# Welcome! Introductions





### Agenda

- 9:45-10:10: DSM Overview Derek
- 10:10-10:25: EDA Overview: Manual & Open EDA Path
- 10:25-11:10: Xcel Energy Engineering and Protocol; testing results
- 11:10-11:20: Break

Resources

- 11:20-12:20: EDAPT and Open Studio overview and walk through
  - 12:20-1:30: Lunch (account managers arrive at 1-1:30 for meet and greet; consultant overview)
    - 1:30-2:00: Marketing, Rules of Engagement;

# **DSM Overview – Derek Shockley**



Xcel Energy's Commercial – Industrial Energy Efficiency Programs

> 2013 Colorado DSM Business Program Updates

# **Trade Relation Managers**

Derek Shockley 303-294-2082 John.D.Shockley@XcelEnergy.com

**Commercial Programs Handled by Derek:** 

- Lighting Efficiency, Data Center Efficiency, Recommissioning, Computer Efficiency
- Business New Construction including Energy Design Assistance, Energy Efficient Buildings,

Bob Macauley 303-294-2675 <u>Robert.Macauley@XcelEnergy.com</u>

**Industrial Programs Handled by Bob:** 

- Heating Cooling, Compressed Air, Motors/VFDs
- Refrigeration Efficiency, Energy Management Systems

We can help you with Custom Efficiency and Energy Analysis

### **Electric Service Territory**



### **Natural Gas Service Territory**



# Colorado Contact Information Energy Efficiency Specialists Business Solutions Center (BSC)

Energy Efficiency Specialists serve small to mid-sized business customers trade allies to help them develop long-term energy management programs.

#### 1–800–481–4700 M - F 8 a.m. – 5 p.m. MT

- Learn about program details, qualifications and deadlines
- Get assistance with completing applications, rebate forms, customer proposals, projects and rebate status
- Request customer billing history (signed utility releases consent form required)
- Mid Market field rep available for on site help



# **Account Managers**

- Account Managers serve largest electric-gas customers
  - Note: We do not share our customer lists or contact information with outside companies, nor do we endorse the products or services of one vendor over another, or recommend specific vendors for projects.
- At your request, we work to meet your customers' needs and fulfill projects related to our energy efficiency programs.
- Contact an Account Manager to:
  - Complete a customer proposal or project
  - provide assistance for any energy savings opportunities that may qualify for a rebate

### Environmental Leadership Responsible By Nature

#### ◆ No. 1 wind power provider – 8<sup>th</sup> consecutive year AWEA.org

- Windsource<sup>®</sup>
  - One of the largest voluntary green-pricing program in USA

#### No.5 in solar capacity

- ◆One of largest photovoltaic systems and growing 8.2 megawatts
- Solar\*Rewards 7,146 solar systems, 75.9-DC megawatts

#### Energy Star 2012 Award for Sustained Excellence

#### 2012-2013 Dow Jones Sustainability Index for the sixth year.

The DJSI tracks for investment purposes the financial performance of companies considered best in class for sustainability. Companies are selected based on their strategy, management approach and performance in managing specific economic, environmental and social opportunities and risks.



## **Detailed Biennial Plan**

- 2012 / 2013 Biennial Plan was approved by PUC on January 9th, 2012
- Bulk of the current plan is still in place for 2013
- Rebate programs subject to 60/90 days notice of change or cancellation
- Visit XcelEnergy.com to verify program status



# **Energy Savings Goals - Colorado**

- **2012**:
  - Business Electric Savings:
    - 199 GWhs
  - Gas Savings: 435,054 Dth (all programs)
  - Electric: 330 GWhs all programs)
- **2013:** 
  - ◆ Business Electric Savings: 214 GWhs
  - Gas Savings: 428,310 Dth (all programs)
  - ◆ Electric: 356 GWhs (all programs)

#### **Comanche Power Plant in Pueblo:**

Unit 1-325 MW Unit 2-335 MW Unit 3-750 MW Total production capability: 1410 MW Colorado's largest power plant

