



Estes Park | Fort Collins | Longmont | Loveland

Efficiency Works Business

3rd Annual Service Provider Appreciation Networking and Social

November 29, 2018



Door
prize

Introduction

Efficiency Works is a collaboration of common efficiency programs between Platte River Power Authority and the utilities of Estes Park, Fort Collins, Longmont and Loveland



Alyssa Clemsen Roberts

Platte River Power Authority

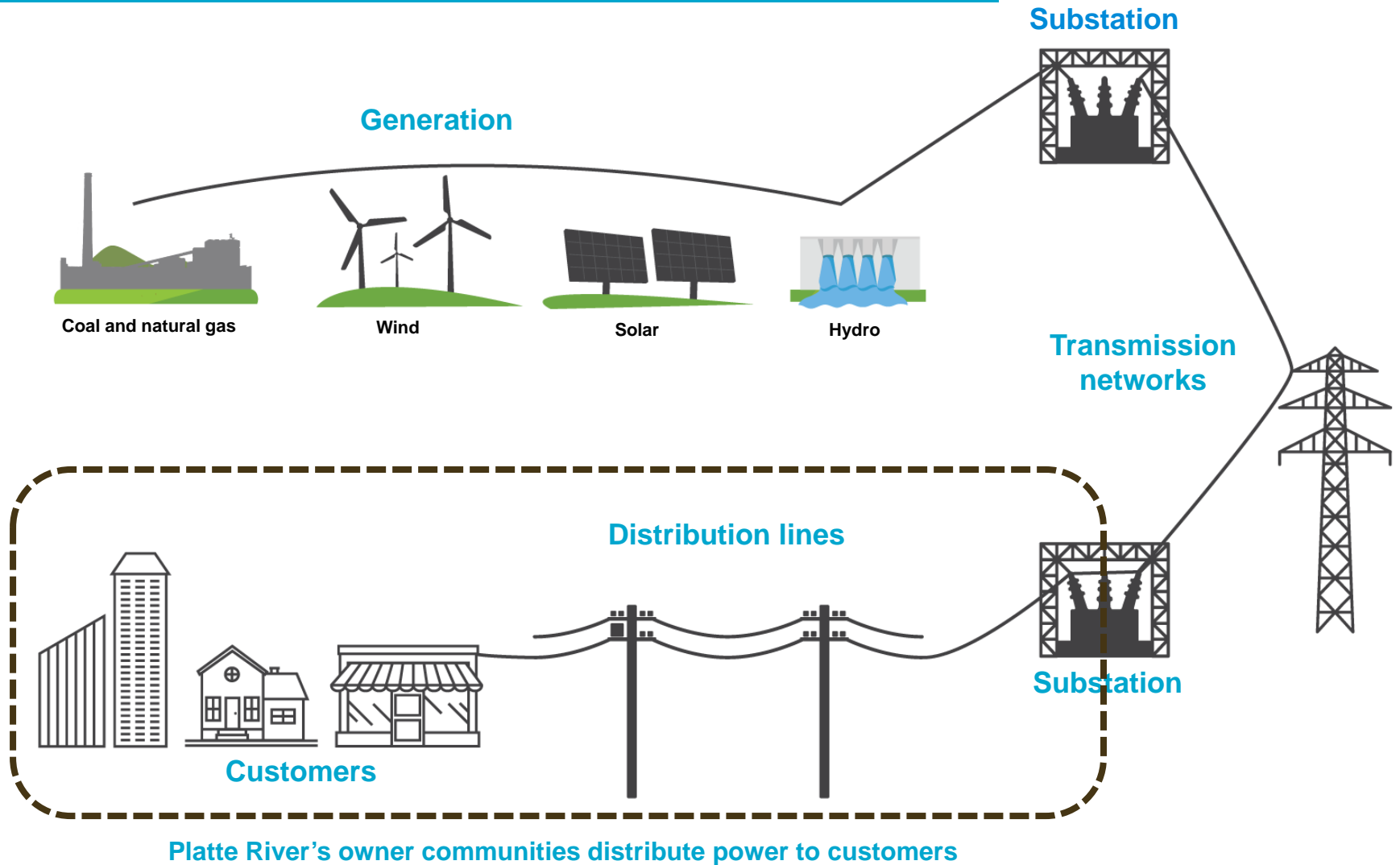
Chief strategy officer

