

Employees Retirement System Energy Conservation Plan

October 2016

Energy Management

Starting in Fiscal Year 2000, ERS began implementing a comprehensive set of energy conservation measures. The agency will continue to do so, by implementing the following:

- Retrofitting lighting fixtures for higher efficiency
- Calibrating thermostats
- Adjusting building temperature for seasonal changes and after-hours usage.

ERS continues to acquire new training for its employees in such areas as energy auditing, benchmarking, and energy management. In addition, the agency encourages efficient business practices by shutting off task lighting when not in use and limiting the use of personal appliances such as microwave ovens, small refrigerators, space heaters and coffee pots.

Energy Consumption

ERS has a goal to reduce electric and natural gas consumption by 5% per year in fiscal year 2016 from the average of the 13 previous fiscal years. ERS **has met** this goal for the fourth quarter of Fiscal Year 2016.

Electricity Consumption in Kilowatt Hours (KWH)				
	Average FY 03 - 15	Actual FY 2016	Change	Goal FY 2016
First Quarter	822,808	667,500	-18.9%	806,352
Second Quarter	722,154	623,000	-13.7%	707,711
Third Quarter	817,115	686,500	-16.0%	800,773
Fourth Quarter	934,692	791,500	-15.3%	915,998
TOTAL	3,296,769	2,768,500	-16.0%	3,230,834

Natural Gas Consumption in 100 Cubic Feet (Ccf)				
	Average FY 03 - 15	Actual FY 2016	Change	Goal FY 2016
First Quarter	4,036	1,613	-60.0%	3,955
Second Quarter	14,809	11,305	-23.7%	14,513
Third Quarter	5,479	3,016	-45.0%	5,370
Fourth Quarter	842	0	-100.0%	825
TOTAL	25,166	15,934	-36.7%	24,663

Fuel Consumption

ERS has reduced travel over the past 7 fiscal years by webcasting instead of traveling to make presentations. The agency will continue to analyze the demand for onsite presentations and to substitute webcasts where appropriate.

Fuel Consumption Goal

ERS has a goal to reduce fuel consumption by 5% per year in fiscal year 2016 from the average of the 11 previous fiscal years.

Data was only available for Fiscal Year 2005 to the present. Mileage was used as a measure to track fuel consumption. The fourth quarter for Fiscal Year 2016 shows a 59 percent decrease from the FY05-15 average.

Mileage for ERS Vehicles				
	Average FY05 - 15	Actual FY 2016	Change	Goal FY 2016
First Quarter	1,278	747	-42%	1,253
Second Quarter	1,215	705	-42%	1,191
Third Quarter	1,345	770	-43%	1,318
Fourth Quarter	1,456	595	-59%	1,427
TOTAL	5,295	2,817	-47%	5,189