

RESOURCE STEWARDSHIP COORDINATION FOR CLEAN AIR

September 15, 2015

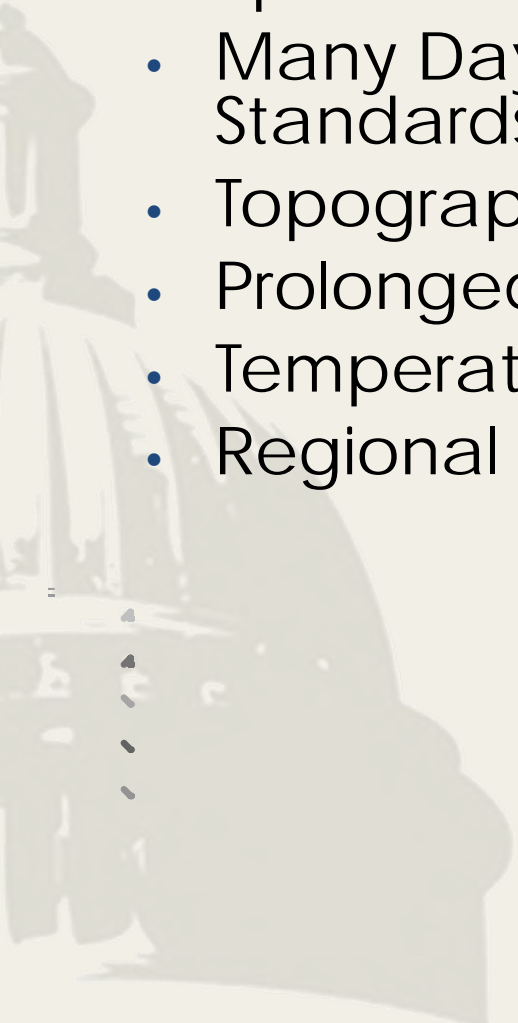
Resource Stewardship Duties

The coordinator of resource stewardship shall:

- Work with agencies to implement best practices and stewardship measures to improve air quality; and
- Make an annual report on best practices and stewardship efforts to improve air quality to the Business and Labor Interim Committee and Natural Resources, Agriculture, and Environment Interim Committee.

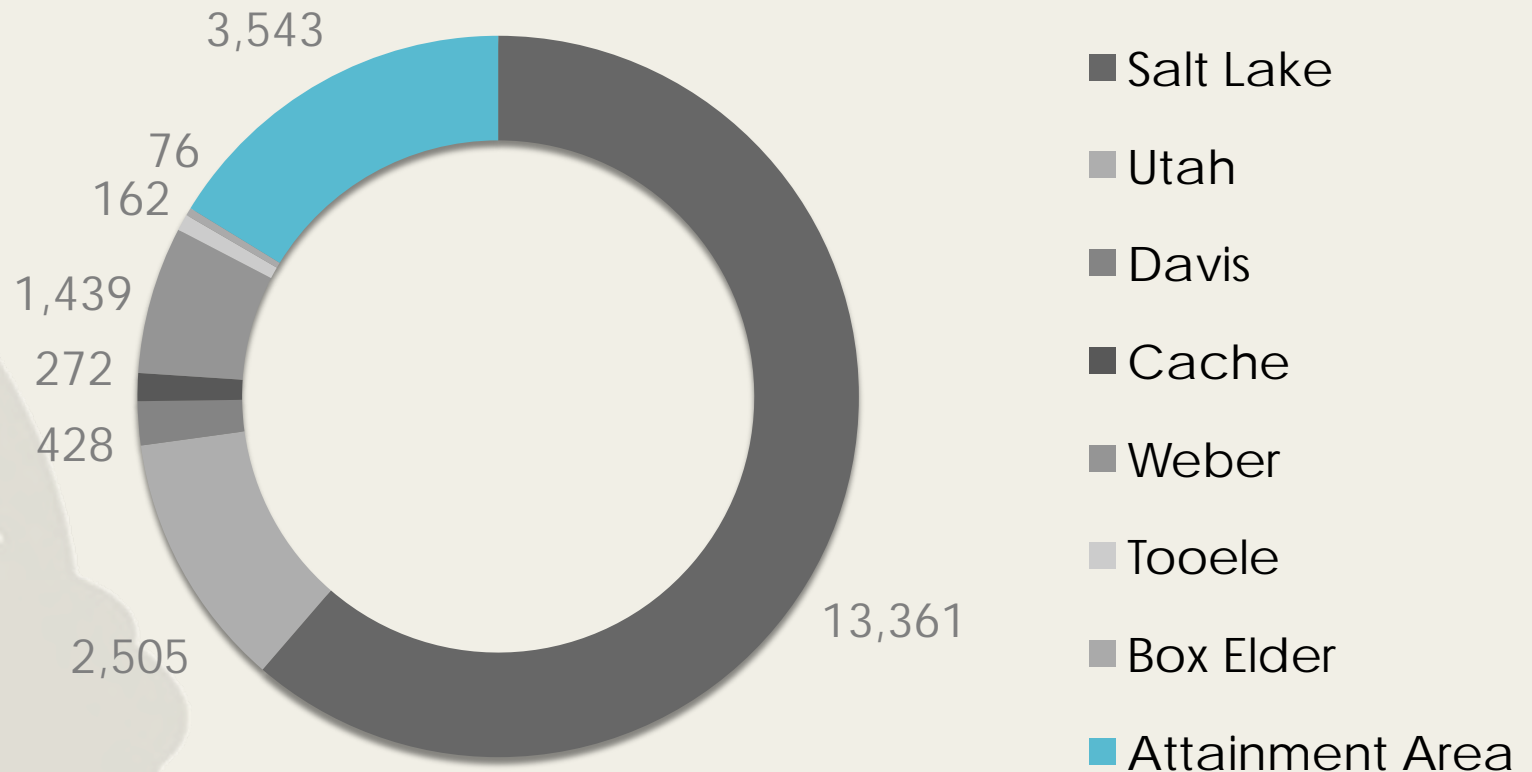
Each agency will retain absolute discretion whether or not to incorporate any of the practices or measures suggested by the coordinator

