



# Poudre ReNew Our Schools Reception

November 7, 2017



# ReNew Our Schools Mission/Background

*We aim to empower students with the skills and confidence to become leaders in energy and sustainability at school, home and throughout life.*

*\*We aim to be a catalyst for energy conservation programs in school districts.*

**Your role was to assist students in achieving these important goals!**

Wellington  
Ecology Club



# Fall 2017 Program Overview

- An energy reduction competition
  - September 25– October 27<sup>th</sup> (5 weeks)
  - 16 schools from K-12
  - 3 cohorts
  - Schools compete in 3 areas
    - School Measured Savings
    - Home Energy Actions
    - School Energy Actions
  - Points from each area were added to determine winners!

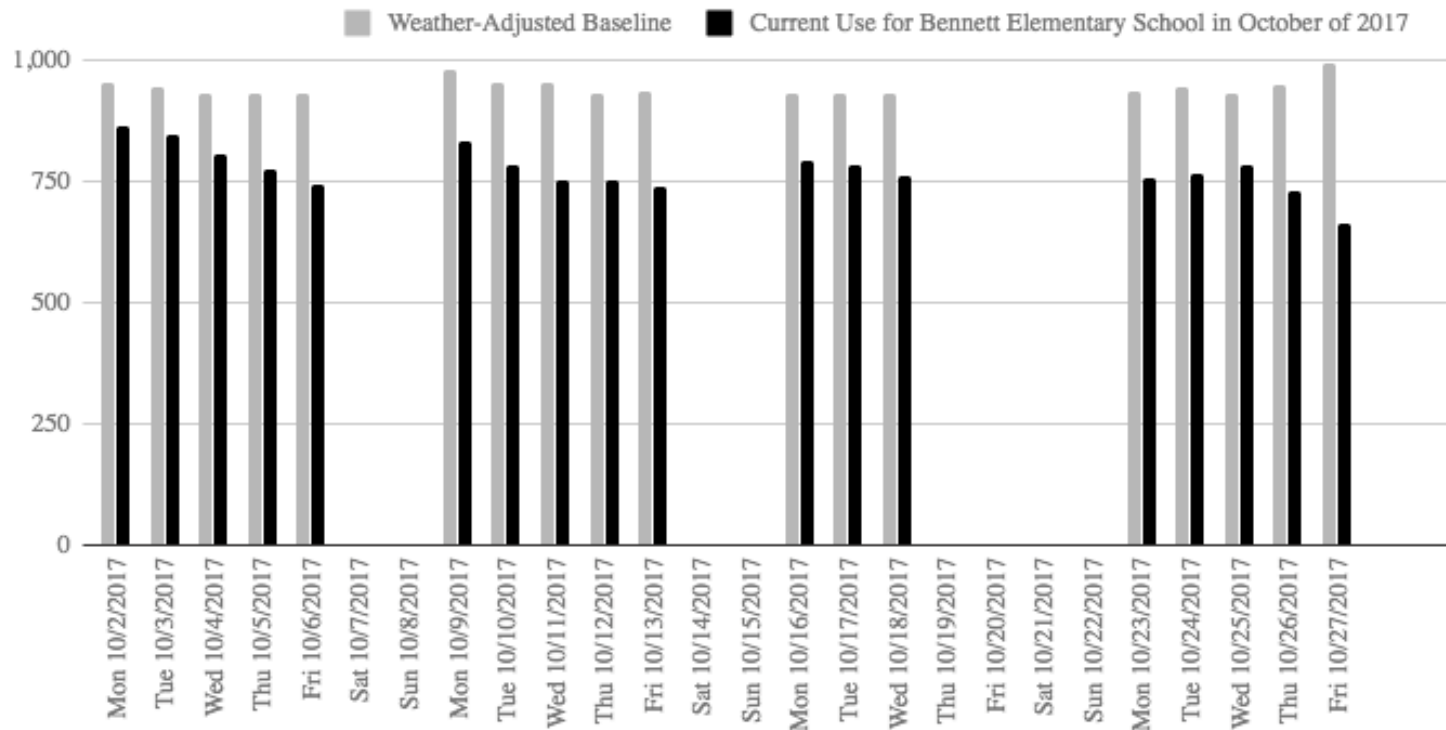


*Webber Poster*

# School Measured Savings

## Rationale

- % change in electricity compared to 'typical use'
- Behavior means/no cost measures





