |
| 2010 | 7.72 | 20.31 | 815 | 797 | 13.99 | 23 | 22 | 17.14 | 53 | 52 | 14.27 | 16 | 16 | 20.49 | 121 | 119 |
| RATIO 104 --- TOTAL OPERATING EXPENSES PER CONSUMER (\$) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 267.15 | 361.64 | 818 | 714 | 271.63 | 23 | 13 | 302.87 | 53 | 41 | 265.57 | 16 | 8 | 321.28 | 68 | 48 |
| 2007 | 249.72 | 372.38 | 819 | 764 | 272.83 | 23 | 20 | 310.03 | 51 | 44 | 260.54 | 16 | 13 | 320.31 | 40 | 30 |
| 2008 | 266.25 | 391.92 | 818 | 756 | 290.93 | 23 | 18 | 334.44 | 51 | 45 | 280.22 | 16 | 11 | 368.02 | 83 | 77 |
| 2009 | 279.75 | 403.19 | 816 | 750 | 315.34 | 23 | 18 | 345.00 | 52 | 46 | 302.80 | 16 | 12 | 389.08 | 131 | 120 |
| 2010 | 291.94 | 422.47 | 815 | 747 | 317.65 | 23 | 18 | 348.07 | 53 | 43 | 315.99 | 16 | 12 | 428.36 | 121 | 112 |
| RATIO 105 --- TOTAL COST OF SERVICE (MINUS POWER COSTS) PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 12.57 | 30.71 | 818 | 799 | 22.27 | 23 | 22 | 26.47 | 53 | 52 | 21.35 | 16 | 16 | 32.25 | 68 | 66 |
| 2007 | 13.19 | 31.33 | 819 | 795 | 21.84 | 23 | 21 | 27.66 | 51 | 50 | 21.92 | 16 | 15 | 29.76 | 40 | 40 |
| 2008 | 13.42 | 32.38 | 818 | 797 | 22.67 | 23 | 21 | 29.96 | 51 | 50 | 22.21 | 16 | 15 | 29.41 | 83 | 83 |
| 2009 | 15.12 | 34.03 | 816 | 792 | 24.37 | 23 | 21 | 30.49 | 52 | 51 | 24.21 | 16 | 15 | 33.84 | 131 | 126 |
| 2010 | 14.51 | 33.59 | 815 | 790 | 23.60 | 23 | 21 | 30.33 | 53 | 52 | 23.59 | 16 | 15 | 33.28 | 121 | 116 |
| RATIO 106 --- TOTAL COST OF ELECTRIC SERVICE PER TOTAL KWH SOLD (MILLS) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 62.12 | 85.45 | 818 | 740 | 78.50 | 23 | 21 | 84.35 | 53 | 51 | 78.53 | 16 | 16 | 88.64 | 68 | 66 |
| 2007 | 66.61 | 88.09 | 819 | 710 | 81.75 | 23 | 20 | 86.65 | 51 | 49 | 82.70 | 16 | 16 | 93.81 | 40 | 38 |
| 2008 | 69.95 | 94.48 | 818 | 721 | 88.93 | 23 | 20 | 95.67 | 51 | 50 | 89.08 | 16 | 16 | 90.48 | 83 | 75 |
| 2009 | 69.97 | 97.39 | 816 | 739 | 92.88 | 23 | 21 | 99.29 | 52 | 51 | 91.84 | 16 | 16 | 96.30 | 131 | 118 |
| 2010 | 70.13 | 98.46 | 815 | 751 | 91.53 | 23 | 20 | 98.39 | 53 | 52 | 91.97 | 16 | 16 | 97.06 | 121 | 112 |
| RATIO 107 --- TOTAL COST OF ELECTRIC SERVICE PER CONSUMER (\$) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 2,339.59 | 1,654.67 | 818 | 113 | 1,596.14 | 23 | 3 | 1,737.92 | 53 | 6 | 1,581.90 | 16 | 2 | 1,521.72 | 68 | 6 |
| 2007 | 2,565.14 | 1,723.68 | 819 | 98 | 1,758.26 | 23 | 3 | 1,828.35 | 51 | 4 | 1,733.81 | 16 | 2 | 1,673.45 | 40 | 4 |
| 2008 | 2,643.84 | 1,865.47 | 818 | 130 | 1,879.58 | 23 | 4 | 1,936.98 | 51 | 7 | 1,847.68 | 16 | 2 | 1,921.52 | 83 | 8 |
| 2009 | 2,452.15 | 1,912.47 | 816 | 163 | 1,855.45 | 23 | 5 | 1,971.89 | 52 | 7 | 1,830.89 | 16 | 2 | 1,934.58 | 131 | 25 |
| 2010 | 2,652.93 | 2,023.01 | 815 | 141 | 1,968.13 | 23 | 4 | 2,085.81 | 53 | 7 | 1,960.94 | 16 | 2 | 2,018.36 | 121 | 22 |




|  |  | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | System Value | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |

