



# Peer Pressure for Good: Using Behavior Change to Spur Action



Alexis Troschinetz
Clean Energy Resource Teams

YES! Fall Summit September 30<sup>th</sup>, 2015

## Today's Workshop



- About CERTs
- Behavior Change Science
- Work in Teams 5 scenarios
- Each Team Shares 1 minute



#### **CERTs:**

# Minnesotans Building a Clean Energy Future



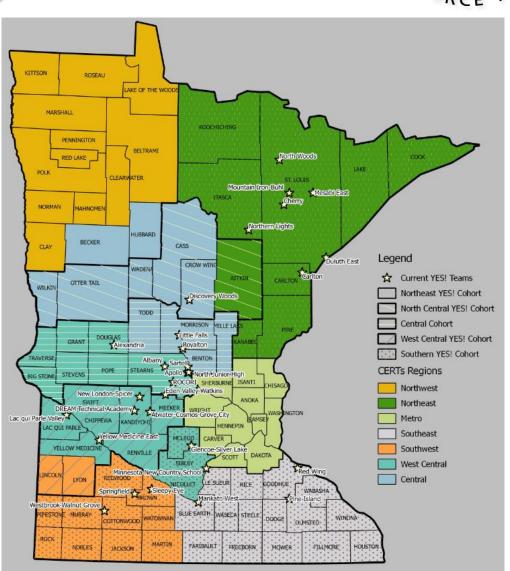
Mission: We connect individuals and their communities to the resources they need to identify and implement community-based clean energy projects











#### What Does CERTs Do?



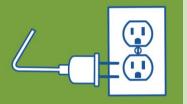


Write blog posts & case studies

Create educational guides

Manage diverse web-based tools





Host events, tours, and conferences

Help with community organizing

Connect people to technical resources





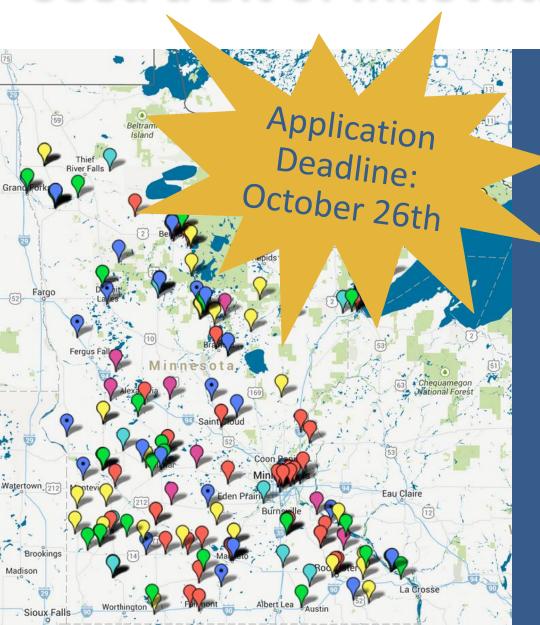
Provide seed grant funding and more

Deliver research-based campaigns

Spur other statewide programs

#### Seed a Bit of Innovation





Catalyzing grants for community-based clean energy projects in MN

Past funding: Over 223 projects have received seed grants since 2006



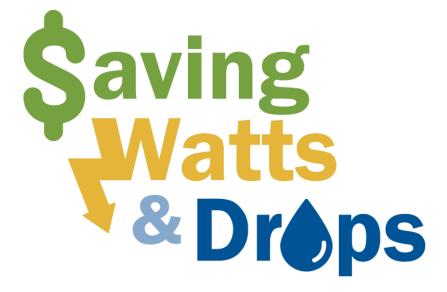
CleanEnergyResourceTeams.org/RFP

# **Encourage CERTified Actions**



Campaigns: Clear, actionable ways to save energy





CleanEnergyResourceTeams.org/LEDCanopy

Coming soon....

## **Behavior Change Science**



Step 1

Step 2

Step 3











## **Behavior Change Science**



Step 1

Step 2

Step 3











#### **Audiences**





A	В	C	D	E
Middle School Students	Elementary School Students	Seniors	Farmers	Residential

