

# Employees Retirement System Energy Conservation Plan

April 2021

## 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, space heaters and coffee pots.

## Energy Consumption

Beginning September 1, 2019, the goal is to reduce the electric consumption by at least 5% each state fiscal year for the next seven years. ERS **did not meet** this goal for the 2nd quarter of Fiscal Year 2021, due to record breaking cold weather in February.

### Electricity Consumption in Kilowatt Hours (KWH)

	Average FY 13 - 20	Actual FY 2021	Change	Goal FY 2021
First Quarter	643,125	342,000	-44.0%	610,969
Second Quarter	561,063	323,500	-39.3%	533,009
Third Quarter	626,188	0	-100.0%	594,878
Fourth Quarter	730,000	0	-100.0%	693,500
<b>TOTAL</b>	<b>2,560,375</b>	<b>1,751,500</b>	<b>-31.6%</b>	<b>2,432,356</b>

### Natural Gas Consumption in 100 Cubic Feet (Ccf)

	Average FY 13 - 20	Actual FY 2021	Change	Goal FY 2021
First Quarter	2,993	1,030	-63.8%	2,843
Second Quarter	12,195	11,866	2.4%	11,585
Third Quarter	4,037	0	-100.0%	3,835
Fourth Quarter	270	0	-100.0%	257
<b>TOTAL</b>	<b>19,495</b>	<b>12,896</b>	<b>-33.9%</b>	<b>18,520</b>

## Fuel Consumption

ERS has reduced travel over the 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 2021 from the previous fiscal year.

Mileage was used as a measure to track fuel consumption. The 2<sup>nd</sup> quarter for Fiscal Year 2021 shows a 95.84% decrease from FY20.

<b>Mileage for ERS Vehicles</b>				
	<b>Actual FY 2020</b>	<b>Actual FY 2021</b>	<b>Change</b>	<b>Goal FY 2021</b>
<b>First Quarter</b>	<b>505</b>	<b>20</b>	<b>-96.04%</b>	<b>495</b>
<b>Second Quarter</b>	<b>505</b>	<b>21</b>	<b>-95.84%</b>	<b>495</b>
<b>Third Quarter</b>	<b>201</b>	<b>0</b>	<b>-1</b>	<b>197</b>
<b>Fourth Quarter</b>	<b>15</b>	<b>0</b>	<b>-1</b>	<b>15</b>
<b>TOTAL</b>	<b>1226</b>	<b>41</b>	<b>-96.59%</b>	<b>1201</b>