About Platte River

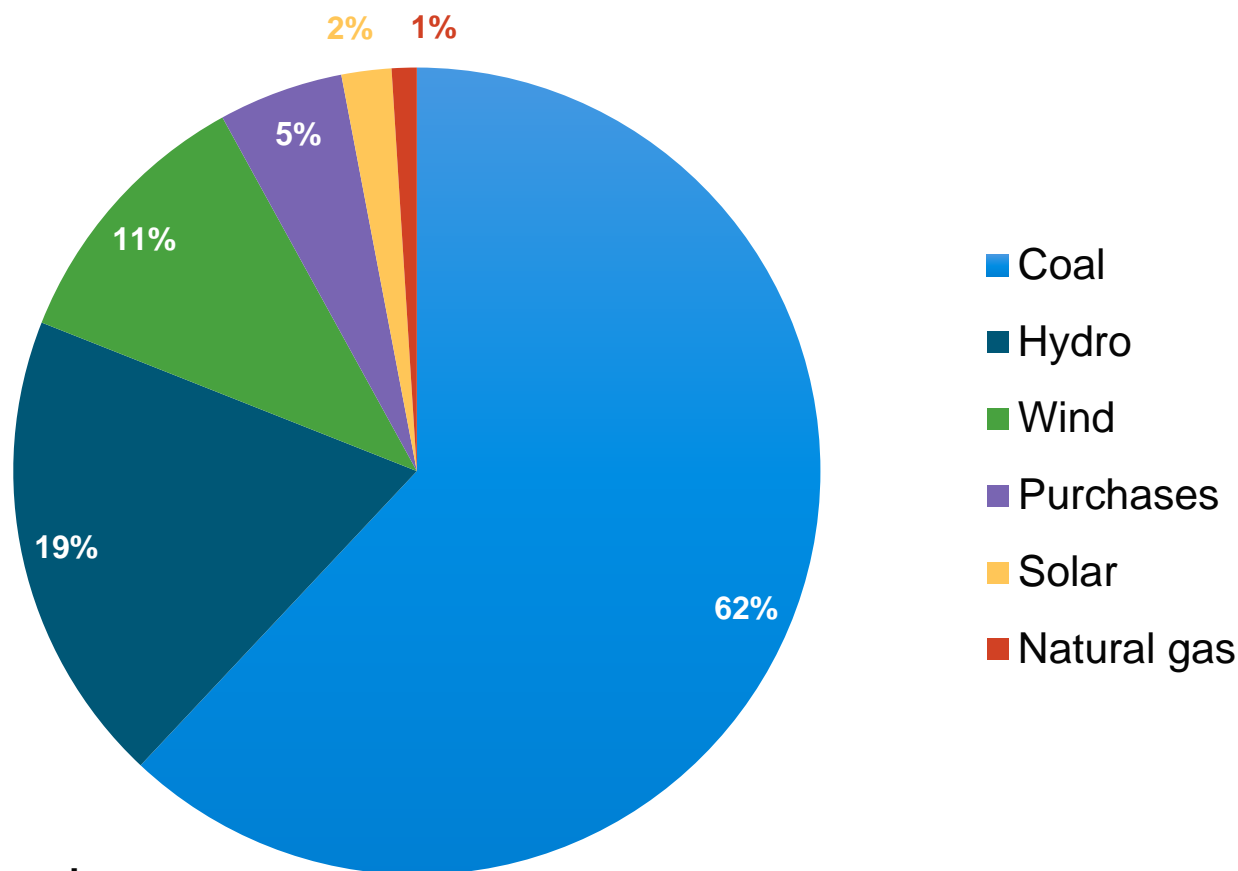
Platte River Power Authority is a not-for-profit wholesale electricity generation and transmission provider that delivers safe, reliable, environmentally responsible, and financially sustainable energy and services to our owner communities of **Estes Park, Fort Collins, Longmont and Loveland** for delivery to their utility customers.



Platte River Power Authority provides electricity to Estes Park, Fort Collins, Longmont, and Loveland