Air Quality Issues In Utah

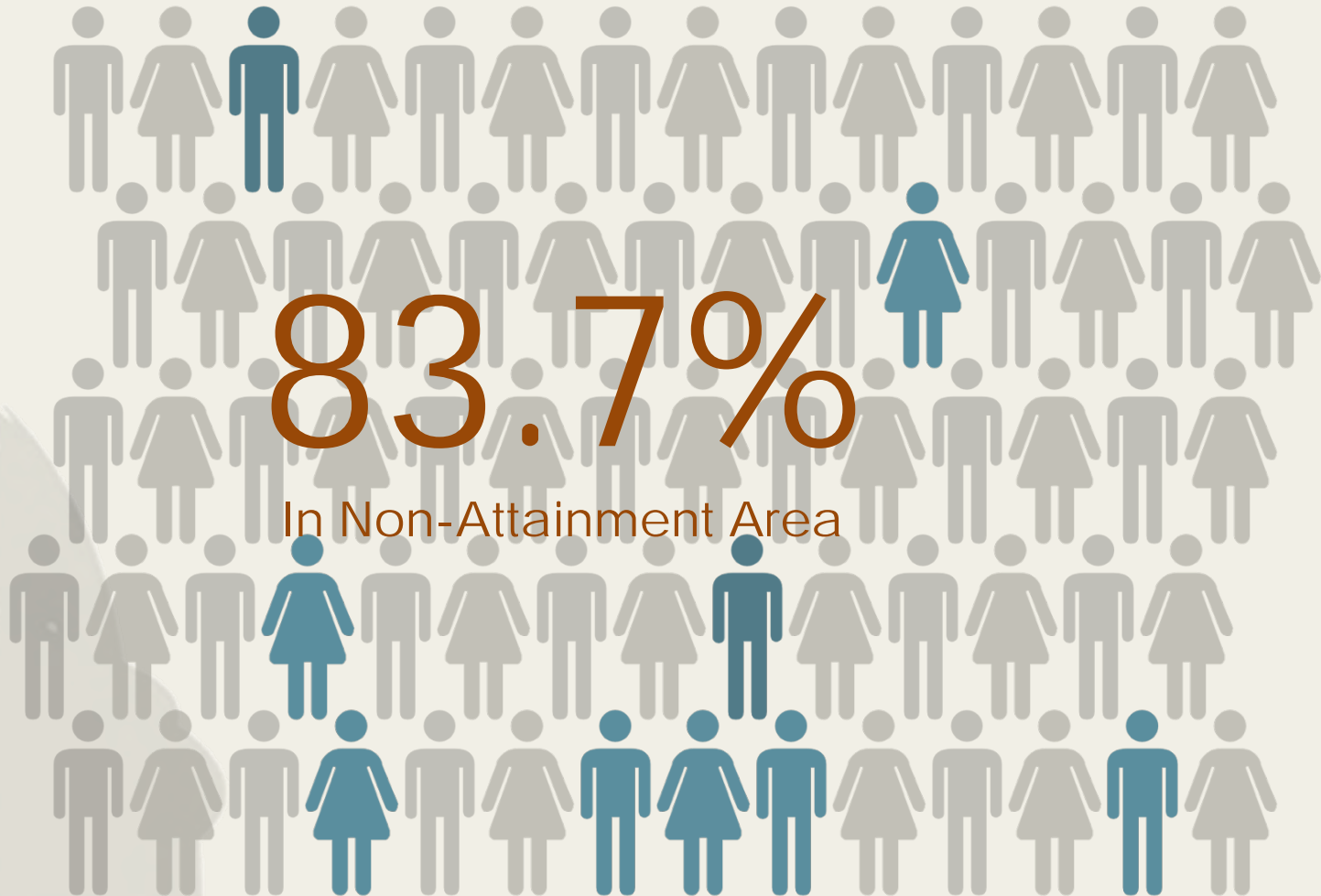
- Episodic Pollution Issue
 - Many Days Air Pollution Levels Do Not Exceed Standards
 - Topography and Air Pressure
 - Prolonged & Weather Dependent
 - Temperature Impacts Severity
 - Regional
- 