## GROWTH (RATIOS 114-121)

| RATIO $114-$ ANNUAL GROWTH IN KWH SOLD (\%) |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| 2006 | 1.18 | 1.78 | 817 | 456 |
| 2007 | 4.39 | 3.70 | 815 | 341 |
| 2008 | -0.97 | 1.22 | 817 | 628 |
| 2009 | -6.58 | -1.06 | 816 | 735 |
| 2010 | 8.42 | 4.80 | 813 | 230 |


| -1.42 | 23 | 4 |
| ---: | ---: | ---: |
| 5.13 | 23 | 16 |
| -0.52 | 23 | 14 |
| -5.56 | 23 | 14 |
| 8.31 | 23 | 10 |


| 2.71 | 53 | 32 |
| ---: | ---: | ---: |
| 4.39 | 51 | 26 |
| 0.37 | 51 | 37 |
| -2.84 | 52 | 43 |
| 8.42 | 53 | 27 |


| -1.51 | 16 | 3 | 2.16 | 68 | 39 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 5.17 | 16 | 12 | 4.19 | 40 | 20 |
| -0.55 | 16 | 10 | 1.33 | 83 | 66 |
| -4.60 | 16 | 13 | -1.47 | 131 | 116 |
| 7.83 | 16 | 5 | 4.01 | 121 | 36 |


| RATIO 115 --- ANNUAL GROWTH IN NUMBER OF CONSUMERS (\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | 2.88 | 1.51 | 817 | 148 | 1.55 | 23 | 3 | 2.31 | 53 | 23 | 1.57 | 16 | 3 | 2.35 | 68 | 27 |
| 2007 | 2.08 | 1.35 | 815 | 226 | 1.12 | 23 | 3 | 2.08 | 51 | 26 | 1.21 | 16 | 3 | 2.53 | 40 | 27 |
| 2008 | 0.90 | 0.99 | 817 | 451 | 0.90 | 23 | 12 | 1.36 | 51 | 39 | 0.97 | 16 | 9 | 1.39 | 83 | 59 |
| 2009 | 0.76 | 0.47 | 816 | 304 | 0.25 | 23 | 6 | 0.62 | 52 | 22 | 0.34 | 16 | 5 | 0.50 | 131 | 46 |
| 2010 | 0.45 | 0.37 | 813 | 365 | 0.15 | 23 | 7 | 0.59 | 53 | 32 | 0.13 | 16 | 5 | 0.42 | 121 | 56 |


| RATIO $116--$ ANNUAL GROWTH IN TUP DOLLARS (\%) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 2006 | 8.65 | 5.60 | 818 | 133 |
| 2007 | 8.28 | 5.72 | 816 | 175 |
| 2008 | 5.66 | 5.23 | 818 | 352 |
| 2009 | 4.81 | 4.40 | 817 | 344 |
| 2010 | 4.43 | 3.92 | 814 | 316 |


| RATIO $117-$-- CONST. W.I.P. TO PLANT ADDITIONS (\%) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 2006 | 40.34 | 24.72 | 793 | 261 |
| 2007 | 15.48 | 25.77 | 809 | 532 |
| 2008 | 36.01 | 27.04 | 810 | 321 |
| 2009 | 31.33 | 27.25 | 808 | 362 |
| 2010 | 51.40 | 30.09 | 808 | 251 |


| RATIO $118-2$ NET NEW SERVICES TO TOTAL SERVICES (\%) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 2006 | 2.77 | 1.58 | 816 | 144 |
| 2007 | 1.99 | 1.36 | 817 | 213 |
| 2008 | 1.72 | 1.06 | 816 | 173 |
| 2009 | 1.48 | 0.66 | 813 | 119 |
| 2010 | 1.04 | 0.56 | 811 | 177 |


| 1.73 | 23 | 2 |
| :--- | :--- | :--- |
| 1.60 | 23 | 5 |
| 1.11 | 23 | 2 |
| 0.92 | 23 | 1 |
| 0.79 | 23 | 4 |


| 2.50 | 53 | 22 |
| :--- | :--- | :--- |
| 1.93 | 51 | 25 |
| 1.36 | 51 | 16 |
| 0.94 | 52 | 13 |
| 0.74 | 53 | 15 |


