

## **GCEA - Building Retrofits Presentation**

Chris Jones - GCEA, Operations Director, Residential and Commercial Non-Profit  
Steve Pohlman - Non-Profit Energy Services Manager

Deal with education/outreach, project management, and financing, focusing on residential and commercial non-profit.

Energy Efficiency and Conservation Block Grant (EECBG)  
Better Buildings - Dept. of Energy

Energy Star Home Performance Program

1. Reduced cost energy assessment  
Reducing the cost is the first major step/roadblock, people won't shell out 400 dollars for something they don't even know what it is
2. Qualified Home Performance Contractors  
Vet contractors to make sure they are qualified
3. Creates a Road Map for Energy Savings  
Give all the info available in easily understandable form to homeowners
4. Provides Incentives to make improvements affordable  
Offer cash incentives to make the improvements worth it
5. Ensures quality  
Measures energy savings, checks work completed

- Energy Star is soon to become part of DOE

Basic Program  
Financing Options

Non-Profit  
35 EAs, churches/fine arts/culture  
15+ in process  
5 Completed

Non Profit Program  
Helps orgs understand their energy use thru EAs  
Work with them to manage and implement energy management solutions  
Financial incentives available

Mt. Washington Baptist  
St. Antonius School - \$8,100 savings in winter

Building Performance partnership with U of C coming online in next 30 days

Michael Pahutski  
Managing Director, Large Business Relations, Duke Energy

### Utility Energy Efficiency Incentive Programs

Pahutski works with the 300 largest customers in Ohio/NKY. Typically, managed would work with outages, etc. Within the past few years, they transformed to help customers use energy more effectively, and incentivize use of energy efficient equipment.

Why do they want us to use less energy?

State law says they have to adopt programs that result in 22% energy savings in 25 years. They are willing to go over and above. Rather than Duke investing in power plants and producing energy, they want to cut the need for energy. They can invest in energy efficiency rather than production, and earn a return on that investment.

First Energy Utilities - N Ohio?

Standard Incentives - Standard prescriptive programs that are common and so come at a standard rate. Good for commercial large corps.

- Lighting

- Motors and drives

- Traffic Signals

- Commercial Food Service

- Specialty Equipment

Custom - any energy saving measure that isn't prescriptive - unstudied measures

\$0.08/kWh saved

AEP - limits of 300k per project, 600k per year

Dayton - same stuff, maximum payback based on cost savings of 7 years

Duke's Program - 5 Tech groups

Lighting, Motors, HVAC, Food Service, Equipment

250 incentive possibilities

Custom Incentives cover all non-prescriptive, no limits with Duke savings. Offer assessments. Help them with commercial assessments. Phone/Online, then onsite visits. They pay half of \$10,000 assessment.

Smart Building Advantage Program - large spaces, commercial office. 2 Step - initial assessment, then 40k more (they pay half) to identify huge savings in large towers downtown.

Duke has paid out 20million since 2009 in energy incentives  
Customers are saving 11 million annually.