Where We Work

State Agency Employee Workplace Demographic



Where We Work



Mission, Vision, Values

Mission

- Support Agencies and increase the implementation of best practices and stewardship measures to improve air quality.

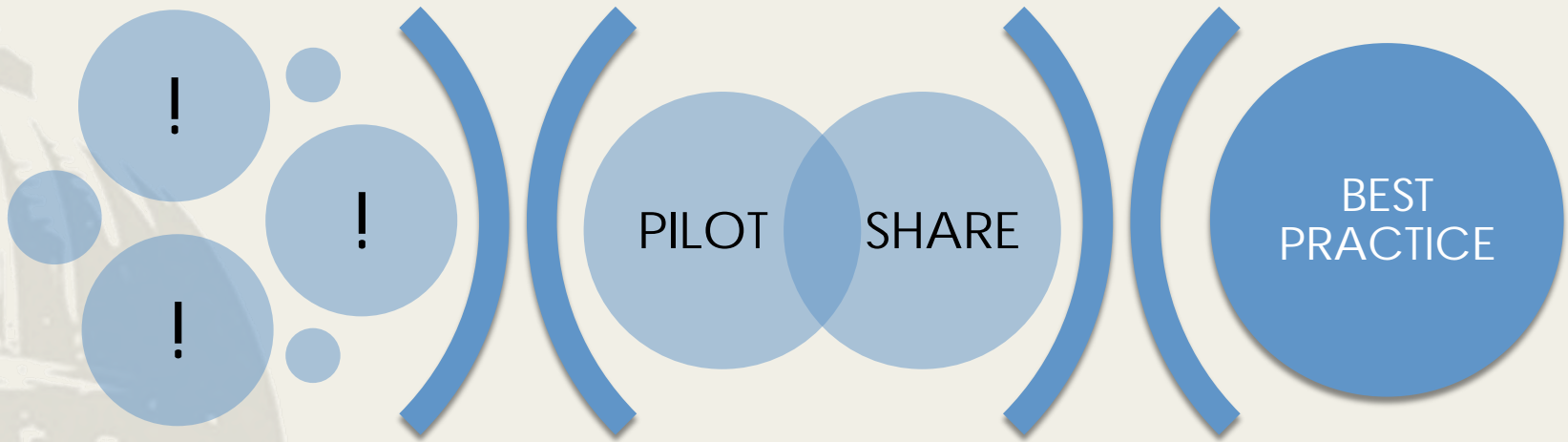
Vision

- A State of Utah government workforce that contributes to a healthier Utah.