Platte River's 2018 projected deliveries



Approx. 32% non carbon

Planned generation resources

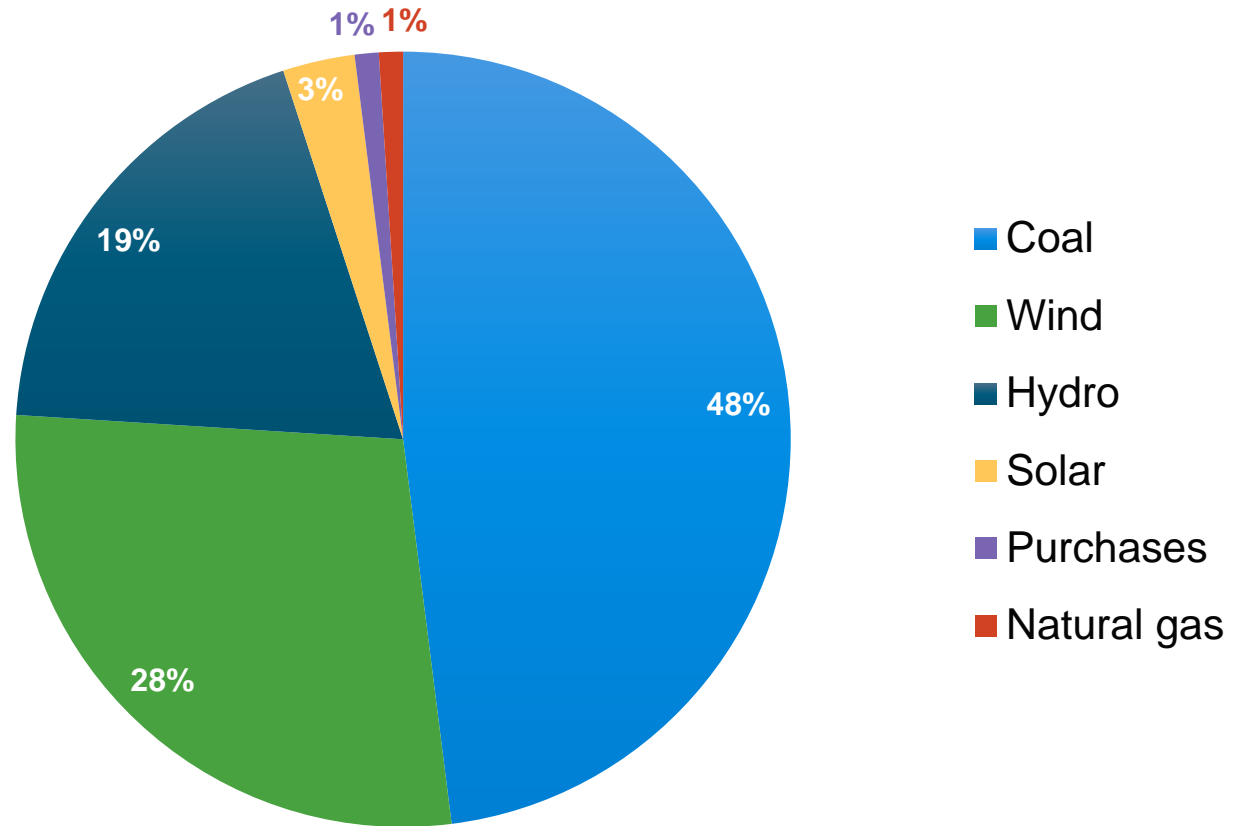


Community Solar
Solar
20 MW



**Roundhouse Renewable
Energy Project**
Wind
150 MW

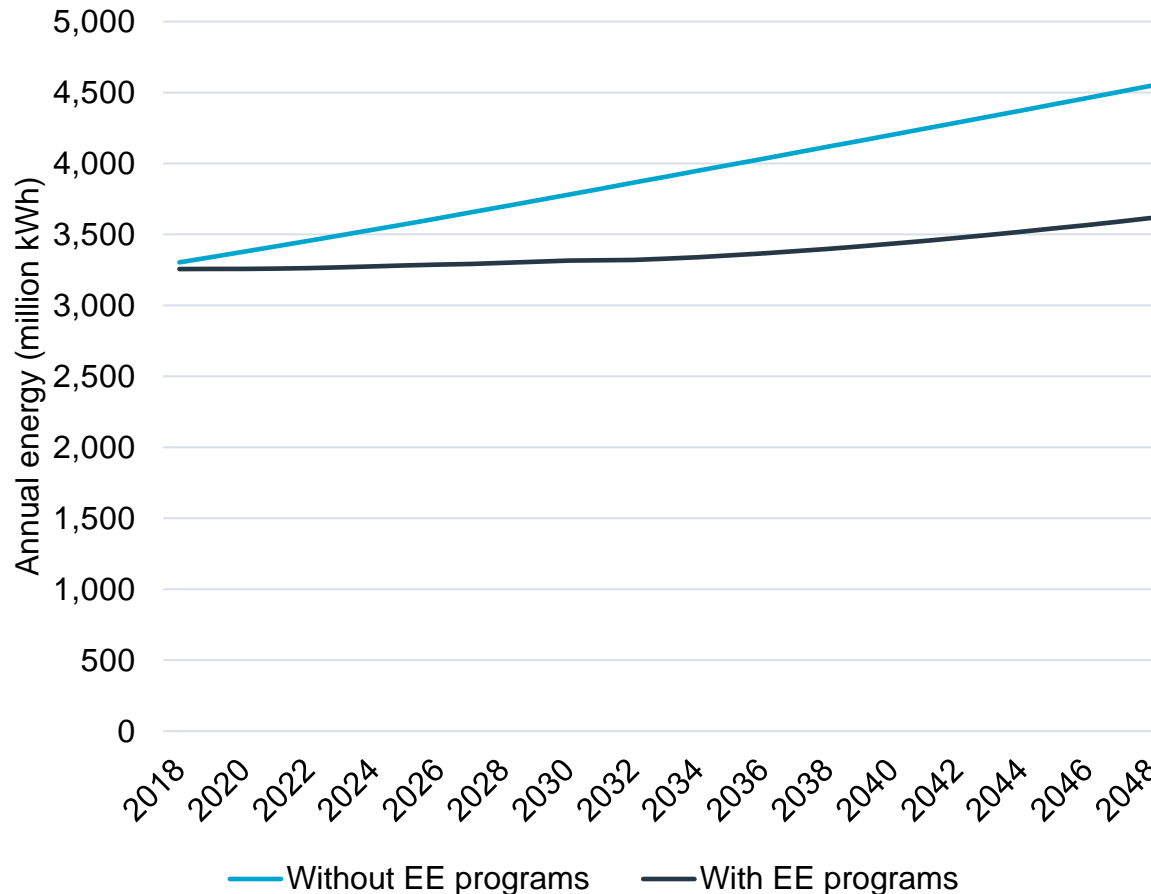
Platte River's 2021 projected deliveries