# Home Energy Actions (HEA)

## Rationale

- Homes earned points for their school by completing pledge
- Students become teachers

### Polaris Expeditionary



Name of Student: \_\_\_\_\_ School: \_\_\_\_\_



## HOME ENERGY ACTIONS

This Home Energy Action (HEA) form gives you a way to support your school AND save energy in your home! **You will need a recent copy of your home electricity bill or internet access in order to complete this survey.**

*Rules: You can only submit one form per household, but students may get neighbors and friends in the community to submit an HEA to support their school. A household can only support one school. In order to earn a point for your school, you must **submit Part 1** of this form.*

### Household Pledge to Save Energy

The following pages have 3 categories that are the areas of the highest energy use in a typical home. You must pick at least 1 energy-saving suggestion in each category that you will pledge to do during the competition.

#### Part 1: Make a Pledge

Review the actions in each category and check the box ("yes", "no", or "sometimes") that applies to your house. **Pick 1 suggestion that you said "no" or "sometimes" to under each of the 3 categories.**

#### Part 2: Write your Pledge

Fill out this section with the actions you are going to focus on for the competition. Cut out this section and hang it in your house.

# School Energy Actions

- **Establish an Environmental Club** (up to 20 points)
- **Signage Submission** (10 points + 5 bonus points!)
- **School Audit** (40 points)
- **Video Submission** (15 points)
- **Energy Lesson Plan** (15 points)

Boltz Light  
Savings Force



# 3 Cohorts

## Cohort 1

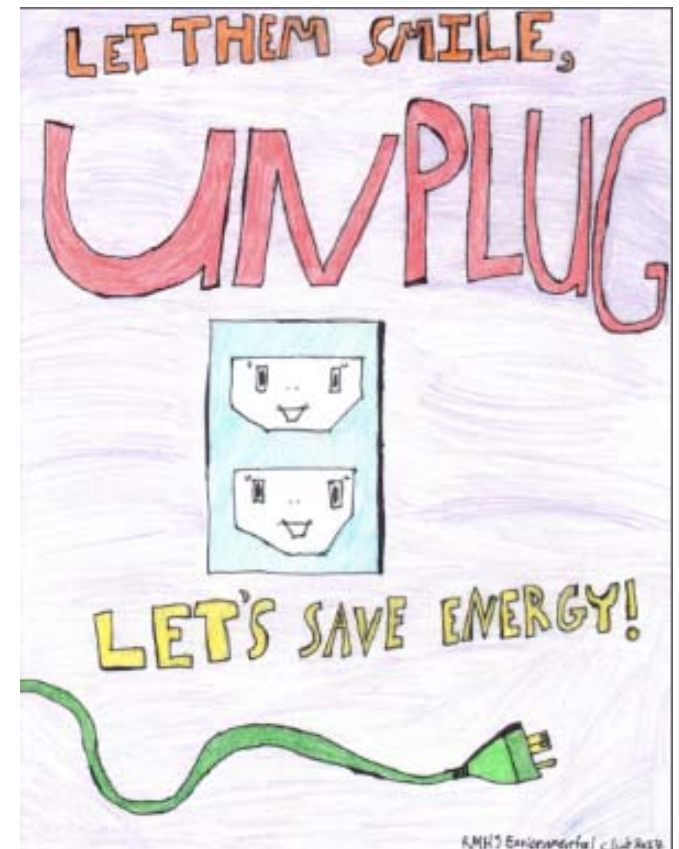
- \* Fort Collins HS
- \* Fossil Ridge HS
- \* Poudre HS
- \* Rocky Mountain HS

## Cohort 3

- \* Bennett ES
- \* Polaris Expeditionary
- \* PSD Global Academy
- \* Shepardson ES
- \* Tavelli STEAM

## Cohort 2

Blevins MS  
Boltz MS  
Kinard MS  
Leshner MS  
Lincoln MS  
Webber MS  
Wellington MS



Rocky Mountain Poster



# Awards & Results

**Top Performer in each cohort: \$10,000**

**2<sup>nd</sup> place in each cohort: \$2,000-\$5,000**

Award money will be used towards an alternative energy or energy efficiency project for the school building.