Values

- Health
- Stewardship
- Knowledge
- Transparency
- Communication
- Efficacy

Stewardship Coordination



Stewardship Coordination Goals

1

Increase knowledge about air quality

2

Provide better access to best practices

3

Develop peers and networks

4

Support education and learning opportunities

5

Improve communication about stewardship measures

6

Support Department's and Governor's Goals

Structure to Achieve Goals

Network:
Liaisons, Peers and
Access to Expertise

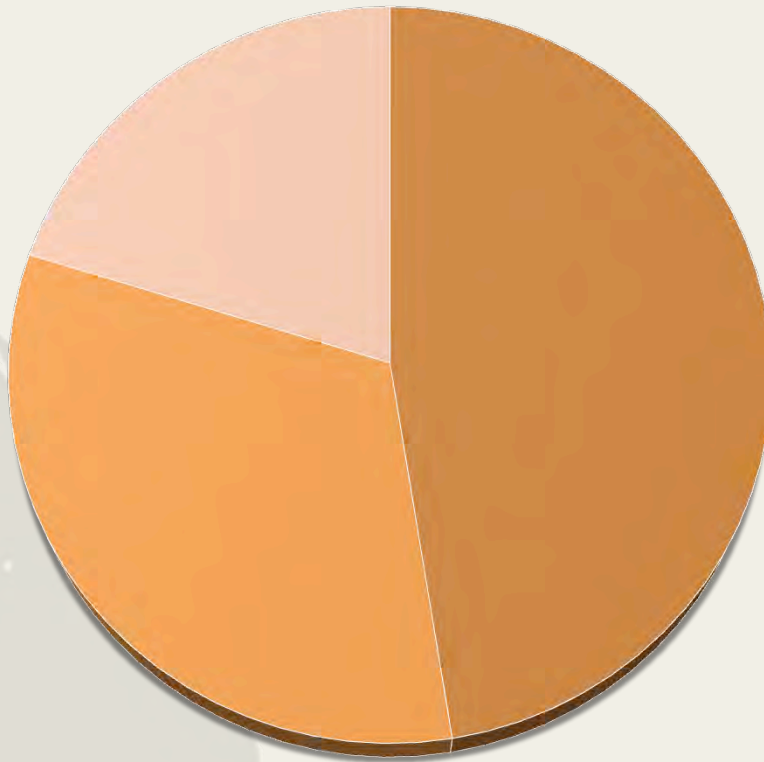
Communication:
Outreach, Web
Presence, Forums