# **How Xcel Energy Helps**

- Provides incentives to customers to adopt energyefficient technologies
- Rebates are an incentive to promote energy efficiency in the marketplace
- The long term energy savings over the life of the equipment is paramount
- Xcel Energy brand name and neutral third party endorsement

Results: long term energy savings and quicker project payback for customers

# **Xcel Energy's Efficiency Programs**

Cash rebates (not bill credits)

### Qualifications:

- Colorado business customers who buy electricity and/or gas directly from Xcel Energy
- Customers must pay monthly Demand Side Management Cost Adjustment (DSMCA).
- Gas Transport customers do not qualify
- Xcel Energy customer can assign rebate to alternate recipient



# **Business Programs Summary**

1. Studies & Audit-Based Incentives

Preapproval required

2. Prescriptive Rebate Programs

Preapproval NOT required

3. CUSTOM Rebate Programs

Preapproval required

### **Studies/Audits**

#### Xcel Energy funds a portion of a study – providing you with an understanding of how your facility or unique systems use energy and identifies rebate opportunities..

#### \*\*\*Preapproval required

 Customer can take advantage of rebates from prescriptive or custom programs based on study recommendations. **Programs include:** 

- Commercial Real Estate
- Compressed Air
- Data Center Efficiency
- Energy Analysis
- Lighting Efficiency: Redesign
- Process Efficiency
- Recommissioning
- Refrigeration Recommissioning
- Standard Offer

# **Process Efficiency**

Filed a 60 day notice and received approval in late 2012 to add a Commercial customer component

Still must meet the minimum 2 GWh of savings potential

Will follow the same format as the Industrial component

- Create and implement a sustainable energy plan typically delivered in three phases
  - Phase 1: Identification
  - Phase 2: Scoping
  - Phase 3: Implementation

# **Prescriptive Programs**

#### Predetermined rebate amounts and related savings for various energy-saving technologies

#### Preapproval is NOT required

- Offer a set rebate amount and are based on defined equipment and efficiency qualifications as listed on each programs application.
- Most prescriptive programs have a 60% rebate project cap.

#### **Programs include:**

- Computer Efficiency
- Business new Construction
  - Energy Efficient Buildings
- Cooling Efficiency
- Heating Efficiency
- Lighting Efficiency
  - New Construction- Energy Efficiency Buildings
- Small Business Lighting
- Motors and Variable Frequency Drives

### **Prescriptive Programs:** Resulting from the Innovative RFP Process

### Refrigeration Efficiency

- Includes on-site refrigeration energy audit
- Mainly for liquor stores, convenience stores, restaurants, supermarkets
- Prescriptive rebates for walk-in ECM, anti-sweat heat controls, LED case lighting, night curtains and enclosed reach in cases



# **Direct Evaporative Pre-cooling**

- 60 day notice filed 1/25/2013 for a new Direct-Evaporative Pre-cooling for Air-Cooled Condensers (DEPACC) measure.
- The measure will focus on retrofits for existing commercial rooftop units (RTU's) of <u>10 tons or greater</u>.
- The DEPACC installation uses advanced evaporation technology to take advantage of the latent heat capacity of hot dry air to improve reliability, affordability and comfort of existing air conditioning equipment.
- The evaporative pre-condensing system attaches a membrane filter device upstream of the refrigerant condensing coil of any <u>10 ton or greater</u> cooling system providing lower temperature refrigerant condensing air.
- This decreases the required work of the compressor and increases the effective capacity of the air cooling system.
  - Marketing of the measure will be managed by a third-party consultant (Cypress)

Prescriptive rebate of \$100 per ton of cooling for the installation.