Approx. 50% non carbon

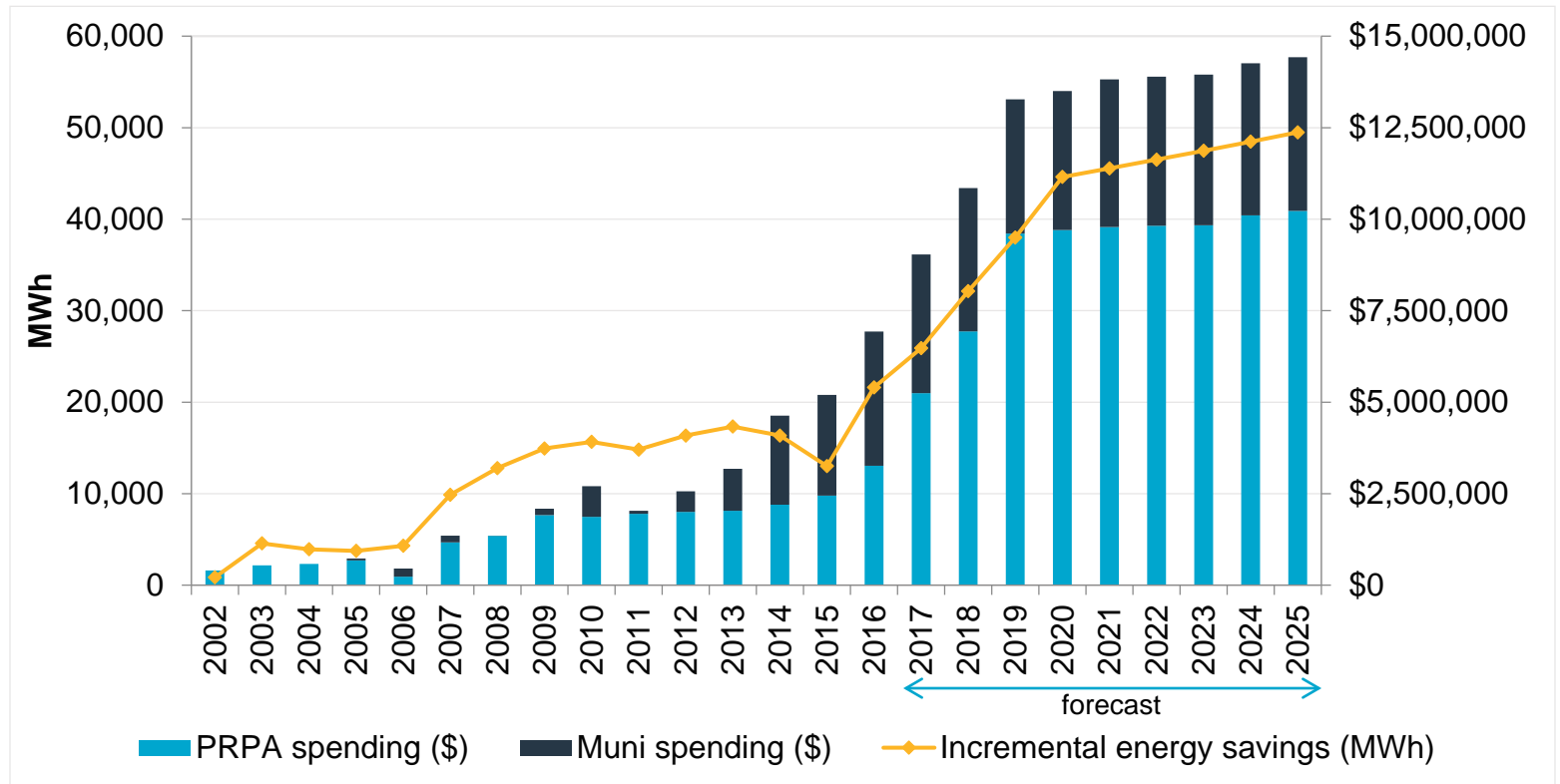
Why energy efficiency?

Load forecast



- Resource management
- Delay generation
- Cost management
- Customer service

Efficiency into the future



Bryce Brady

Platte River Power Authority

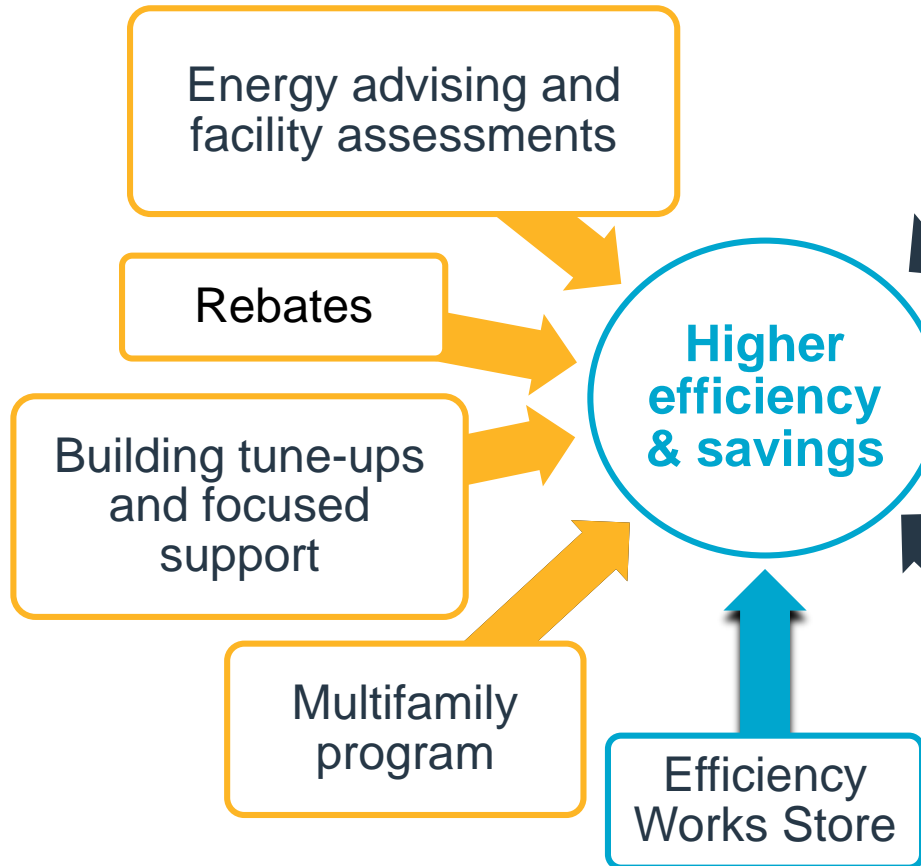
Energy solutions program manager – energy efficiency