1st Year
Pillars

Active Goal Setting:
Playbook

Education:
Experiences and
Learning Opportunities

Emissions Sources



- Transportation
- Residences and Commercial Businesses
- Industry

Year 1

Strategies and Opportunities

1

Initiate Stewardship Plan

2

Multi-Modal & Accessible Routes

3

Idle-Free Education and Communication

4

Eco Pass Awareness

5

Teleconferencing & Teleworking

6

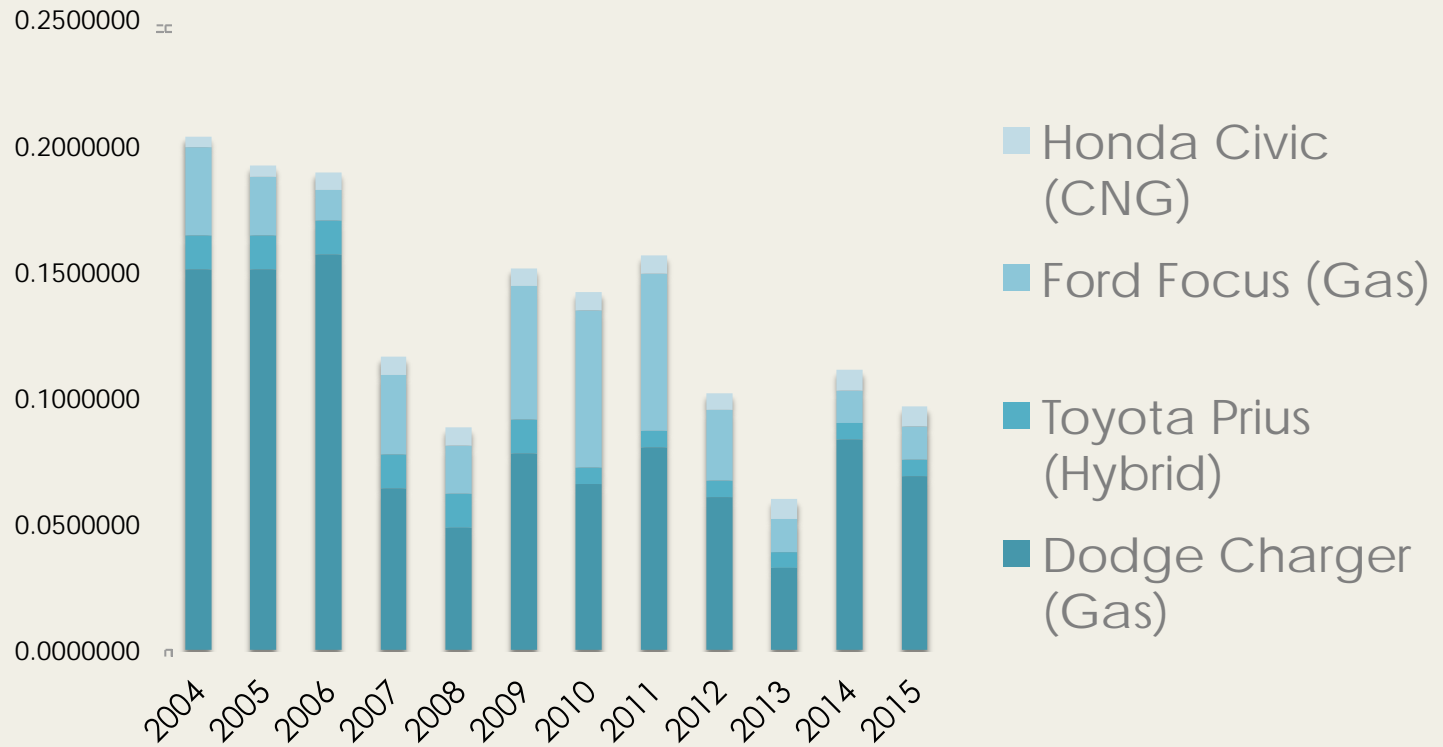
Stewardship Education

7

Agency Energy Efficiency

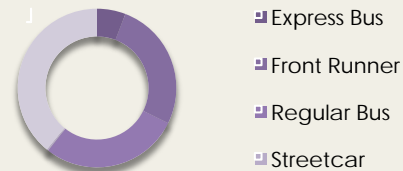
Stewardship In State Government

NOX +
NMOG



— UTAH —
ELECTRIC
— VEHICLES —

Eco Pass Transit Trips



TRAVELWise™
Keys to Success



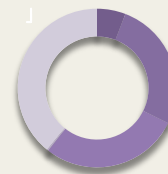
Stewardship In State Government

— UTAH — ELECTRIC — VEHICLES —



— UTAH — ELECTRIC — VEHICLES —

Eco Pass Transit Trips



- Express Bus
- Front Runner
- Regular Bus
- Streetcar

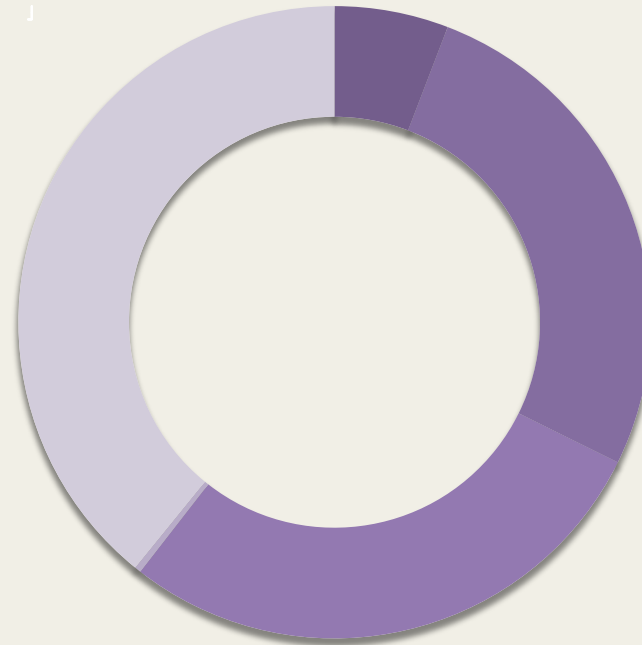
TRAVELWise™
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Stewardship In State Government