### **Prescriptive Programs**

Heating Efficiency:

 Water Heaters: tank-less or with storage, minimum 150,000 BTUH, => 92% efficient Rebate is currently \$350 per unit Rebate proration is being reviewed

\$200 per 100,000 BTUH



# Colorado 2013 Lighting Updates



### Highlights of Colorado Lighting Program Changes and Additions for 2013

Discontinued rebate measures in 2013

- New prescriptive rebate measures added in 2013
- General LED Information
- Existing LED prescriptive rebate levels decreased due to lower market pricing
- Other changes to existing measures



### Discontinued rebate measures in 2013 *T12 Prescriptive Rebates*

- Increasing DOE efficiency standards, effective 2013, dictate we can no longer offer prescriptive rebates for T12 removal
  - Therefore, T12>T8 retrofits and T12>T5 retrofits were removed from the 2013 applications.
  - Customers have until May 1, 2013 to turn in 2012 T12 to T8 rebate paperwork (includes bonus)

Invoiced and installed by 12/31/12

### Custom T12 Projects in 2012



- Custom T12 projects preapproved prior to 12/31/12 have until November 30, 2013 to be installed, invoiced, and submitted.
- Projects requiring re-evaluation will use standard efficiency T8 as the baseline
- Going forward, standard efficiency T8 fixture will be used as the baseline.
- 1:1 T12>T8 not likely to pass
- Delamping (optimization) tends to have a better chance than 1:1 replacements

# **New: LED Wall Pack Rebates**

- Prescriptive rebates for LED
  Wall Packs are now available
- Retrofit rebates are tiered from \$35 to \$100/fixture
- New Construction rebates are tiered from \$15 to \$50/fixture, based on fixture wattage.
- Wall Packs do not require ENERGY STAR qualification.





### New: ENERGY STAR Qualified LED Screw In Downlight Fixtures

- \$15/fixture rebates are now available for projects invoiced and installed on or after 1/1/13.
- There are over 200 fixtures that ENERGY STAR categorizes as "Downlight Solid State retrofit" fixtures.



### New: Bi-level Stairwell Fixtures with Integrated Sensors



- \$25/fixture rebates are now available for projects invoiced and installed on or after 1/1/13.
- Prescriptive eligibility requirements can be found on 2013 Lighting application
  - Energy Star qualification is not required.



### General LED Information effective January 1, 2013

- Several prescriptive LED rebates were reduced due to lower market pricing – effective for projects invoiced and installed on or after 1/1/13.
- Customers have until May 1, 2013 to submit completed applications for LED projects invoiced and installed before 1/1/13 to claim the higher rebate amount.
- Based on intervener comments on the recent Lighting Efficiency 60-day notice, rebates will now be tiered for exterior LED fixtures.



# General LED Information Reminder: ENERGY STAR® Qualified

## Lighting

http://www.energystar.gov/sslpartners www.energystar.gov/lightingresources

- Locate Energy Star Light Bulbs or Luminaires Qualified Products List (PDF or Excel-based)
- If not listed with E/S, LED lamps and fixtures can still be evaluated through Custom Efficiency, subject to pre-approval
- LED canopy/soffit and refrigerated case lighting does not require E/S qualification



# Decreased existing LED prescriptive rebates

#### ENERGY STAR Qualified Screw-In and Pin-based lamps

- Replace Incandescent or Halogen lamps with an ENERGY STAR qualified LED that uses 3-6 times less energy
- New Rebate Levels: Retrofit and New Construction
  - 5W or less: \$7/lamp
  - > 5W to 10W: \$12/lamp
  - > 10W to 20W: \$15/lamp





# Decreased existing LED prescriptive rebates



#### ENERGY STAR Qualified Interior Commercial LED Downlight Luminaires

- Replace incandescent systems with an ENERGY STAR qualified commercial LED downlight luminaire that uses 3-6 times less energy
- ENERGY STAR refers to these as "Downlight Recessed" fixtures
- Downlight luminaries must be qualified for "Commercial" or "Both" (Commercial and Residential) use to qualify for rebate.
- New Rebate Levels:
  - Retrofit Rebate
    - 25W or less: \$35/fixture
    - > 25W to 50W: \$50/fixture
  - New Construction Rebate
    - 25W or less: \$25/fixture
    - > 25W to 50W: \$40/fixture