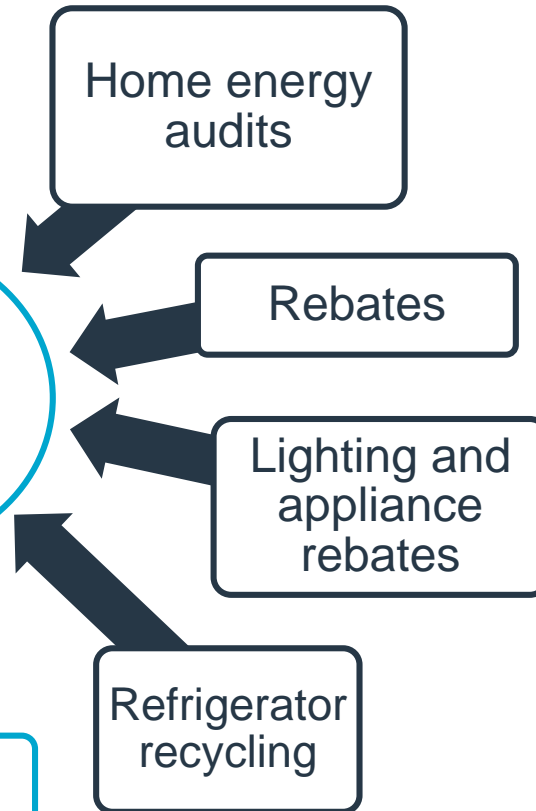
Door
prize

Efficiency Works

Business



Homes



2018 at a glance

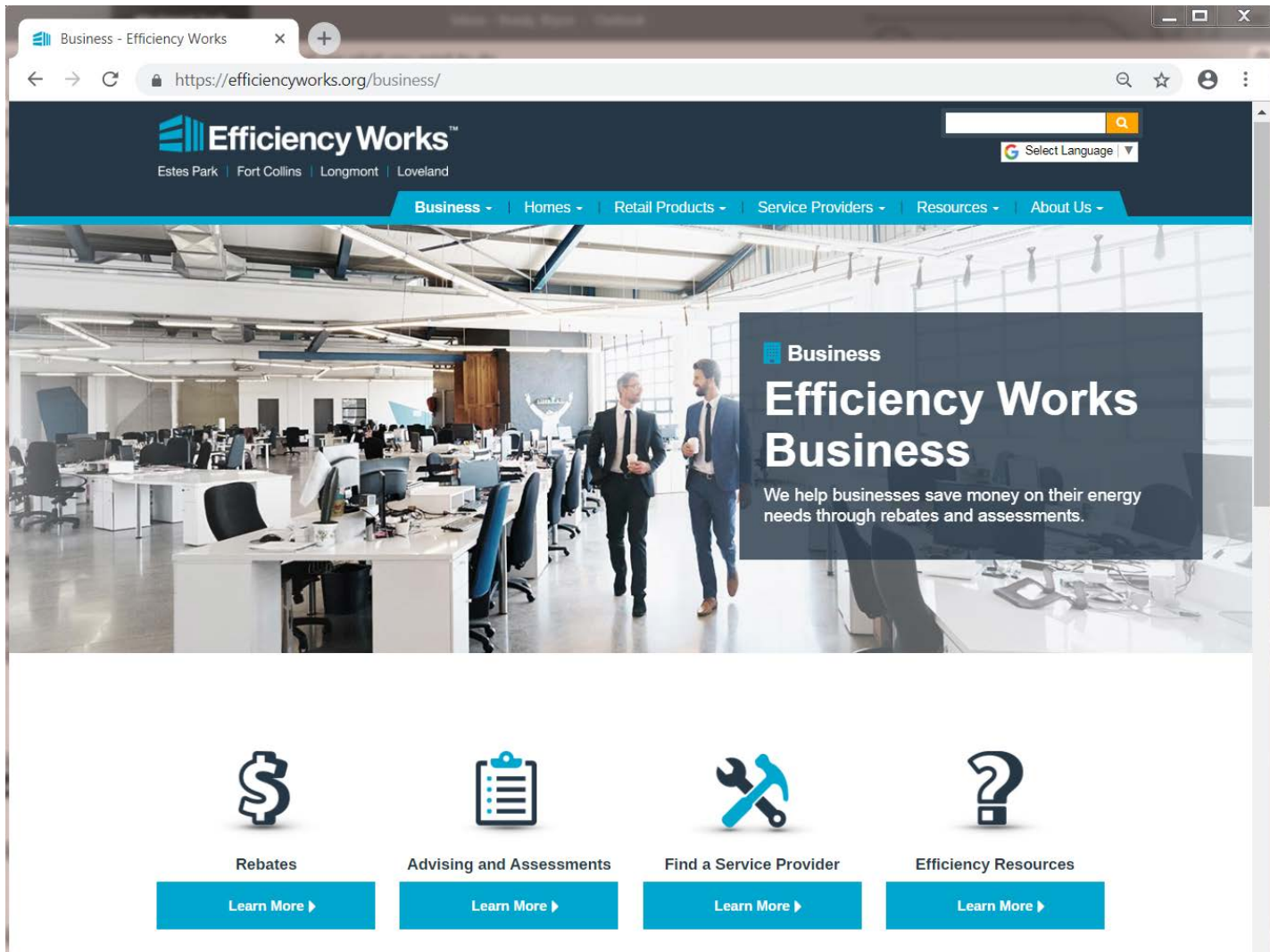
Business



Nearly 12% increase over 2017!


2018 program successes

New website launched



2018 program successes

Online store





**Efficiency Works™**
Estes Park | Fort Collins | Longmont | Loveland

STORE

Buyer's Guide

Buyer's Guides for smart thermostats, power strips, lighting and connected home products are available on the Efficiency Works Store to help answer any questions you may have about choosing the right product for your home, plus information on installation and operation.