# **Accessing Audiences**





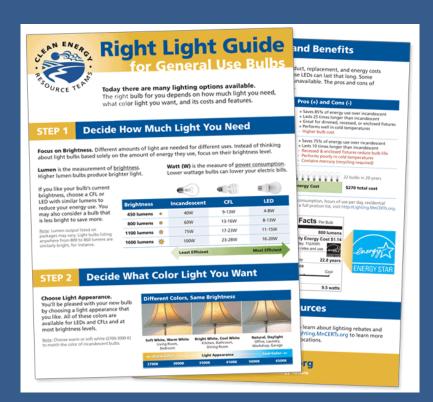


A	В	C	D	E
Middle School Students	Elementary School Students	Seniors	Farmers	Residential
Community Center for After School Programs	Elementary School Classrooms	Independent Senior Living Center	Farms with Tractors	Homes

#### **Behavior**



- One-time vs. repeat
- End-state
- Non-divisible







#### **Behavior**





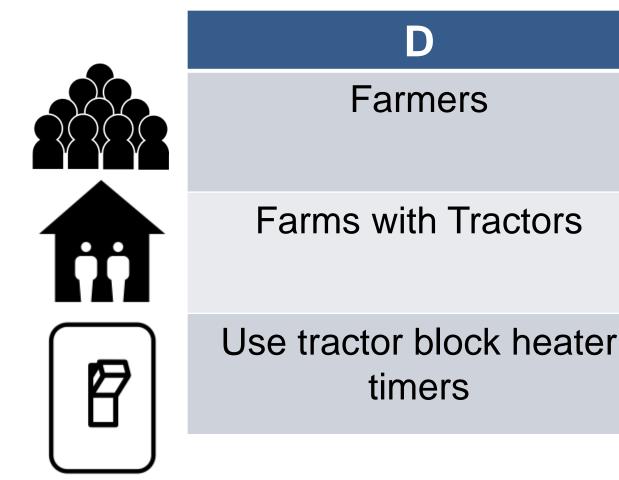




A	В	C	D	Ε
Middle School Students	Elementary School Students	Seniors	Farmers	Residential
Community Center for After School Programs	Elementary School Classrooms	Independent Senior Living Center	Farms with Tractors	Homes
Shut off the lights	Use blinds to reduce building energy use	Use energy efficient light bulbs	Use tractor block heater timers	Reduce desktop computer vampire load

#### **Behavior & Audience**





## **Behavior Change Science**



Step 1

Step 2

Step 3











#### **Barriers & Benefits**







**Seniors** 



Independent Senior Living Center

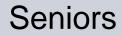


Use energy efficient light bulbs

#### **Barriers & Benefits**







Center

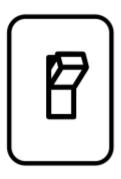
bulbs

efficient light





	<b>~~</b>
High upfront cost	Reduced electric bill with a fixed income
Inability to change the bulb	Increase brightness for less energy
Selecting the right color, brightness	Reduced A/C use with cooler bulbs