Accepted projects based on predetermined list and consensus of students, school administrators, District staff and donors.

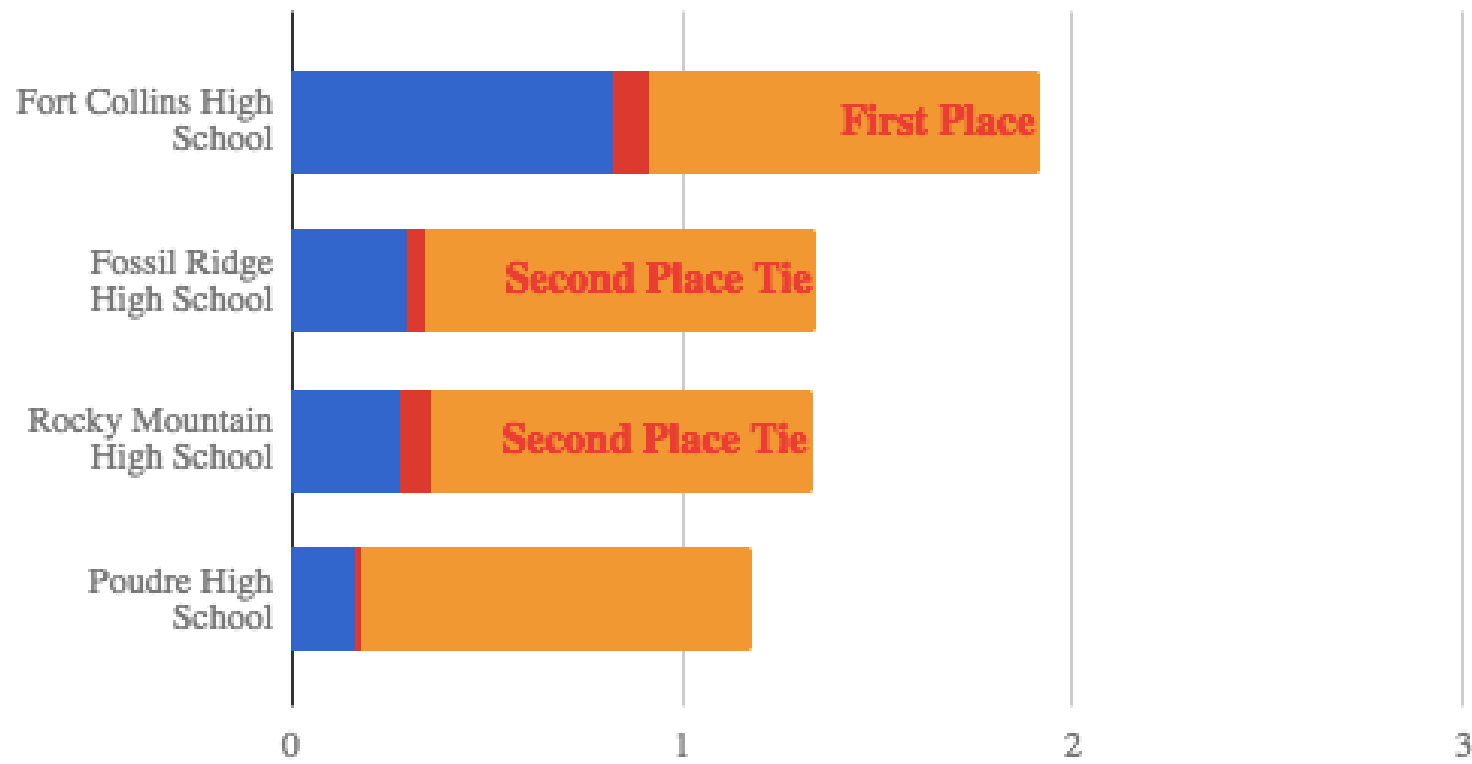


*Tavelli KWz Detectives*



# Cohort 1:

## *Tie for 2<sup>nd</sup> place*



# Cohort 1: 2<sup>nd</sup> place(tie)

## Rocky Mountain High School

- \* **Champion:** Sarah Bucko
- \* **Principal:** Craig Woodall
- \* **Mentor:** Jon Dufault, Trane

\$2,000

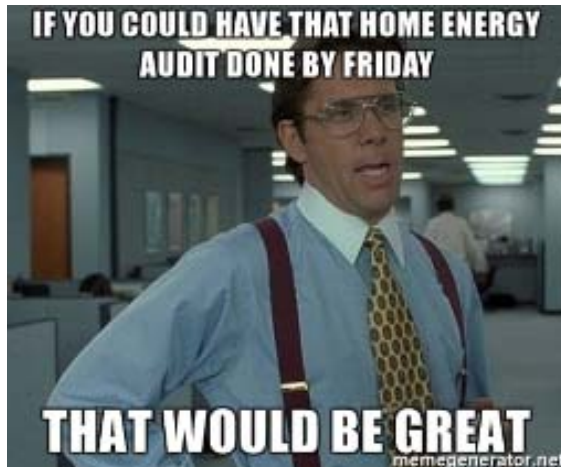


# Cohort 1: 2<sup>nd</sup> place (tie)

## *Fossil Ridge High School*

- \* **Champion:** Nick Peterson
- \* **Principal:** Will Allen
- \* **Mentor:** Ara Massey, HCM