# Decreased existing LED prescriptive rebates

#### Exterior LED Canopy and Soffit Fixtures

- Replace High Intensity Discharge (HID) systems that use 3-6 times the energy.
- LED parking garage ceiling fixtures are not eligible for this rebate, but may qualify for a Custom Efficiency rebate.
- New Rebate Levels
  - Retrofit Rebate
    - 25W to 60W: \$150/fixture
    - Greater than 60W: \$200/fixture
  - New Construction Rebate
    - 25W to 60W: \$50/fixture
    - Greater than 60W: \$100/fixture



#### Changes to Existing Measures: Effective 1/1/2013

- Occupancy Sensors and Daylighting (photocells)
  - Rebates are now tiered and based on connected load.
    - Wall Mount Sensor:
      - ◆\$15 per sensor with 50-300W connected load
      - ◆\$25 per sensor with over 300W connected load
    - Ceiling Mount Sensor:
      - ◆\$30 per sensor with 50-300W connected load
      - \$40 per sensor with over 300W connected load
    - Photocell:\$25/fixture

High-Bay Fluorescent Fixture with High Efficiency Ballasts

- Rebates are tiered and based on actual installation
  - \$125-\$175 / Retrofit fixture rebate
  - ◆\$40 \$65 / New Construction fixture rebate

Ceramic Metal Halides & Pulse Start Metal Halides

- Ceramic Metal Halides: \$60 \$120 / Retrofit fixture
- Pulse Start Metal Halides: \$60 \$120 / Retrofit Rebate

Please reference the 2013 lighting application for details

#### Changes to Existing Measures: Effective 1/1/2013

- Parking Garage Fluorescent Fixtures with High Efficiency Electronic Ballasts:
  - Replace HID systems (150W or 175W) with T5HO or T8 fluorescent systems with high efficiency electronic ballasts.
  - Retrofit rebate increased from \$50/fixture to \$85/fixture

#### LED/LEC Signs

- Replace incandescent exit signs with LED or LEC exit signs
- Rebate increased from \$15/sign to \$25/sign

#### Industrial Multi-CFL Systems

- Replace incandescent or HID systems
- Rebate was removed from program, due to lack of customer interest and participation

Low Watt T8 Lamp:

 Dropped from \$1.00 to \$.50, effective for projects invoiced and installed after 1/1/13.

#### Optimization (delamping)

- T8 to T8 Optimization
- Permanent removal of lamps, ballasts, and sockets in T8 systems must include highefficiency electronic ballasts
- This rebate measure was expanded to include any ballast factor (low, normal, or high).
   Previously, we only had a lowballast factor requirement.
- Reducing the quantity of fixtures does not qualify
- Rebate is \$12/fixture.

### Custom (Non-prescriptive) Programs

For equipment and conservation efforts outside Prescriptive requirements or not covered by the Prescriptive Programs

### \*\*\*Preapproval required

Rebate amounts and energy savings vary by project

#### **Programs include:**

- Straight Custom Efficiency:
  - Windows
  - Insulation
  - Geothermal applications
  - Roofing
  - Window tinting
- Business New Construction
  - Energy Design Assistance
  - Energy Management Systems

# **Custom Programs**

- Separate CUSTOM rebate application is required
- Preapproval typically takes less than 10 business days and is <u>REQUIRED before equipment is purchased or</u> <u>installed</u>
- The customer may incur engineering costs or bid requests prior to our preapproval date to identify implementation alternatives.
- The customer must notify Xcel Energy of these costs prior to our preapproval analysis so we can include the itemized costs in our analysis.



# **Custom Programs**

- Preapproval letter will outline energy savings and rebate amount
- Will also include time frame for implementation typically 24 months
- If project scope changes it may require reanalysis
- Rebate amounts vary with the project's energy savings. The more energy your project saves, the more rebate dollars you earn – up to \$400 per kilowatt (KW) of electricity and \$4 per dekatherm (Dth) of gas saved.