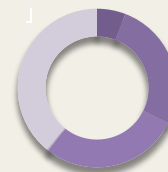
55,000+
Trip/Mo
Average

State Agency Eco Pass Transit Trips



- Express Bus
- Front Runner
- Regular Bus
- Streetcar
- Trax

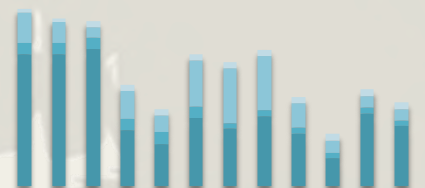
Eco Pass Transit Trips



- Express Bus
- Front Runner
- Regular Bus
- Streetcar

— UTAH —
ELECTRIC
— VEHICLES —

TRAVELWise™
Keys to Success



Stewardship In State Government

77 Tons

of Emissions Saved during
the Agency Winter
Challenge

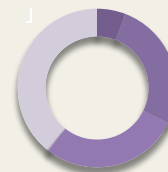


— UTAH —
ELECTRIC
— VEHICLES —

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Eco Pass Transit Trips



- Express Bus
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- Streetcar

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Keys to Success



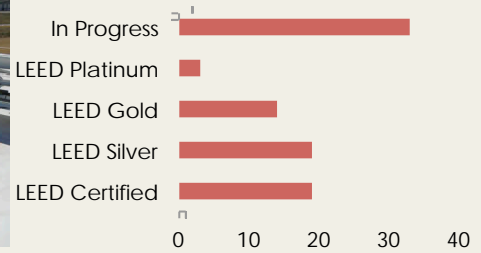
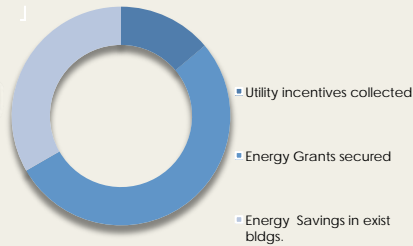
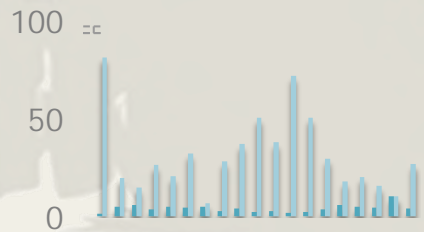
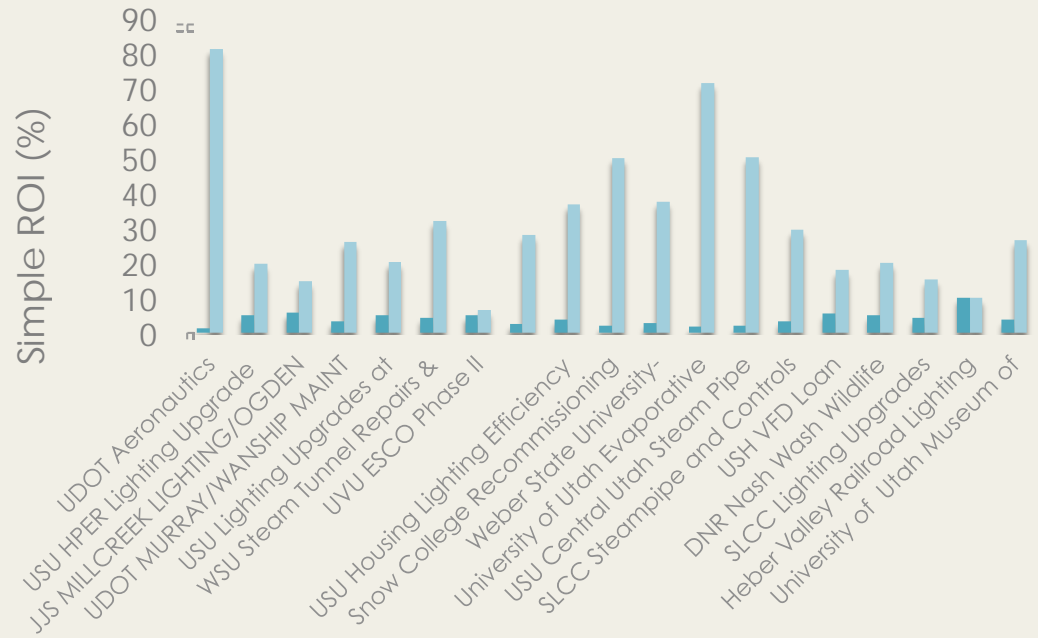
Stewardship In State Government

31.2%

Average ROI

■ Simple Payback (Years)
■ Simple ROI (%)