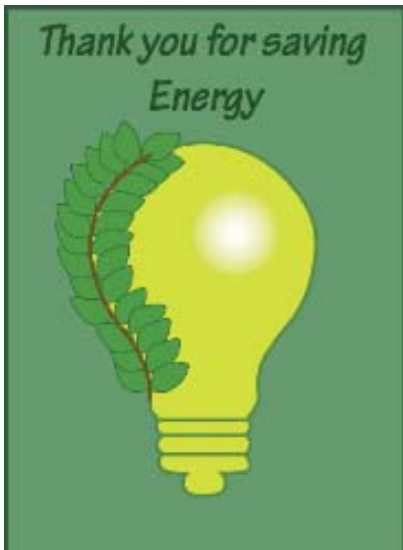
\$2,000



# Cohort 1: 1<sup>st</sup> Place Winner Fort Collins High School

- \* **Energy Savings– 20.5%!**
- \* **Home Energy Actions – 9.5%**
- \* **School Energy Actions --100%**
- \* **Champions:** Kristina Runde,
- \* **Principal:** Mark Eversole
- \* **Mentor:** Noah Welshans, McKinstry

**\$10,000**





# Cohort 2: 3rd place **Boltz Middle School**

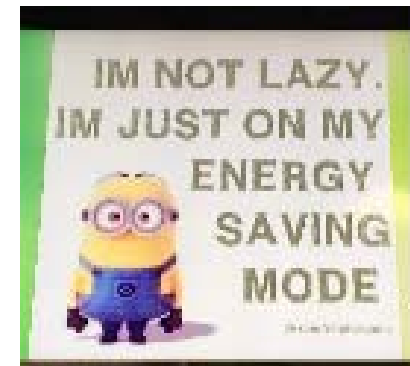
- \* **Energy Savings-4%**
- \* **Home Energy Actions-78%**
- \* **School Energy Actions-100%**
- \* **Champion:** Beth Rasmussen
- \* **Principal:** Brett Larsen
- \* **Mentor:** Alaina Hawley, PRPA