# **Energy Design Assistance**

- Historically contracted directly with modelers for basic track, with an "open enhanced track"
- July 1, 2013, piloting open EDA path for qualified modelers
- Created on-line portal that integrates modeling protocol and allows customers & their design teams to model and track projects



### Energy Efficiency Financing Product



- Increase Participation in Energy Efficiency Products by reducing financing barrier for customers retrofitting existing equipment
- Xcel Energy Role (PSCo):
  - Phase One: Help connect customers with existing financing options
  - Phase Two: Facilitate creation of offerings for additional territories and segments

## **Phase One Update**

 Developed and Formalized Relationships with Existing Programs

Co-Marketing Efforts Underway

- Ally presentations
- Channel Manager messaging
- Integrating messages into DSM marketing

Continuing development meetings with others who fit existing program definition

## **Phase Two Update**

- Working with interested lenders and credit enhancers
- Reaching out to potential lenders via and "invitation to ally"
- Prioritizing based on where gaps exist
  - Loans for specific segments
  - Loans for specific geographic areas





#### My Account

View/pay bill, view energy usage, and access account information

Sign In

Register for online access

Start. Stop. Transfer. Add or change your service.

#### View Bill Payment Options

Pay your bill through one of our flexible payment options.

Find a Rebate See how you can spend less money on energy.

Report a Problem

Notify us of an outage, gas leak or other emergency.

See Renewable Energy Solutions Learn more about wind and solar energy programs. Popular Topics Careers Corporate Responsibility Report Energy Classroom Energy Saving Tips

#### Xcel Energy News

Hundreds of Xcel Energy volunteers to lend a helping hand

Xcel Energy continues to be recognized for socially responsible business practices



#### My Account

View/pay bill, view energy usage, and access account information

Sign In

Register for online access

Start. Stop. Transfer. Add or change your service.

#### View Bill Payment Options

Pay your bill through one of our flexible payment options.

S Ei

Find a Rebate See how you can spend less money on energy.

Report a Problem

Notify us of an outage, gas leak or other emergency.

See Renewable Energy Solutions Learn more about wind and solar energy programs. Popular Topics <u>Careers</u> <u>Corporate Responsibility Report</u> <u>Energy Classroom</u> <u>Energy Saving Tips</u>

#### Xcel Energy News

Hundreds of Xcel Energy volunteers to lend a helping hand

Xcel Energy continues to be recognized for socially responsible business practices Home > Save Money & Energy > For Your Business > Equipment Efficiency



**Customized Solutions** Rebates for your measureable Improvements

#### Interruptible & Time of Use

Discounts on your electric bills for flexible energy use

Equipment Efficiency Rebates for qualifying energy-efficient equipment

#### **Energy Audits &** Studies

We help quantify energysaving opportunities

#### **Renewable Energy** Programs

Help to meet your RE goals and certification requirements

**Additional Programs** 

#### Equipment Efficiency Directory

Outages

Please see below the list of programs offered in your state. If no links are listed, there are currently no programs available in this category for your state. State level regulations do not allow us to offer the same programs in all states. We apologize for the inconvenience and encourage you to contact an Xcel Energy customer care representative to talk about money and energy saving opportunities in your area.

#### Colorado

Compressed Air Colorado businesses reduce costs and earn rebates

#### Cooling Efficiency

Colorado businesses can lower upfront costs and shorten payback period

#### Energy Management Systems

Colorado businesses earn rebates on improvements to building controls

#### Heating Efficiency

Colorado businesses can earn rebates and save energy on heating equipment

#### Lighting Efficiency Rebates

Helping Colorado businesses save money, earn cash back and improve lighting efficiency

#### Motor and Drive Efficiency

Colorado businesses - cut your operating expenses and get money for doing it

#### Small Business Lighting

Colorado small and midsized businesses with peak demand of 400kW or less can get rebates and special services

#### Are You Looking For ...?

Payment Options Energy Rates Find a Rebate Newsletters Service Area Outage Map Call Before You Dig My Account Site Energy Saving Tips Michigan Efficiency Programs Efficiency Overview Video

