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Department of Buildings and General Services
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House Committee on
Energy & Technology

State Energy Management Program

History and Background

2014: ACT 178 Capital Bill established the SEMP

- State Energy Revolving Fund
- State Resource Management Revolving Fund

2016: ACT 58 Big Bill augmented the SEMP for four years.

- Efficiency Vermont Reimburses the State of Vermont for three full time employees.
- BGS and Efficiency VT are required to save \$150,000 in energy savings annually.

Our Process

Energy Star Portfolio Manager

- Enter utility data
- Develop a prioritized list of buildings based on energy use and cost per square foot.

Energy Audit Contracts

- Perform energy audits on 10% of our building space annually starting with the worst performing buildings.
- The audits are developed into project scopes.

Financing

- Submit a loan application
- Loan approval process

BGS Project Managers

- Develop project scope
- Procure contractors
- Oversee construction

Results

FY 2017 Savings: 12 Projects

- **\$151,184**
- 5.75 GWh
- 9,609 MMBTU

FY 2018 Savings: 11 Projects

- **\$381,000**
- 10 GWh
- 2,730 MMBTU

Project FY 2019 Savings:

- **\$286,000**
- 6.3 GWh
- 13,228 MMBTU

Total Savings To Date:

- **\$ 4,003,522**
- **12,000** MTCO₂e
- **20,110,986** solar kWh

Revolving Loan Funds

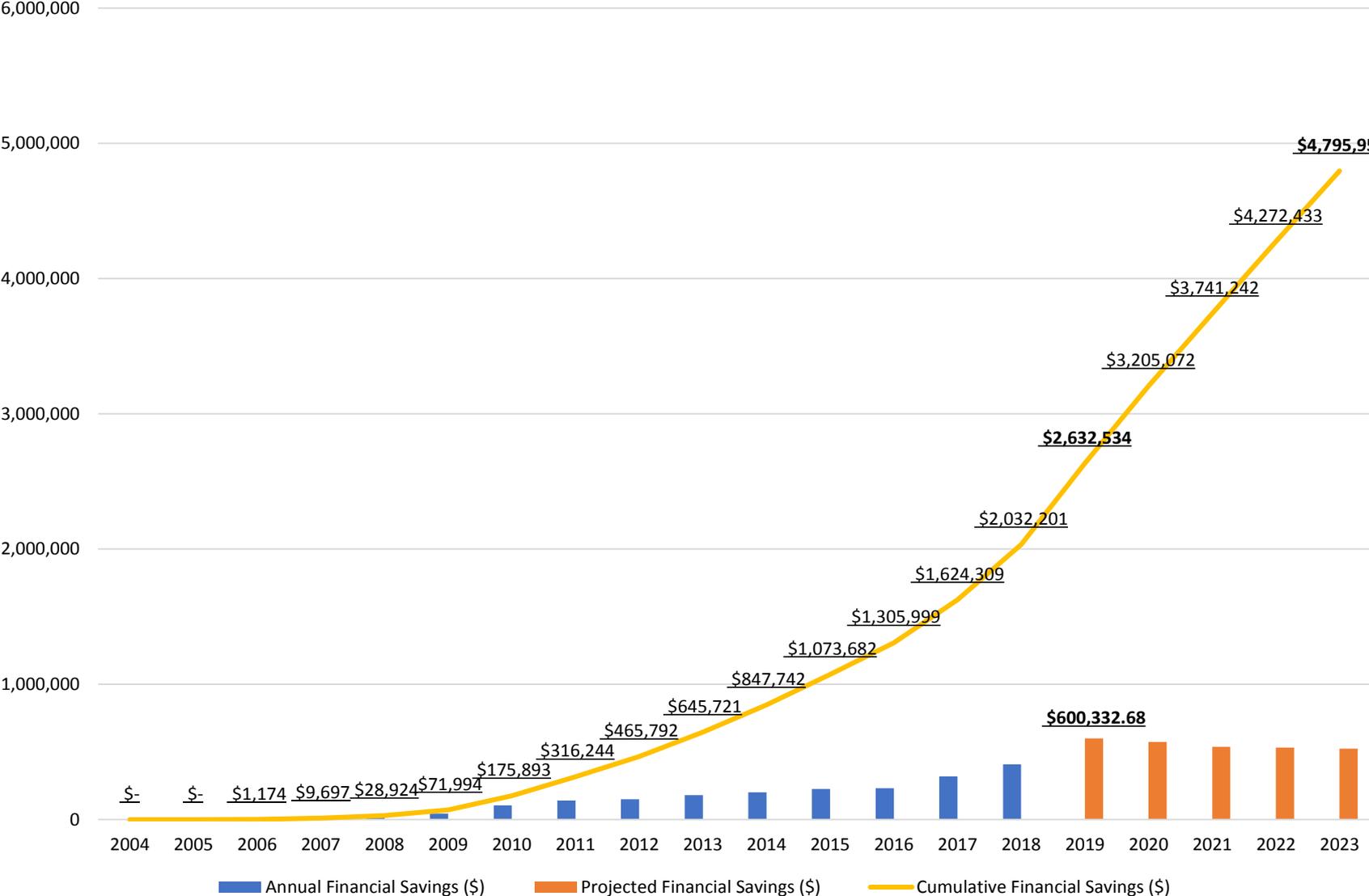
State Resource Management Revolving Fund (SRMRF)

| | |
|----------------------------------|--------------------|
| Total Value | \$1,500,000 |
| Projects Funded | 50 |
| Projects Loans Paid Back in Full | 28 |
| % Utilization | 79% |
| Reduction in Operational Cost | \$ 2,421,416 |