\$3,000



# Cohort 2: 2nd place *Leshar Middle School*

- \* **Energy Savings-18%**
- \* **Home Energy Actions-70%**
- \* **School Energy Actions-100%**
- \* **Champion:** Angel Herrick
- \* **Principal:** Tom Dodd
- \* **Mentor:** Brian Tholl, City of Fort Collins



# Cohort 2: Winner!

## Kinard Middle School

\$10,000

- \* **Energy Savings-19%**
- \* **Home Energy Actions-80%**
- \* **School Energy Actions-100%**
- \* **Champion:** Brad Lardner, Shelley Tracy
- \* **Principals:** Jesse Morrill, Chris Bergmann
- \* **Mentor:** Taylor Lewis, CEO





# Cohort 3: 2<sup>nd</sup> place (tie)

## PSD Global Academy

\$2,000

- \* **Energy Savings-16%**
- \* **Home Energy Actions-75%**
- \* **School Energy Actions-100%**
- \* **Champion:** Alice James
- \* **Principal:** Cheryl Fenlason
- \* **Mentor:** Steve Morgan, BEE





# Cohort 3: 2<sup>nd</sup> place (tie)

## Bennett Elementary

\$2,000

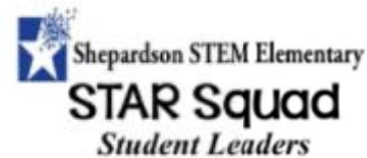
- \* **Energy Savings-18%**
- \* **Home Energy Actions-71%**
- \* **School Energy Actions-100%**
- \* **Champion:** Heather Bulen
- \* **Principal:** Amy Smythe
- \* **Mentor:** Emily Olivo



# Cohort 3: 1<sup>st</sup> Place Winner! *Shepardson Elementary*

\$10,000

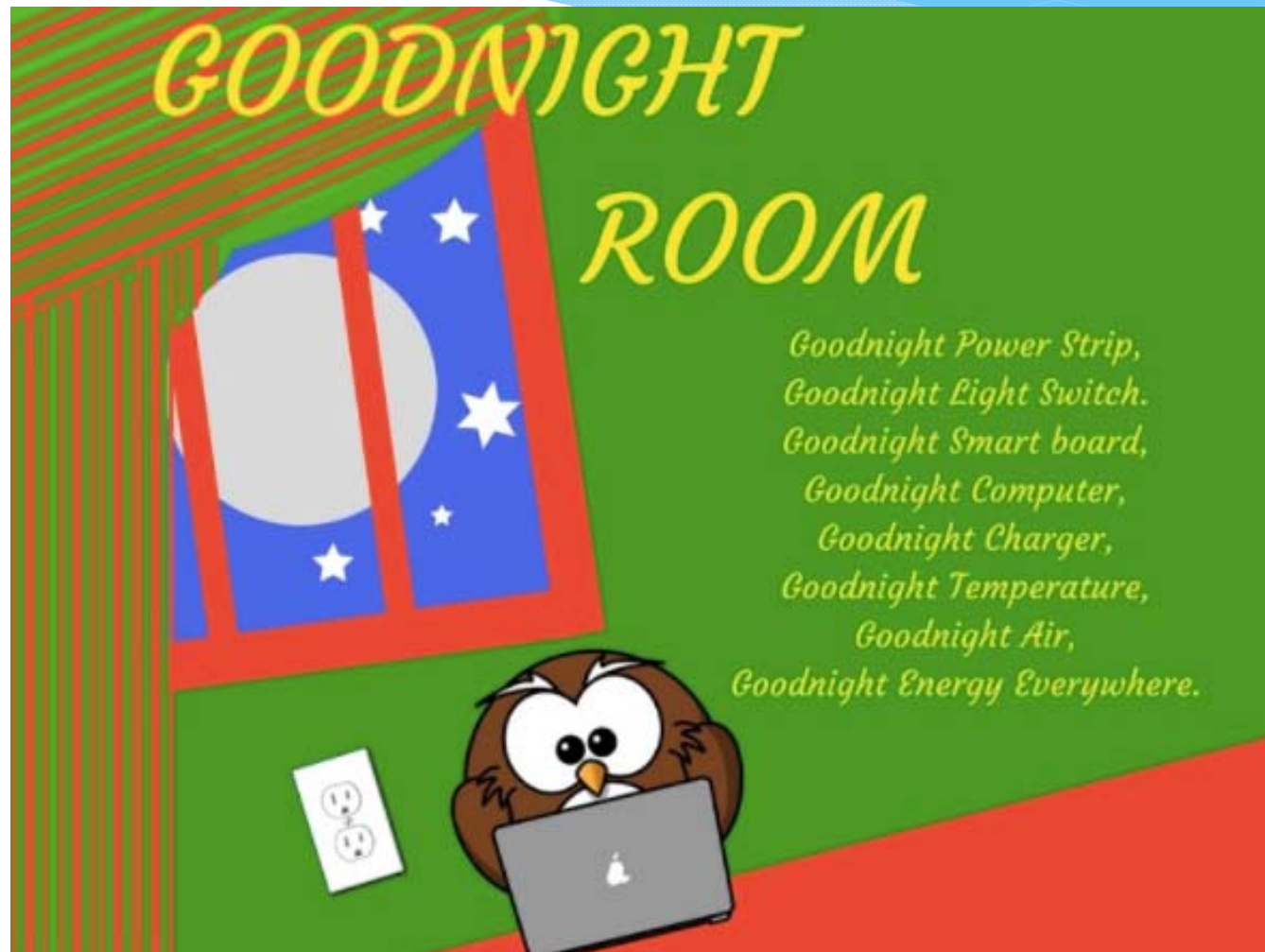
- \* **Energy Savings**-24%
- \* **Home Energy Actions**-60%
- \* **School Energy Actions**-100%
- \* **Champion:** Becky Woodcox
- \* **Principal:** Alissa Poduska,  
Wayne Thornes
- \* **Mentor:** Brianne Smith, RB&B  
Architects