| 1.84 | 16 | 2 | 2.27 | 68 | 26 |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 1.71 | 16 | 5 | 2.11 | 39 | 26 |
| 1.26 | 16 | 2 | 1.39 | 83 | 29 |
| 0.97 | 16 | 1 | 0.65 | 131 | 20 |
| 0.89 | 16 | 4 | 0.63 | 121 | 34 |


| RATIO 119 --- ANNUAL GROWTH IN TOTAL CAPITALIZATION (\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | 2.57 | 5.12 | 818 | 598 | 4.49 | 23 | 17 | 6.08 | 53 | 45 | 3.35 | 16 | 12 | 7.55 | 68 | 59 |
| 2007 | 6.52 | 5.48 | 816 | 347 | 3.67 | 23 | 7 | 6.73 | 51 | 27 | 3.42 | 16 | 4 | 6.62 | 40 | 22 |
| 2008 | 4.13 | 4.61 | 818 | 442 | 3.39 | 23 | 11 | 4.61 | 51 | 28 | 3.03 | 16 | 7 | 6.67 | 84 | 58 |
| 2009 | 6.83 | 4.11 | 817 | 266 | 4.64 | 23 | 7 | 4.04 | 52 | 15 | 3.71 | 16 | 5 | 5.26 | 131 | 55 |
| 2010 | 2.27 | 4.05 | 814 | 542 | 5.65 | 23 | 20 | 4.09 | 53 | 37 | 6.24 | 16 | 15 | 4.51 | 121 | 88 |






| Year | System Value | US Total |  |  | State Grouping |  |  | Consumer Size |  |  | Major Current Power Supplier |  |  | Plant Growth (2005-2010) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank | Median | NBR | Rank |
| RATIO 141 --- SYSTEM AVG. INTERRUPTION DURATION INDEX (SAIDI) - EXTREME STORM |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 0.62 | 0.21 | 819 | 298 | 0.71 | 23 | 13 | 0.21 | 53 | 21 | 0.10 | 16 | 7 | 0.31 | 68 | 25 |
| 2007 | 1.26 | 0.40 | 820 | 269 | 0.13 | 23 | 2 | 0.22 | 51 | 11 | 0.00 | 16 | 2 | 0.48 | 40 | 14 |
| 2008 | 720.60 | 28.20 | 819 | 61 | 118.20 | 23 | 4 | 65.26 | 51 | 4 | 63.30 | 16 | 1 | 20.85 | 84 | 3 |
| 2009 | 732.00 | 19.83 | 817 | 65 | 2,667.60 | 23 | 19 | 42.37 | 52 | 8 | 2.615.70 | 16 | 14 | 25.20 | 131 | 14 |
| 2010 | 0.00 | 18.79 | 816 | 667 | 14.90 | 23 | 20 | 35.53 | 53 | 46 | 23.51 | 16 | 16 | 31.02 | 121 | 102 |
| RATIO 142 ---- SYSTEM AVG. INTERRUPTION DURATION INDEX (SAIDI) - PREARRANGED |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 0.08 | 0.02 | 819 | 267 | 0.05 | 23 | 9 | 0.03 | 53 | 18 | 0.06 | 16 | 7 | 0.03 | 68 | 20 |
| 2007 | 0.14 | 0.03 | 820 | 197 | 0.06 | 23 | 5 | 0.07 | 51 | 13 | 0.06 | 16 | 4 | 0.03 | 40 | 7 |
| 2008 | 3.00 | 2.34 | 819 | 368 | 3.04 | 23 | 13 | 3.00 | 51 | 27 | 2.64 | 16 | 8 | 2.11 | 84 | 33 |
| 2009 | 7.20 | 2.59 | 817 | 252 | 7.20 | 23 | 12 | 4.72 | 52 | 16 | 8.40 | 16 | 10 | 2.90 | 131 | 41 |
| 2010 | 7.46 | 2.23 | 816 | 211 | 6.15 | 23 | 11 | 3.64 | 53 | 16 | 8.08 | 16 | 9 | 2.82 | 121 | 35 |
| RATIO 143 --- SYSTEM AVG. INTERRUPTION DURATION INDEX (SAIDI) - ALL OTHER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 1.73 | 1.63 | 819 | 381 | 2.29 | 23 | 15 | 1.95 | 53 | 32 | 2.16 | 16 | 11 | 1.87 | 68 | 37 |
| 2007 | 1.77 | 1.62 | 820 | 364 | 1.62 | 23 | 11 | 1.76 | 51 | 25 | 1.68 | 16 | 8 | 1.44 | 40 | 14 |
| 2008 | 97.20 | 99.36 | 819 | 423 | 97.20 | 23 | 12 | 110.60 | 51 | 28 | 96.30 | 16 | 8 | 96.21 | 84 | 41 |
| 2009 | 126.60 | 95.40 | 817 | 291 | 137.60 | 23 | 13 | 117.46 | 52 | 25 | 141.80 | 16 | 10 | 98.40 | 131 | 48 |
| 2010 | 106.52 | 97.35 | 816 | 361 | 96.50 | 23 | 9 | 106.52 | 53 | 27 | 101.51 | 16 | 8 | 85.34 | 121 | 50 |
| RATIO 144 --- SYSTEM AVG. INTERRUPTION DURATION INDEX (SAIDI) - TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 2.56 | 3.00 | 819 | 474 | 3.58 | 23 | 17 | 2.93 | 53 | 31 | 3.02 | 16 | 11 | 2.99 | 68 | 42 |
| 2007 | 3.63 | 3.37 | 820 | 376 | 2.96 | 23 | 5 | 2.77 | 51 | 18 | 2.75 | 16 | 4 | 2.43 | 40 | 17 |
| 2008 | 887.40 | 201.96 | 819 | 91 | 272.40 | 23 | 4 | 272.40 | 51 | 5 | 224.40 | 16 | 1 | 170.65 | 84 | 3 |
| 2009 | 884.40 | 196.20 | 817 | 87 | 2,729.51 | 23 | 19 | 237.69 | 52 | 10 | 2,724.51 | 16 | 14 | 196.20 | 131 | 16 |
| 2010 | 139.44 | 188.64 | 816 | 526 | 139.44 | 23 | 12 | 179.34 | 53 | 33 | 150.55 | 16 | 10 | 178.32 | 121 | 74 |
| RATIO 145 --- AVG. SERVICE AVAILABILITY INDEX (ASAI) - TOTAL (\%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 99.97 | 99.97 | 819 | 346 | 99.96 | 23 | 7 | 99.97 | 53 | 23 | 99.97 | 16 | 6 | 99.97 | 68 | 27 |
| 2007 | 99.96 | 99.96 | 820 | 445 | 99.97 | 23 | 19 | 99.97 | 51 | 34 | 99.97 | 16 | 13 | 99.97 | 40 | 24 |
| 2008 | 99.83 | 99.96 | 819 | 729 | 99.95 | 23 | 20 | 99.95 | 51 | 47 | 99.96 | 16 | 16 | 99.97 | 84 | 82 |
| 2009 | 99.83 | 99.96 | 817 | 731 | 99.48 | 23 | 5 | 99.95 | 52 | 43 | 99.48 | 16 | 3 | 99.96 | 131 | 116 |
| 2010 | 99.97 | 99.96 | 816 | 291 | 99.97 | 23 | 12 | 99.97 | 53 | 21 | 99.97 | 16 | 7 | 99.97 | 121 | 48 |

