Moving Toward Zero Energy Homes Workshop

PNM
Energy Efficiency Program
Solar Energy Program

June 20th, 2008
Agenda

• Overview of Programs
• Advanced Evaporative Cooling
• PNM Power Saver Load Management
• $500 Energy Star® Home Rebate
• Solar Power Program
• Q & A
Residential Programs 2007-08

Electric Customers
- Home Lighting Discounts
- Refrigerator-Recycling Program
- Energy Saver Kit
- Advanced Evaporative Cooling Rebate
- PNM Power Saver

Gas Customers
- Insulation Rebate
- Weatherization Assistance Program
Business Programs

- $500 ENERGY STAR® Homes Rebate
- Advanced Evaporative Cooling Rebate
- PNM Power Saver (small customers)
- PNM Peak Saver (large customers)
- Business Lighting Rebate
Advanced Evaporative Cooling Rebates for Homebuilders!

- Rebate for Indirect Cooling Module (ICM)
  - $300 Rebate for ICM + $100 with new 12” Direct section
- $400 Rebate Coolerado (100% Indirect)
- $400 Rebate OASys (indirect/direct unit)
ENERGY STAR New Home Program

- Advanced Evaporative
  - EPA Rating of SEER 22
**PNM Power Saver Program**

- **No Cost to Sign Up**
- **Option for home owners with central AC**
- **Allows PNM to put AC into conservation mode**
- **Operates a maximum of 100 hours per year**
- **Customer receives incentives annually and at sign-up***
ENERGY STAR Homebuilder Benefits

- $500 PNM Rebate – no limit
- Market Differentiation
- Enhanced Customer Satisfaction
- Increased Revenue
- EPA Support
2.5KW SYSTEM – SANTA FE
3.41KW SYSTEM - ALBUQUERQUE
2.8KW SYSTEM – E. MOUNTAIN
5.12KW SYSTEM - DEMING
5KW SYSTEM - PNM
10.08KW SYSTEM - SIPI
How Will the Solar REC Purchase Program Work?

1 kWh From PV → 1 REC

PNM will purchase RECs at a rate of 13 cents per kWh

Customer also participates in PNM’s net metering program*

*May also be eligible for state and federal tax incentives.
SAMPLE ONE-LINE DIAGRAM: GRID-TIED SYSTEM

**Customer Generation Disconnect**
- Load Break
- Lockable
- Visible Disconnect
- Utility Accessible Switch

**House Main Service Panel**

**REC Meter**

120 Vac Out
Output will Disconnect Internally Upon Loss Of Utility 60 Hz Signal

**INVERTER**
- Manufacturer
- Model Number
- #.# kW

**Solar Panels**
- #.# kW

To Utility
The REC Purchase Program

- Will require separate billing
  - Separate electric and gas bills
- Will show up as a separate section on your monthly electric bill
- Will show the PV system generation, REC purchase price/kWh, total REC payment that month
- REC purchases will be applied as a credit to the current month’s electric bill
- Credit will carry forward to following month if less than $20
- No kWh charge during months of excess generation due to net metering
REC Purchase Program Requirements

- An executed interconnection agreement with PNM
- A REC purchase contract with PNM
- An additional meter to measure total energy generated by PV system
- An additional application fee of $150 for residential customers and $275 for non-residential customers
Contact Us

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