#### **Barriers & Benefits**

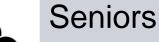






REPARA





High upfront cost

Reduced electric bill with a fixed income



Independent Senior Living Center Inability to change the bulb

Increase brightness for less energy



Use energy efficient light bulbs

Selecting the right color, brightness

Reduced A/C use with cooler bulbs

High

High

## **Behavior Change Science**



Step 1

Step 2

Step 3





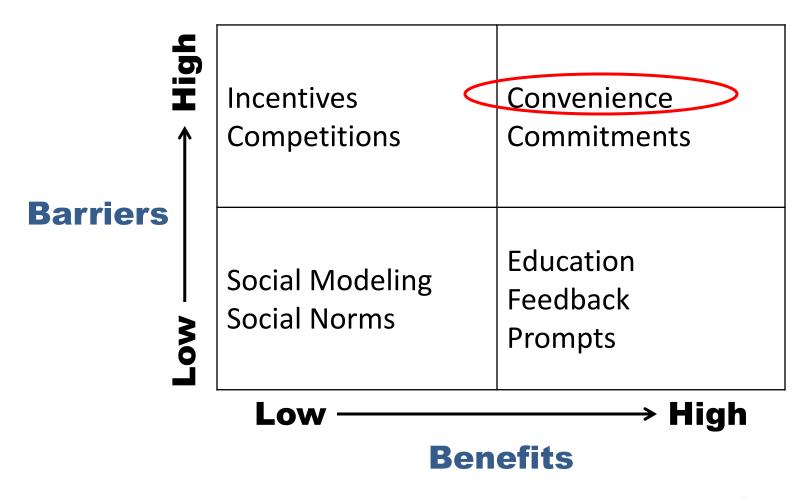






## **Key Strategies Table**





Source: W. Schultz

# FAMILY ENERGY

# FACE-OFF



Competition

# **Family Energy Face-Off**



**Goal Setting** 

SCORE: 198,585 Members: 201 Actions: 5,238



# **Family Energy Face-Off**



#### **Social Diffusion**

SCORE: 198,585

Members: 201

Actions: 5,238

Mill Pond Minimizers : Team Members				
Member	Actions	City	State	
Abby F.	37	Minneapolis	MN	
Aleta K.	20	Lanesboro	MN	
Alexis T.	41	Minneapolis	MN	
Allison K.	18	Minneapolis	MN	
Amanda R.	42	Pennock	MN	
Amy B.	23	Annandale	MN	
Angela H.	33	Nisswa	MN	
Anitra L.	51	Spicer	MN	
Arthur N.	21	New Alondon	MN	
Ashley W.	12	Willmar	MN	
Audrey A.	45	Montevideo	MN	
Barbara P.	29	Porter	MN	
Beth F.	23	Willmar	MN	
Beverly T.	37	Spicer	MN	
Bob B.	15	Willmar	MN	
Bob B.	15	Willmar	MN	
Bob R.	29	Bird Island	MN	
Brent M.	20	Lanesboro	MN	

# NEW LONDON, MN MILL POND MINIMIZERS

#### Team's top five actions:

- 1. 5 pts Turn off lights at home when no one is in the room
- 2. 10 pts Turn off the water when you brush your teeth
- 3. 15 pts Use a reusable water bottle with tap water instead of purchased bottled water for a week
- 4. 10 pts Turn TV off when no one is watching for a week
- 5. 5 pts Use re-usable shopping bags at the store

# Make A Splash



#### Benefit from great prices on moneysaving upgrades

Spray Valves \$68.00 \$28.00 each **Faucet Aerators** 

\$2.00 \$0.50 each

#### **Incentive**

Through August 2013 you can take advantage of discount prices on efficient upgrades to your pre-rinse spray valves and faucet aerators.

Join others to save thousands of gallons of water and associated energy, which means more money in your pocket.



**Social Norming** 

With a payback of 1-2 months, this is one of the smartest upgrades you'll ever make. Pre-rinsing can account for half the water costs in a kitchen.

Get the same pressure and performance while using 60%

less water and saving \$410 a year on water and energy costs.

Busy hand washing stations require a lot of hot water.

Get hands clean while saving over 75% on water, sewer, and energy

costs with these faucet aerators—and installation could not be easier!

#### ANNUAL SAVINGS



31,000 gallons





9,200 gallons

WATER

ANNUAL SAVINGS



water amount that was used with my old spray valve and realized that I don't need a lot of water. I need

I saw a big difference in the

that I don't need a lot of water. I need good water pressure. The new spray valve has great pressure and gets the job done!

Oscar Reyes, Las Mojarras Restaurant

MONEY

Assumptions - Base flow: 3.0 gallons per minute (industry average), Program model: 1.28 gallons per minute; 300 days used/uper, 1 hour use/day; Cost references: City of Minneapolis and CenterPoint Energy. Actual savings depend on usage...

WATER

**ENERGY** 

Assumptions - Base flow: 2. 0.5 gallons per minute; 300 Cost references: City of Minion usage. MONEY

**Education** 

## **Gobbling Up Savings**



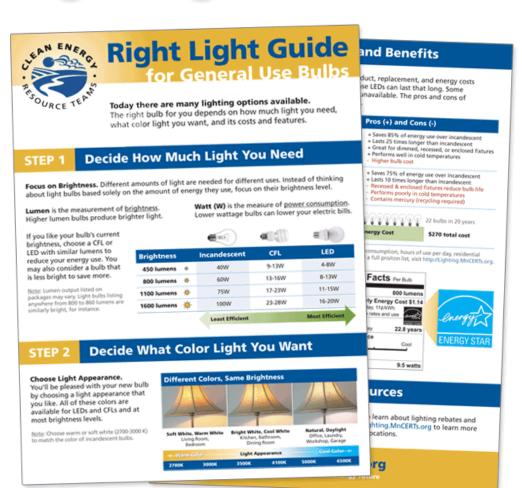




**Authority** 



# **Right Light Guide**





**Education** 

Communication

**Scarcity** 

Incandescent bulb phase-out

#### **GreeNYC**







**Social Modeling** 







Source: GreeNYC

#### **GreeNYC**





Source: GreeNYC

#### Roles



#### Timekeeper

make sure the group stays on track & will be ready to present

#### Recorder

complete the worksheet for the group

#### Includer

make sure everyone's voice is heard & follow the worksheet for the group

#### Speaker

complete the worksheet for the group

#### **Future Contact**





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