My Account	Save N	loney & Energy	Outages	Safety & Education	Environment	Energy Partn	ers About Us		
Home > Save Mo	oney & Ene	rqy > For Your Busi	ness > Equip	ment Efficiency > Cooling I	Efficiency			A	
		Cooling Effic	ciency esses can l	ower upfront costs and	d shorten paybao ∺	ck period lide All   Show All			
	7	Overview							
		Colorado busin cooling equipm	esses can lov ent with our C	ver upfront costs and short Cooling Efficiency rebates.	en payback periods	on qualified			
Customized Solu Rebates for your measureable Improvements	itions	Cooling is the equipment is a efficient new u	number two us t least 20% m nits are up to s	ser of electricity for most c nore efficient than units just 52% more efficient than the	ommercial buildings 15 years old, and t minimum-efficienc	. New cooling he most- y models.			
Interruptible & Ti Use Discounts on your bills for flexible end	i <b>me of</b> electric erav	(Source: E Sou Upgrade your o money and end	urce by Platts cooling systen ergy savings o	). n and bolster your organiza wer time.	ition's bottom line w	vith significant			
use Equipment Efficie Rebates for qualify energy-efficient equipment	ency /Ing	View Video of Information Sho Program Inform	eet nation for Sma	<u>III Business</u>			Rebate Applications, Case Studies	,	
Energy Audits & Studies		+ Benefits					Equipment		
	nerov.	+ Details	Overviews						
saving opportunitie	es	Who Qualifie	es						
Renewable Energ	gy	Qualifying E	quipment						
Programs Help to meet your F	RE	How to Get							
goals and certificat requirements	tion	+ Additional Ir	formation						
Additional Progra	ams								

Fuen mana unave to source

# **EDA Overview – Jennifer Elling**



### **Business New Construction** *Overview*

- Energy Design Assistance
  - Interactive design process
  - Computer energy modeling
  - Early Design
  - >20,000 square feet

- Energy Efficient Buildings
  - Prescriptive approach
  - Calculator workbook tool
  - Late Design
  - Any size (>5,000 sq. ft.)



# Energy Design Assistance Program What's Eligible?

### Project Type

New construction or major renovation

### Minimum Project Size

 EDA is intended for buildings with square footage larger than 20,000 square feet

#### Timing

 Projects must apply before or during early design development to allow time for analysis to be completed.

# Energy Design Assistance Program What is being offered?

In addition to energy savings for buildings...

- Free consulting
- Reimbursement for Design Team efforts
- A one-time incentive to the owner from Xcel Energy for both electricity and gas



### **Energy Design Assistance Program**

How are energy savings and incentives determined?



### Business New Construction Program Timing



## **EDA Overview cont.**

EDA packet: Manual, Protocol, Agreement, EDA Info Sheet\*, Resources

#### **EDA Manual – test results**

- EDA sq. footage minimum is 20,000 sq.ft. This threshold shall not be bent.
- 3 story multifamily buildings do not qualify for EDA, as we follow ASHRAE energy standard for bldgs expcept low-rise residential bldgs. EDA requires 4 stories or above. Project may go through EEB
- Xcel Energy retail gas customers are required to be under contract for <u>1 year</u>, minimum.
- Phasing a project In the event that a building does not plan to be 80% occupied within a year of construction. When the construction site includes multiple buildings that will be constructed over a series of years, we would split into multiple projects.

\*Marketing material for your use: https://www.xcelenergy.com/Energy\_Partners/Trade\_Partners/Commercial\_Programs/Busin ess\_New\_Construction\_EDA\_-\_CO

### Xcel Energy Engineering; EDA Protocol Drew Quirk, Howard Hoffman

### Intro to Energy Efficiency Engineering Role

- EDA Protocol; test results
- Manual Incentive Calculation



### **Total Resource Cost (TRC) Test**

- The following outputs from your modeling analysis will be utilized in the TRC test:
  - Energy Savings (kWh, Dth)
  - Demand Savings (kW)
  - Incremental Capital Cost (\$)
  - Annual O&M Cost (\$)
  - Rebate (\$)
- Every measure needs to have each of these parameters defined and documented
- It is the responsibility of the Energy Efficiency Engineer to ensure these parameters are correct.

