Oncor and Solar: Presentation to NTREG
February 1, 2016
Who Is Oncor?

- Oncor is Texas's largest regulated electric delivery business in Texas
- Oncor supplies electricity to approximately 10 million consumers in a service area of over 400 communities
- Operates in the U.S.'s highest-growth region in electric demand, according to the North American Electric Reliability Council (NERC)
Deregulation in Texas & Oncor

How Electricity Flows To Its Users

- Generators
- Oncor
- Retail Electric Providers

Source: Energy Information Administration.
Why Energy Efficiency?

1. Energy efficiency is deemed to be one of the most cost effective “sources” of energy.
   - The cost of saving a kW or kWh is less than the cost of producing a kW or kWh (“cost effectiveness”)

2. In past years, the electricity generation capacity during peak times has not always met the demand.


4. Energy efficiency programs spur changes in new building codes as technologies become more readily available and affordable.
Demand and Energy Savings...Where do they come from?

To achieve the energy and demand goals, Oncor offers Energy Efficiency Programs.

- Programs offer incentives to install equipment ("measures") or have services performed that increase the efficiency of a home or building
- Incentives cover a portion of the cost of the project
- Incentives are based on the actual demand and energy savings as a result of the work ($/kW and $/kWh saved)
- Most incentives are paid to participating service providers who then pass the discount ($) onto customers
Energy Efficiency Programs
## 2016 Program Offerings

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Solar Programs

Financial incentives are offered to Service Providers for the installation of eligible distributed solar energy photovoltaic generating equipment

• Available to Oncor residential and commercial customers (incentives paid to Service Providers)

• Approximate incentive using deemed savings calculation method:
  • Residential: $.85 per DC Watt (at Standard Test Conditions (STC))
  • Small Commercial: $.85 per DC Watt (STC) (<100kW)
  • Large Commercial: Reverse Bid process (>100kW) – now closed

• All incentives are based on the production of the system during the Peak Demand Period

Average Project 2015
Incentives:
Residential: $6,363
Commercial: $411,563
Solar Standard Offer Program

2014 Results:
• Residential: 720 meters with 4,227 kW and incentives of $5,219,930
• Commercial: 75 meters with 6,932 kW and incentives of $8,836,418
• 2014 Incentive level was $1.09 per producing DC Watt

2015 Results: (unofficial)
• Residential: 573 meters with 2,766 kW and incentives of $3,414,327
• Commercial: 12 meters with 3,902 kW and incentives of $4,938,763
• 2015 Incentive level was $1.00 per producing DC Watt

2016 to Date:
• Residential: 535 approved with 3,100 kW and incentives remaining $2,119,762
• Small Commercial: 73 meters with 2,800 kW and incentives remaining $1,294,993
• Large Commercial just closed - preliminary numbers showing 16 projects with 8,008 kW and $2,600,900 in incentives
Bird’s Eye View
ARRAY EXAMPLE
Meter, Inverter and Disconnect
Why is Interconnection required?

• Safety to Oncor and others working the lines
• Notification to ERCOT
• Notification to Retailer
• Outside of Energy Efficiency process but required for incentive
• Once Agreement is approved
  • Customer should not turn the array on until IA is approved and PTO
  • Oncor reprograms the meter to read the outflow – no meter change
  • Oncor notifies ERCOT
  • ERCOT notifies Retailer
• Timeline
  • Residential 30 days for Oncor approval
  • Commercial could take up to 60+ days if an in-depth study needed
• Contact Oncor’s Interconnection team at DG@oncor.com
2015 Participation

- 52 Residential Service Providers
- 49 Small Commercial Service Providers
- 29 Large Commercial Service Providers

Requirements to participate
- Proven past experience
- Master Electrician License or Texas Electrical Contractors License
- Meet all of Oncor’s insurance requirements
  - Auto
  - Worker’s Comp
  - Commercial General Liability
- Eligible to participate in Oncor’s Efficiency programs
How Do I Participate?

1. Visit www.takealoadofftexas.com
2. Select a Service Provider.
Power to Choose

Welcome to Power to Choose, the official and unbiased electric choice website of the Public Utility Commission of Texas. This website is available to all electric providers to list their offers for free. Compare offers and choose the electric plan that's right for you.

Enter your Zipcode

Need help? Answer 3 simple questions. Want to see plans for your area?

Narrow your search OR View results
Questions?

Thank you for listening!

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