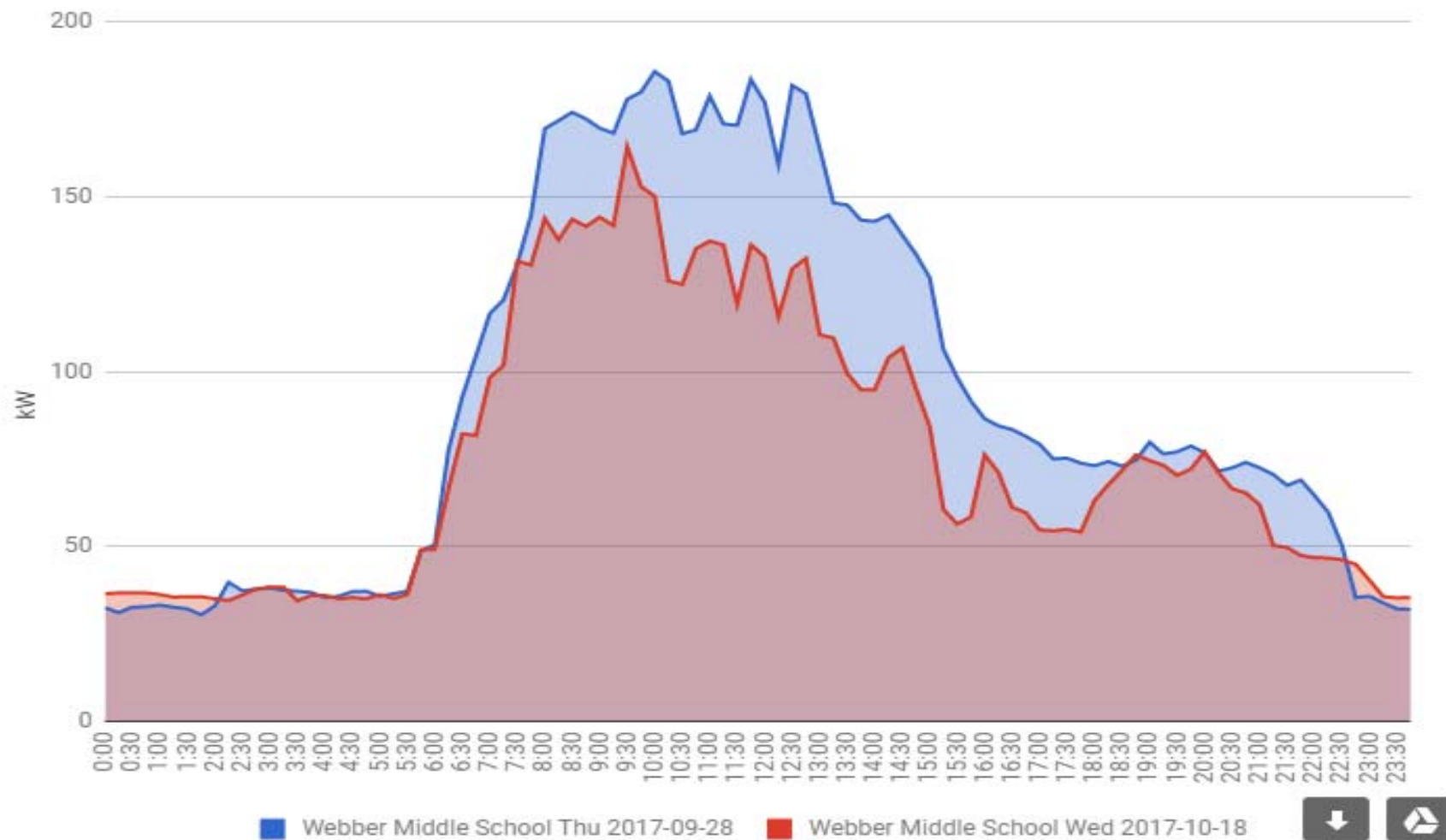
GREEN Team!