Efficiency Revolving Loan Projects

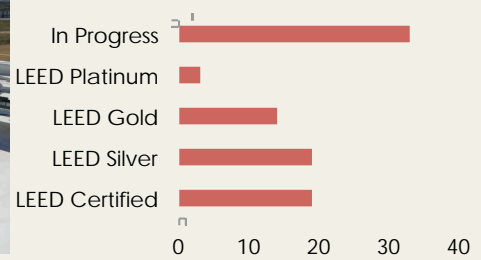
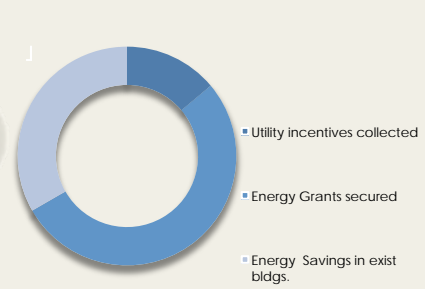
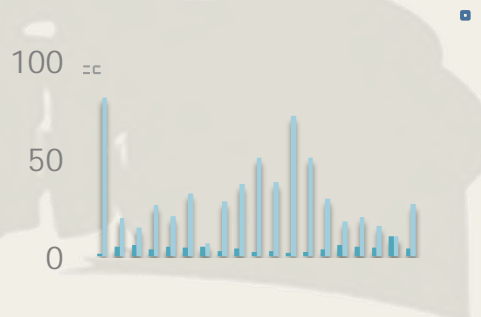
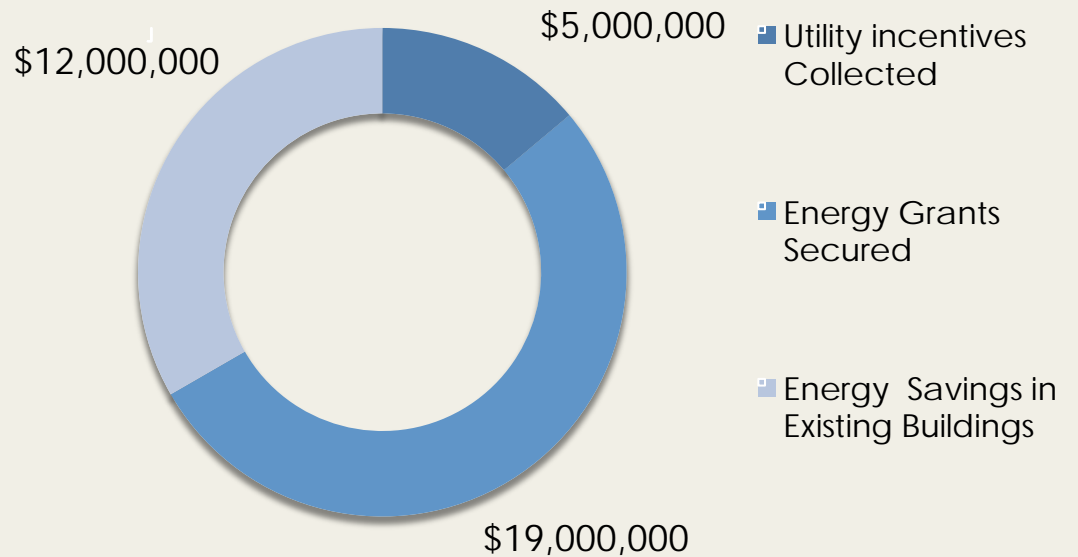


Stewardship In State Government

\$36M

Avoided Costs
2006-2015

Energy Savings and Incentives



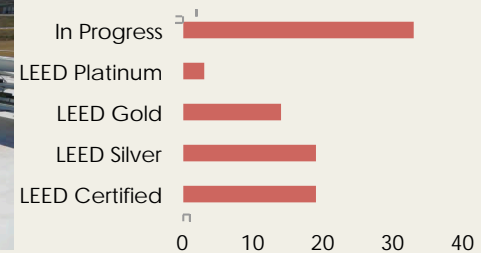
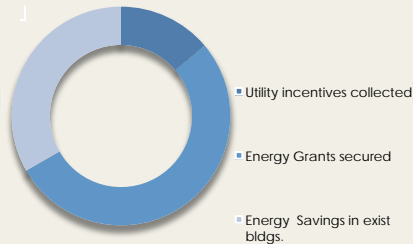
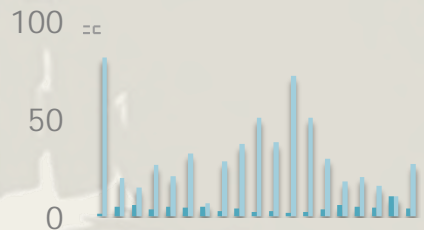
Stewardship In State Government

