

Conservation Achievement Report

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Vigilante Electric Coop Inc

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	Conservation Acquired by Calendar Year			<i>Projected</i>
	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>
<u>Savings</u>				
Kilowatt Hrs per year				
Kilowatts (optional)				
<u>Expenditures</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>
Total Dollars				
BPA-funded				
Utility-funded				
Other-funded				

Energy Savings and Expenditures by Sector by Calendar Year if available

<u>Sector</u>	1997		1998	
	<u>kiloWatt Hours</u>	<u>Dollars</u>	<u>kiloWatt Hours</u>	<u>Dollars</u>
Residential				
Low-income portion included in above				
Commercial				
Industrial				
Irrigation				
System Improvements				
Other				

<u>Sector</u>	1999		2000 <i>Projected</i>	
	<u>kiloWatt Hours</u>	<u>Dollars</u>	<u>kiloWatt Hours</u>	<u>Dollars</u>
Residential				
Low-income portion included in above				
Commercial				
Industrial				
Irrigation				
System Improvements				
Other				

Comments

Vigilante Electric Cooperative, Inc. has always promoted the efficient use of electricity. We believe it is good for our consumers and the utility. We also believe the benefits of every efficiency program be weighed to evaluate the cost versus energy savings. Programs that work for large utilities may not work at all for Vigilante Electric.

Please refer to Vigilante Electric's 2000 Load Forecast for a background on Vigilante's service area.

PROGRAM GUIDE

Low-Flow Showerheads

With the demands placed on rural water supplies, Vigilante Electric Cooperative stocks an assortment of low-flow showerheads. These are distributed to members upon request and are free of charge.

--In 2000 we distributed two low-flow showerheads.

Water Heaters

During 2001, Vigilante will continue to rebate \$1.00 per gallon on electric water heaters with 93% or greater efficiency. We should acquire 15 new heaters during the year.

-- In 2000 we acquired 10 water heaters.

Water Heater Blankets

Vigilante Electric provides water heater insulating blankets for our consumers on request. We expect to hand out over 20 blankets in 2001.

--2000 we handed out 20 insulated blankets.

Home Design/Ground Source Heat Pump (GSHP) Assistance

Vigilante Electric continues to encourage new homes to be built to Super Good Cents (SGC) standards. Area homebuilders are provided with SGC books and a free energy analysis on each design. We also provide blower door analysis to ensure structural integrity of manufactured homes, especially doublewides.

GSHP continues to carry a large up-front cost. By encouraging area installers and new homeowners to use a GSHP, costs are trending down. We anticipate the installation of two GSHP's and the building of five SGC homes within our service area in 2001.

-- In 2000 six homes were built to SGC standards.

Renewable Energy

In the past three years Vigilante Electric Cooperative has been active in solar water pumping. We are currently collaborating with Fish, Wildlife and Parks and the DEQ on the Big Hole River Project. This project is designed to lessen the burden on the river from stock watering and irrigation by installing stock wells and feeder tanks.

Most sights are grid connected. However, some current sights and several proposed are over a mile from the nearest power line. A 660-watt mobile pumping unit is used at these sights.

Irrigation

All irrigation accounts on Vigilante Electric's system will be demand metered for the 2001 pumping season. Demand metering provides data required to determine loading of pump installations.

In addition to demand metering, Vigilante is looking into a pump testing program which addresses the pump and sprinkler efficiencies of irrigation systems.

We will continue to provide power factor analysis and recommend solutions to keep power factors above 0.9 on irrigation accounts.

System Improvements

Vigilante Electric should complete our AMR project by the end of 2001. Data derived from our AMR system is used in line loss analysis and high bill complaints.

Transformers

During 2000, Vigilante purchased 160 low loss distribution transformers. We are especially targeting the no load loss of the transformer. On average we are saving 10-15 watts, no load, on each transformer. In 2001 we expect to install 170-200 low loss transformers

2001 PLAN

Vigilante Electric will promote and market the efficient use of electricity. Our 2001 plan will focus on continuing our past achievements including:

1. Low-Flow Showerheads
2. Water Heater Rebates
3. Water Heater Blankets
4. Home Design/GSHP Assistance
5. Renewable Energy
6. Irrigation Demand Metering
7. Irrigation Power Factor Improvement
8. System Improvements/Conductor Upgrades
9. Low Loss Distribution Transformer Purchases

As Vigilante Electric Cooperative moves into 2001, we feel the nine items above will provide the best benefit to our new and existing consumers.