View Buyer's Guides



*Residential address or account number validation is required before rebates can be applied. For more information, visit <https://efficiencyworksstore.com/pages/frequently-asked-questions>

2018 program successes

Multifamily program



- Direct installs
- Facility assessments
- Energy advising

2018 program successes

Energy Management program



Identify
Opportunities



Create an
Efficiency Plan



Implement
Efficiency



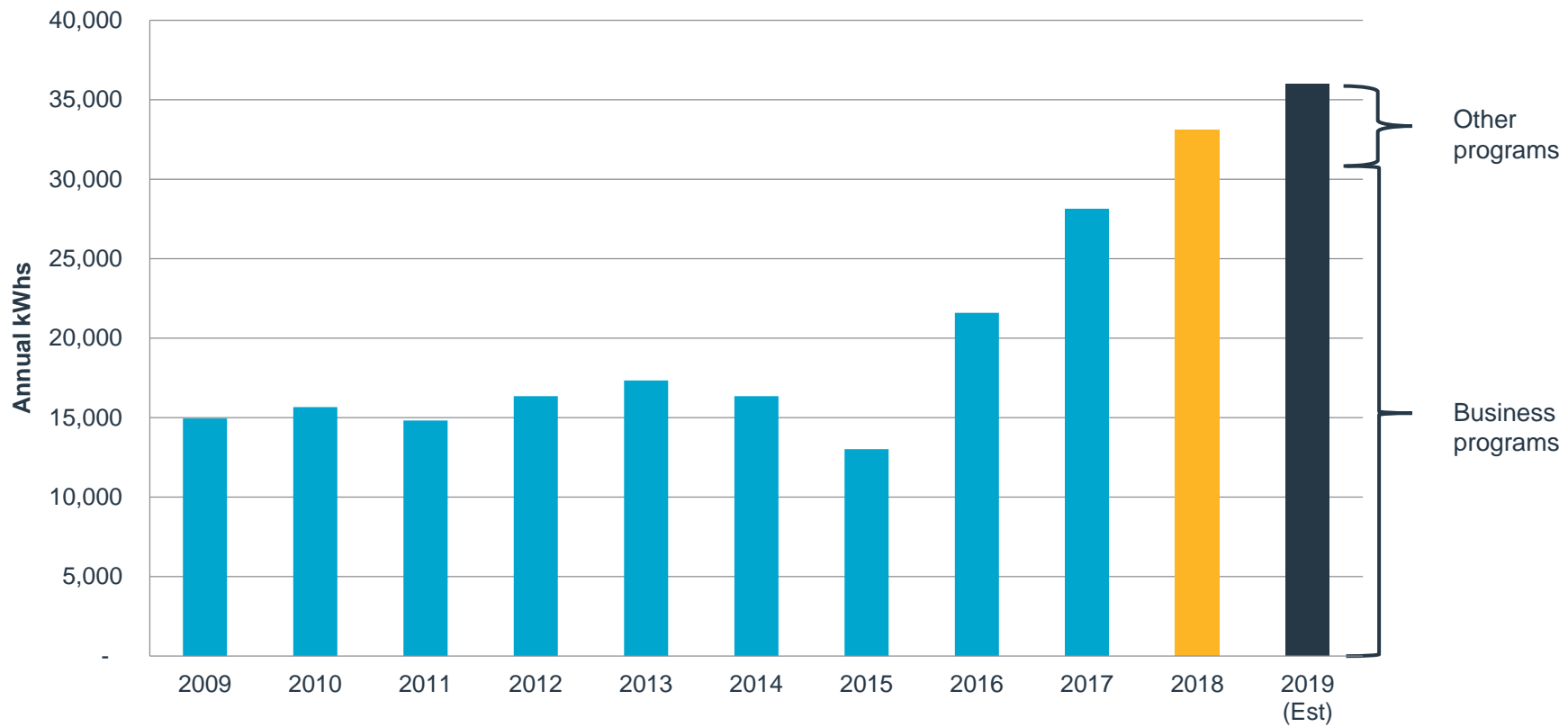
Re-Evaluate
Opportunities



Continued Cost-
Effectiveness

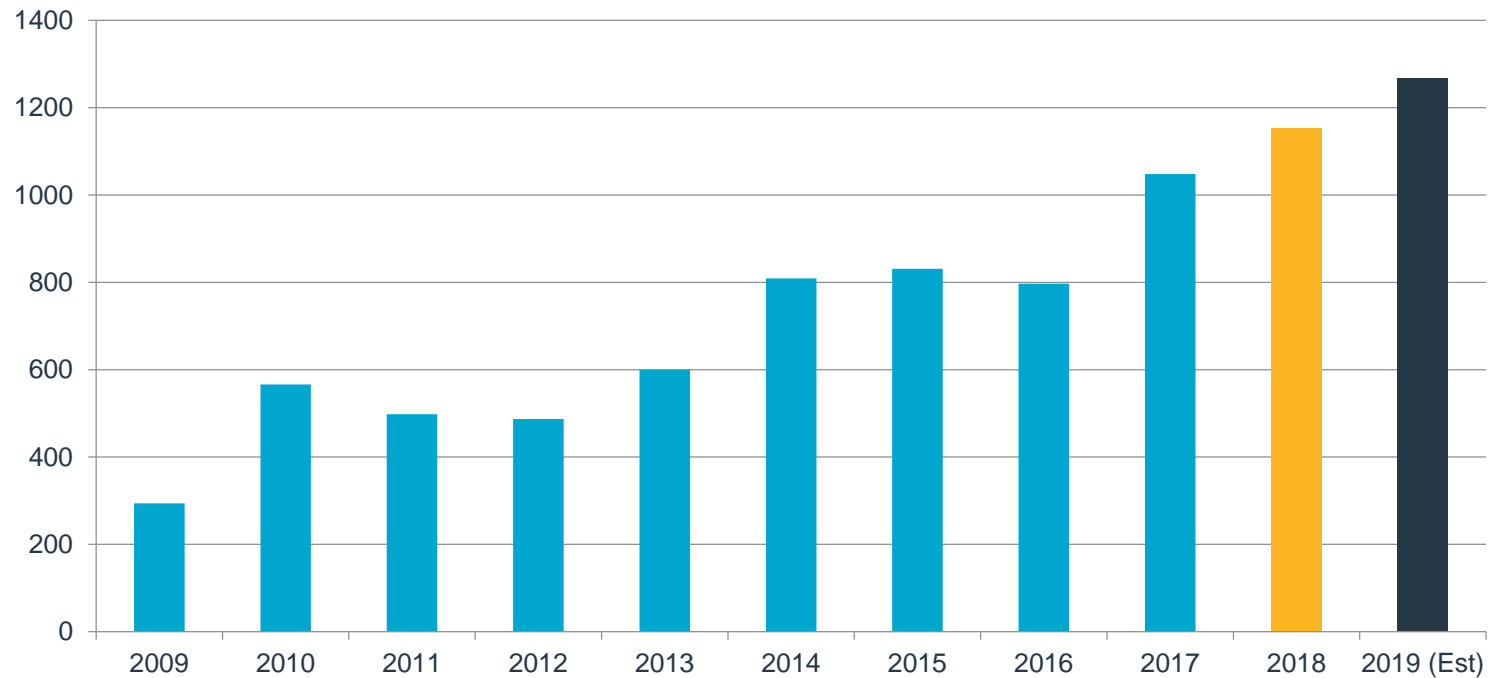
2018 program successes

Annual energy savings



Number of business upgrades

Total projects Efficiency Works Business





Efficiency Works™
Business

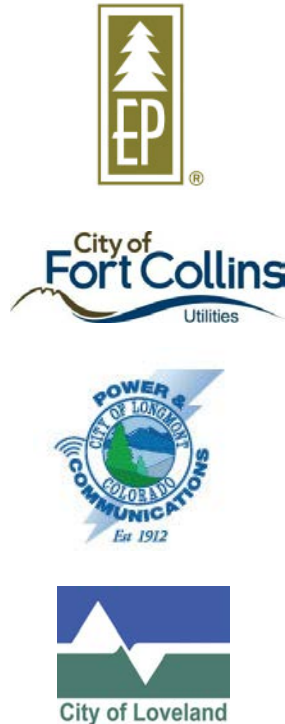
What's new with 2019?

- Funding
- 2019 rebates
- Rebate changes
- How to apply for rebates
- New programs in 2019
- Events

2019 program funding



+



=

=

=

=



Estes Park
projects

Fort Collins
projects

Longmont
projects

Loveland
projects





2019 rebates



- **Lighting** – LEDs and controls
 - **Cooling** – economizers, controls, evaporative cooling
 - **Envelope** – windows, insulation and cool roof
