

# Employees Retirement System Energy Conservation Plan

April 2018

## 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 2018 from the average of the 15 previous fiscal years. ERS **has met** this goal for the second quarter of Fiscal Year 2018.

<b>Electricity Consumption in Kilowatt Hours (KWH)</b>				
	<b>Average FY 03 - 17</b>	<b>Actual FY 2018</b>	<b>Change</b>	<b>Goal FY 2018</b>
<b>First Quarter</b>	801,500	612,000	-23.6%	785,470
<b>Second Quarter</b>	707,733	503,500	-28.9%	693,579
<b>Third Quarter</b>	799,633	0	-100.0%	783,641
<b>Fourth Quarter</b>	916,367	0	-100.0%	898,039
<b>TOTAL</b>	<b>3,225,233</b>	<b>1,115,500</b>	<b>-65.4%</b>	<b>3,160,729</b>

<b>Natural Gas Consumption in 100 Cubic Feet (Ccf)</b>				
	<b>Average FY 03 - 17</b>	<b>Actual FY 2018</b>	<b>Change</b>	<b>Goal FY 2018</b>
<b>First Quarter</b>	3,680	2,907	-21.0%	3,606
<b>Second Quarter</b>	14,204	13,628	-4.1%	13,920
<b>Third Quarter</b>	5,162	0	-100.0%	5,058
<b>Fourth Quarter</b>	791	0	-100.0%	775
<b>TOTAL</b>	<b>23,837</b>	<b>16,535</b>	<b>-30.6%</b>	<b>23,360</b>

## Fuel Consumption

ERS has reduced travel over the past 9 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 2018 from the average of the 13 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 second quarter for Fiscal Year 2018 shows a 54 percent decrease from the FY05-17 average.

### Mileage for ERS Vehicles

	<b>Average FY05 - 17</b>	<b>Actual FY 2018</b>	<b>Change</b>	<b>Goal FY 2018</b>
<b>First Quarter</b>	<b>1,198</b>	<b>794</b>	<b>-34%</b>	<b>1,174</b>
<b>Second Quarter</b>	<b>1,138</b>	<b>523</b>	<b>-54%</b>	<b>1,115</b>
<b>Third Quarter</b>	<b>1,260</b>	<b>0</b>	<b>-100%</b>	<b>1,234</b>
<b>Fourth Quarter</b>	<b>1,361</b>	<b>0</b>	<b>-100%</b>	<b>1,334</b>
<b>TOTAL</b>	<b>4,957</b>	<b>1,317</b>	<b>-73%</b>	<b>4,858</b>