5.17 MW Capacity

7.9 Million Kwh/YR

24,000 LBS. of Emissions/YR

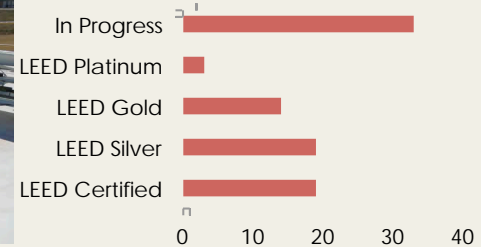
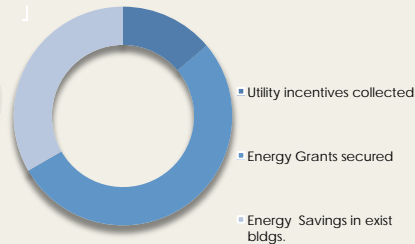
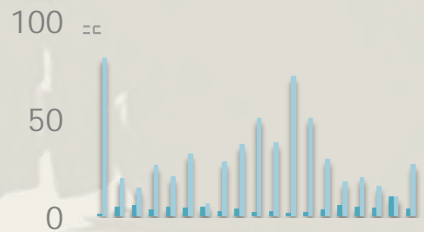
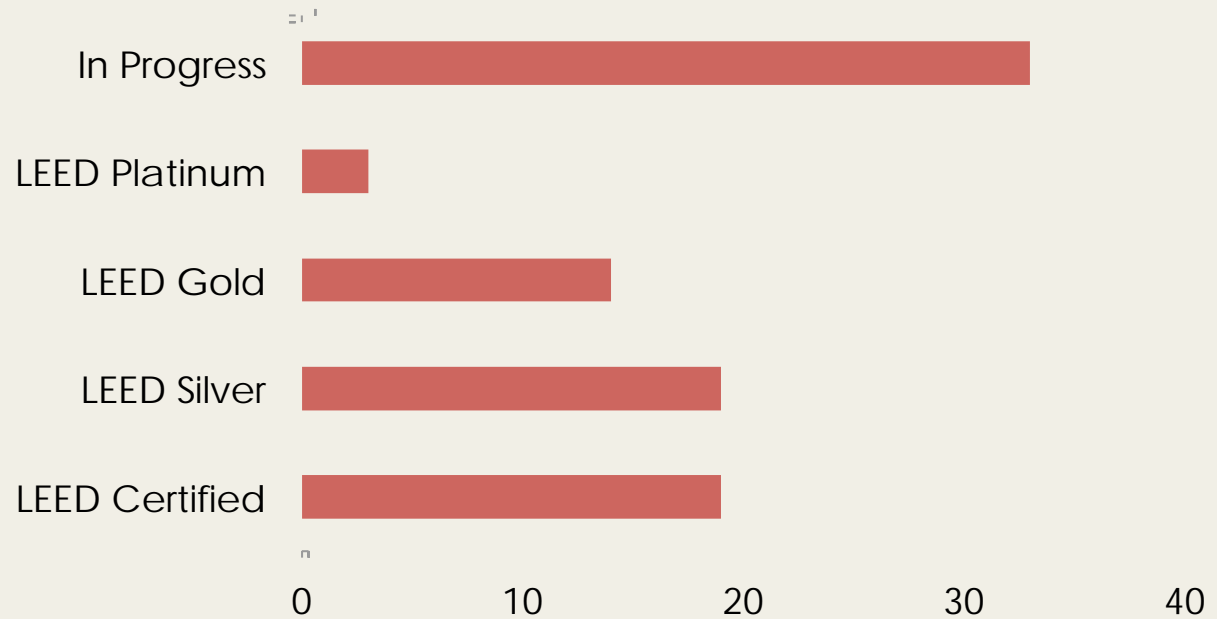
2016 Proposed Projects: 5.2 MW



Stewardship In State Government

\$100M
 Utility Costs
 Avoided Over
 Life of
 Facilities

High Performance Facilities (New Construction)



Strategy Opportunities

1200 Retrofitted

27 Replaced

343 Tons of Particulate Matter Saved



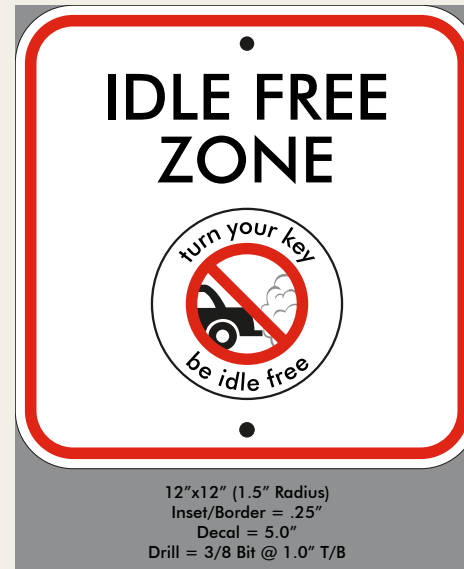
Strategy Opportunities

Community Solution



Strategy Opportunities

Targeted Education



Strategy Opportunities

Low-Maintenance Partnership



Contact

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Thank you.