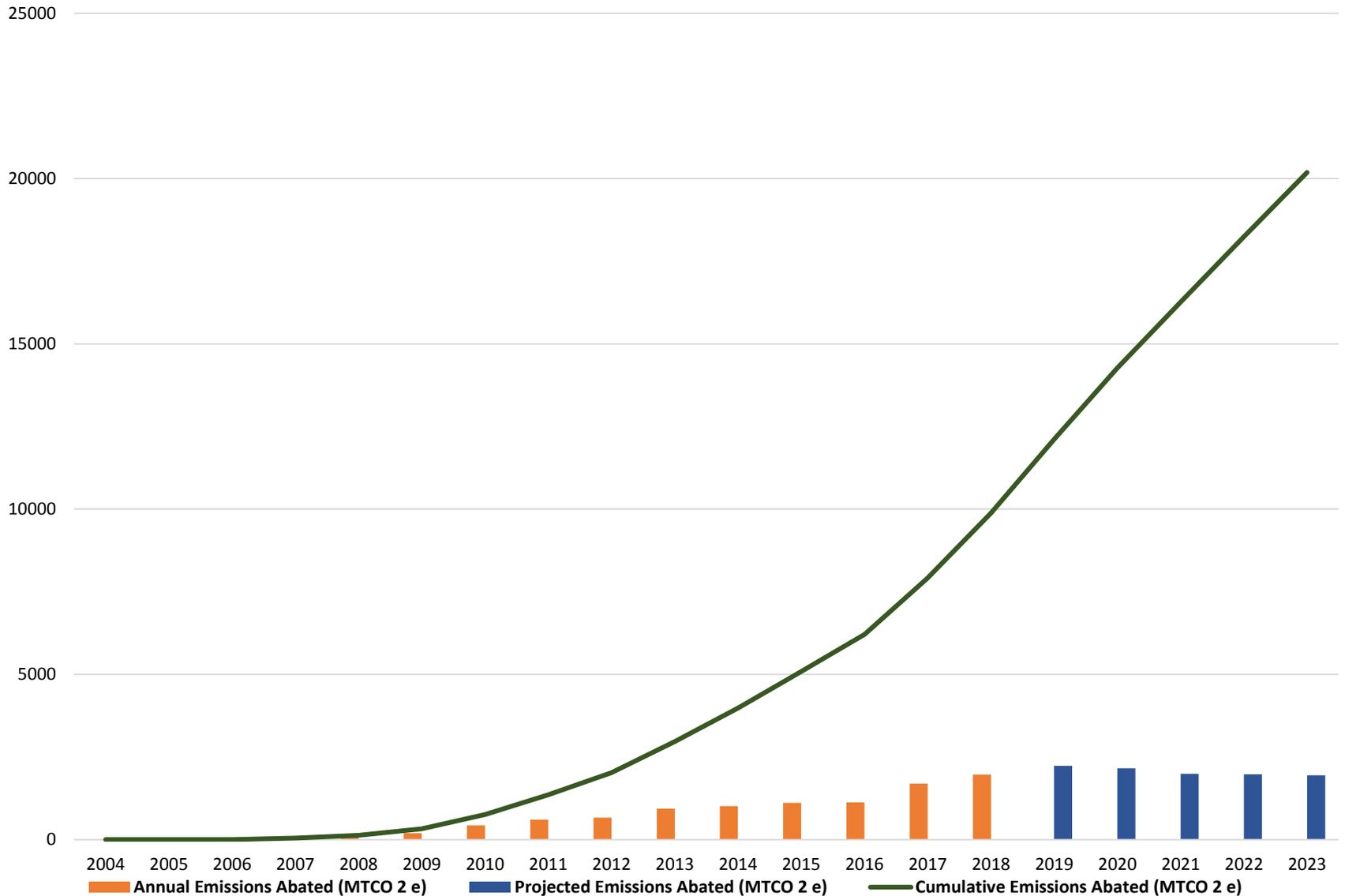
State Energy Revolving Fund (SERF)

| | |
|---------------------------------|---------------------------|
| Total Value | Up to: \$8,000,000 |
| Projects Funded | 6 |
| Project Loans Paid Back in Full | 0 |
| % Utilization | 15% |
| Reduction in Operational Cost | \$ 475,891 |

Revolving Loan Funds Financial Savings Over Time



Revolving Loan Funds Carbon Emissions Reduced Over Time



Solar Power Generation and Savings