-
- **Food Service** – cooking and refrigeration equipment, and ice machines
 - **Grocery** – refrigeration cases, controls and EC motors
 - **Office & IT** – task lighting, ES computers and plug loads controls, thin client, server virtualization
 - **VFDs** – up to \$120 per HP, 75 HP max (fans, pumps, compressors)
 - **Custom** – cooling towers, compressed air, special controls, etc. (*Rebates based on \$0.10/kWh annual savings or \$500/kW*)



Door
prize

2019 sneak peek

Lighting: new LED fixtures



Upgrade type	Rebate amount \$/watt reduced (relative to existing)	New rebate amount with 25% bonus rebate
LED fixture (fluorescent replacement)	 \$1.25	\$1.56
LED fixture (HID or incandescent replacement)	 \$1.00	\$1.25

LED new fixture 25% bonus

- Projects pre-approved after December 1, 2018
- Completed and submitted for payment by November 15, 2019

2019 sneak peek

Lighting: controls

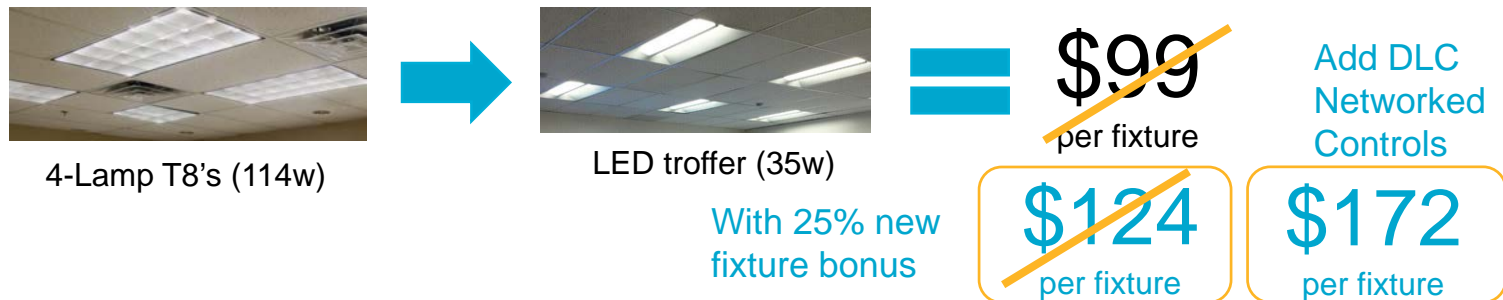
Upgrade type	Rebate amount \$/watt reduced (bonus rebate)	Requirement
DLC Networked Controls	 \$0.50	Must be on DLC list
Multi-Level Controls	 \$0.25	Must be a combination of 2 or more control features

2019 sneak peek lighting (retrofit examples)