# Winning Poster- Boltz Middle School

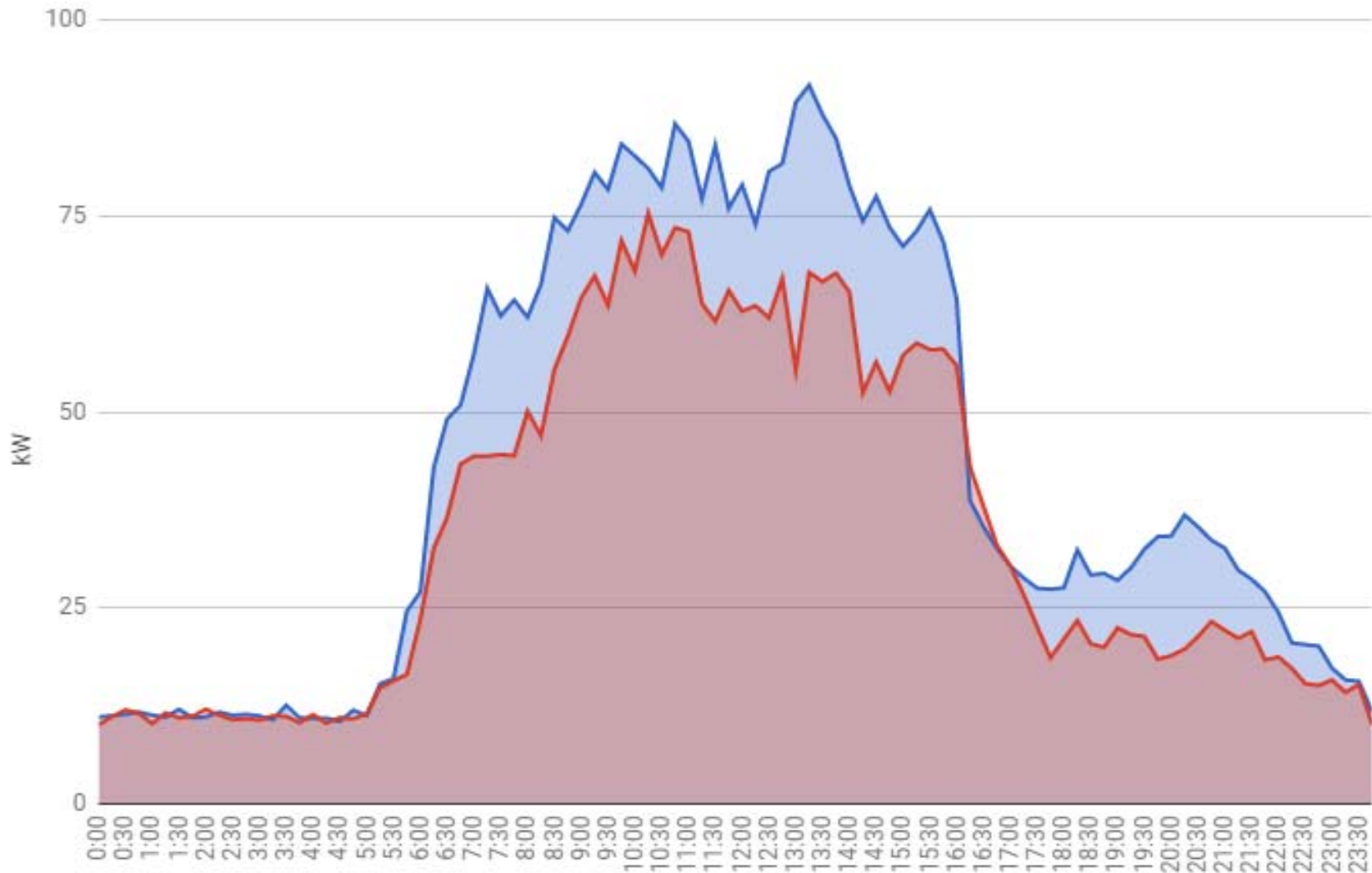


# Webber Middle School





# Shepardson Elementary



Shepardson Elementary School Fri 2017-09-22

Shepardson Elementary School Mon 2017-10-09



# Home Energy Actions

1. If your household gets a utility bill, how many kilowatt-hours (kWh) and therms did your household use on a recent bill?  
1,566 kWh 54 Therms

2. If your household receives a utility bill, log in to your account online (myaccount.xcelenergy.com). Under "Energy Summary" and "Neighbor Comparison" it shows how your energy use compares to your neighbors. Briefly explain how you compare to your neighbors here:  
we use 259% more than neighbors

3. If you do not get a utility bill, go to the Energy Calculator website and fill out your usage. What is your estimated monthly kWh usage? <http://www.cpi.coop/my-account/online-usage-calculator/>  
13323

monthly kWh usage? <http://www.cpi.coop/my-account/online-usage-calculator/>  
3901  
?? What ??  
Holy Cow!

use on a recent bill:  
1023 kWh

If your household receives a utility bill, log in to your account online (<http://www.fcgov.com/utilities/> or <https://myaccount.xcelenergy.com/>). Under "Energy Summary" and "Neighbor Comparison" it shows how your energy use compares to your neighbors. Briefly explain how you compare to your neighbors here:  
We used 62% more than our neighbors :8

If your household receives a utility bill, log in to your account online (myaccount.xcelenergy.com). Under "Energy Summary" and "Neighbor Comparison" it shows how your energy use compares to your neighbors. Briefly explain how you compare to your neighbors here:  
We use 7% less than our neighbors.

If you do not get a utility bill, go to the Energy Calculator website and fill out your usage. What is your estimated monthly kWh usage? <http://www.cpi.coop/my-account/online-usage-calculator/>  
[ ]

Briefly explain how you compare to your neighbors here:  
horrible, almost 1000 more than average

If you do not get a utility bill, go to the Energy Calculator website and fill out your usage. What is your estimated monthly kWh usage? <http://www.cpi.coop/my-account/online-usage-calculator/>  
1500