## Protocol

- Provides documentation for the majority of measures utilized in the EDA program
- Provides additional documentation for analysis of measures outside the scope of Appendix G
- Explains policies specific to Xcel Energy regulatory requirements



### Items not covered by Appendix G

Guidance for common assumptions

Plug and Process Loads

Guidance for District and Campus Systems



# **Common Assumptions**





## **Plug and Process Measures**

- Contact Energy Efficiency Engineer early
- The Xcel Engineering group has 20 years of experience analyzing complicated commercial and industrial systems
- Intent will be to publish new approved measures to BCL



# **Regulatory Items**

Cross-fuel

- Load Shifting
- Renewables



### **Cross Fuel Overview**

 Electric Ratepayers can not subsidize Gas Ratepayers' efficiency projects, and vice versa

TRC is calculated for each fuel independently

Therefore, costs need to be carefully separated



# **Quick Cross-Fuel Check**

The protocol has the full methodology, but we can simplify for day-to-day use:

7500 source btu per customer kWh

1020408 source btu per customer Dth



# **Load Shifting**

- To be eligible for funds recovered in the DSM rider (i.e. get a rebate in EDA), customer projects must save energy.
- Load shifting projects must prove that energy is being saved – not just demand
  - Hold all other loads constant and change the affected system. If energy savings result, it passes the test.
  - This must be approved by Energy Efficiency Engineer



## Renewables

- Renewable energy is still energy used by the customer, so by definition, it is not conserved.
  - Therefore, we are not able to provide rebates for these strategies through EDA
  - Renewable opportunities can be modeled in EDA for the holistic view for the customer.
  - Customer should apply under Xcel Energy's Renewable Programs for rebate opportunities

# **Manual Incentive Calculation**



Energy savings from all electric plants

Gas energy savings from all plants



### EDAProjectTracker (EDAPT)

- EDAPT is an online portal serving as the primary project management tool for Xcel Energy's EDA program
- EDAPT incorporates the EDA process and modeling protocol into a user friendly interface

	Xc	elEn	ergy∞		Track	er			
s	unimary	Т	Projects	Арэн	cation	Resources	Logour		
Proje	cts								
Projec <mark>t</mark>	1 app.y EC 00		3 pea ec	4 FFA EC 🚸 EC 🚸	5 CO REVIEW C EN	6 ME.V	Savings	Constructio Type	on (
EDAPT Example Project - FEA step 2								New New	
FDAPT Example Project - CD								New New	
EDAPI Example Project FEA							/	Ncw	
EDAPT Example Project - PEA								Ø New	
EDAPI Example Project - Intro								Ncw	
5-17 Test								New New	
Demo	-				-	-	/	0	

# EDAProjectTracker (EDAPT)

#### **EDAPT Features**

- Online application
- Project tracking
- Reporting Templates
- Energy Savings
- Rebate estimates
- P4P estimates
- Project mapping



# EDAProjectTracker (EDAPT)

# EDAPT user profiles are email based.

#### TASK

Create a shared email address to be used by multiple users within your company

Summary		Projects	Т	Resources	Login	
Create new ac	count Log	in Reques	t new pas	word		
User accou	Int					
Username *						
Spaces are allowed; p	ounctuation is n	ot allowed excep	pt for period	s, hyphens, apostro	ophes, and underscore	5.
E-mail address *						
	- All			Abia addaaaa Tha		
password or wish to i	eceive certain	news or notificat	tions by e-ma	ili.	e-mail address is not m	lade
Company	_					
-None-	~					

# **OpenStudio and EDAPT - NREL**

#### Demo - Overview of EDAPT

- Demo OpenStudio
- Demo Project example FEA and CD





**Questions on:** 

- OpenStudio? Go to: <u>openstudio.eda@nrel.gov</u>
- EnergyPlus? Go to: <u>http://energyplus.helpserve.com</u>
- EDA/EDAPT process, manual, protocol? Go to BNC mailbox: <u>businessnewconstruction@xcelenergy.com</u>

Issues with access/firewall? Try from home first before emailing <u>openstudio.eda@nrel.gov</u>

 Want to do a practice project? Let us know via BNC mailbox email first. In EDAPT, title project "company\_test" (test now till July 1)

Ongoing training- private sector trainer (note: you can be a trainer too)