## OWEN ELECTRIC COOPERATIVE

## CASE NO. 2011-00037

RESPONSE TO THE ATTORNEY GENERAL'S INITIAL DATA REQUEST

Question:
Please provide all studies, analyses, and revenue proofs indicating that Owen's rate filing is indeed revenue neutral.

Response:
See exhibit 6 and 10 of the rate application.


[^0]:    * Consumer billed from a contract minimum Normally due in usable funds by the 21st of the month, subject to the provisions in EKPC Board Policy No. 204, related to weekends and holidays. Questions Regarding this invoice should be directed to Laura Wilson (859) 745-9752 or ext 752.

[^1]:    RUS Form 7

[^2]:    RUS Form 7

[^3]:    I AIR-SOURCE HEAT PUMP- $\$ 100$
    Unit must be 14 SEER (Seasonal Energy Efficiency Rating) or higher and an 8 HSPF (Heating Season Performance Factor) or higher to qualify. (Heat pump to heat pump upgrade is NOT eligible for rebate.) ARI Certificate MUST accompany rebate form.

[^4]:    I DUAL FUEL AIR SOURCE HEAT PUMP - $\$ 150$
    Unit must be 14 SEER ( Seasonal Energy Efficiency Rating) or higher and an 8 HSPF( Heating Season Performance Factor) or higher. Also, unit must replace existing resistance heat.

[^5]:    *A HOME THAT MEETS ENERGY STAR STANDARDS MAY QUALIFY AS A TOUCHSTONE ENERGY HOME. CHECK WITH YOUR LOCAL COOPERATIVE ENERGY ADVISOR TO VERIFY COMPLIANCE