HID to LED example



Fluorescent to LED example



2019 sneak peek


Water: more toilet options

Upgrade type	Rebate amount \$/watt reduced (bonus rebate)	Requirement
Tank toilet	\$75-\$100	WaterSense
Flushvalve toilet	\$75-\$100	WaterSense
Urinal	\$75-\$100	WaterSense

Note: Must be a Fort Collins Utilities water customer

2019 sneak peek


New rebate forms online



[About our Rebates](#) [Rebate Application](#) [Contact Us](#)

Commercial Rebates

Getting Rebates Has Never Been Easier




Apply for Commercial Energy Efficiency Rebates

Full Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius. Morbi at frugiat leo, at porta metus. Mauris semper scelerisque urna sit amet congue. Etiam fermentum, ante in cursus conno, in tunc laoreet quam, sit amet lacina ante eros in sapien. Morbi sodales tortor vitae purus rhoncus, sit amet maximus nisi vestibulum. Nullam sed semper vel. Aenean facilisis fructus auctor. Nam in turpis ante. Nunc aliquam tempor tellus, ac tristique risus semper non. Quisque ut lacus pulvinar tellus dapibus euismod.

Step 1: Select Available Rebates


You can select multiple rebates



Food Services

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Select Rebate



Grocery

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Select Rebate



Office and Appliance

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Select Rebate



Water

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Select Rebate



Envelope

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Rebate Selected



Cooling

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.


Select Rebate



Lighting

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius.

Select Rebate



[About our Rebates](#) [Rebate Application](#) [Contact Us](#)

Rebate Application

Step 3: Lighting Rebates

Full Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam varius id metus in fermentum. Phasellus varius magna id risus sagittis varius. Morbi at frugiat leo, at porta metus. Mauris semper scelerisque urna sit amet congue. Etiam fermentum, ante in cursus conno, in tunc laoreet quam, sit amet lacina ante eros in sapien. Morbi sodales tortor vitae purus rhoncus, sit amet maximus nisi vestibulum. Nullam sed semper vel. Aenean facilisis fructus auctor. Nam in turpis ante. Nunc aliquam tempor tellus, ac tristique risus semper non. Quisque ut lacus pulvinar tellus dapibus euismod.

Lighting Incentives Criteria

Rebate Bonus

A 25% rebate bonus is available for LED fixtures for any project pre-approved, completed, and submitted for payment by November 15, 2018 in Fort Collins, Longmont, and Estes Park (no longer available in Loveland).

Lighting Item 1	
Existing Fixture Type	Information
Field 1	Field 1
Rebate Category	Information

Total Rebates
\$150.00

Lighting Rebates
\$75.00

Water Rebates
\$25.00

Water Rebates
\$50.00

Water Rebates
\$0.00

Your Estimated Annual Energy Savings

Electricity Savings
0 kwh

2019 sneak peek

New programs:

- Building Tune-Up tier 1 revamp
- New Construction program
- Expanding Multifamily program
- Service provider tiers



Important dates

DECEMBER 2018						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Pre-approvals begin with new rebates!			1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	2018 project payment submittal deadline				

2019 rebate application:

Dec. 1, 2018

Application found at:
EfficiencyWorks.org

2018 projects:

Projects submitted by
Dec. 31, 2018

Important dates

JANUARY 2019						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
		Longmont training				
20	21	22	23	24	25	26
		Fort Collins training				
27	28	29	30	31		

2019 training events

Efficiency Works

Business:

2019 Getting us to 2020

- Jan. 17th – Longmont
- Jan. 24th – Fort Collins

Register at:

EfficiencyWorks.org

Important dates

NOVEMBER 2019						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
10	11	1	2019 bonus completion date! —		15	16
17	18	19			22	23
24	25	26	27	28	29	30

2019 lighting bonus

- 25% incentive bonus for new LED fixtures
(does not apply to new construction or major renovation upgrades)
- Projects must be pre-approved after Dec. 1, 2018
- Completed and submitted for payment by Nov. 15, 2019



Door
prize

2019 Efficiency Works Business service provider contributor awards

Largest Energy Saver: Single Project

Orange Energy Solutions

- Healthcare facility
- Over 1.0M annual kWhs
- Interior and exterior lighting
- Estimated \$78,000 annual electric savings

Largest Water Saver: Single Project

ES Conservation

(Multifamily property)

- 4,491,990 gallons annually
- \$24,382 estimated annual cost savings
- Project details
 - 300 WaterSense toilets
 - 300 WaterSense shower heads
 - 60 faucet aerators

Largest Energy Saver: Service Provider

Orange Energy Solutions

- Over 3.5M annual kWhs
- 418 upgrades completed
- Grocery and lighting upgrades
 - Gaskets, strip curtains, door closers, LED case lighting, interior and exterior lighting

Most Innovative Project

Trane

Budweiser Events Center

Ice chiller system

- 244,796 kWh annual energy savings
- \$28,426 annual savings
- Upgraded to variable speed pumping and VFD chillers from constant speed cooling system

Excellence in Customer Service

Mac Electric & Lighting Company

- Completed projects in Fort Collins, Longmont and Loveland
- 20 projects completed in 2018
- Lighting upgrades saving almost 700,000 kWhs annually
- Perfect customer rating of 5.0

Efficiency Works Honorable Mention

Going Green NRG

- Arrived in 2017
- 9x increase in number of projects in 2018
- Almost 800,000 annual kWhs
- Saving \$57,000 annually for our customers
- 20 upgrades completed
- Interior and exterior lighting upgrades



Door
prize



Estes Park | Fort Collins | Longmont | Loveland

**Thank you for your hard work
and enjoy your evening**

