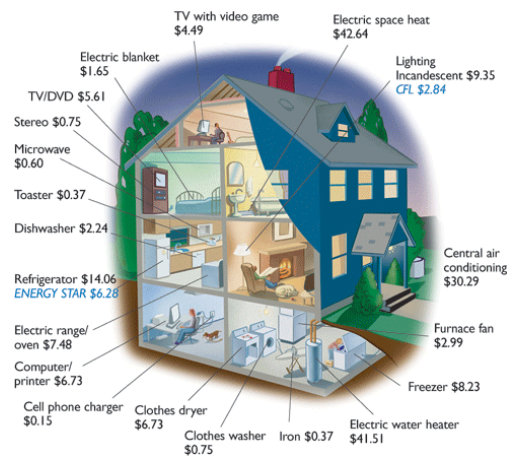


Rocky Mountain Power New Construction Efficiency Programs April 30th, 2008



Why conserve energy ?



Based on an average residential rate in Utah. Average monthly use for family of four in a 1,500 square-foot home. Homes differ in usage according to size, climate, construction, insulation and family living habits. Don't not use to calculate your bill. Use this to understand where energy is used



Why conserve energy ?

- ▶ Customers conservation is a “resource” for Rocky Mountain Power.
- ▶ Conservation benefits customers and the utility.
- ▶ Many benefits, including:
 - ▶▶ Saves you money on your bill
 - ▶▶ A least cost resource for us – a less expensive and faster way to meet load growth.
 - ▶▶ Part of a sustainable energy portfolio

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Rocky Mountain Power Energy Efficiency Programs

- ▶▶ Residential
 - ✓ Energy Star New Homes
 - ✓ Home Energy Savings
 - ✓ Cool Cash
 - ✓ Cool Keeper
 - ✓ See Ya Later Refrigerator
- ▶▶ Commercial and Industrial
 - ✓ Energy FinAnswer
 - ✓ FinAnswer Express
 - ✓ Self Direction
 - ✓ Recommissioning

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ENERGY STAR New Homes

- ▶ Program targets all newly constructed residences, three stories or less
- ▶ 2008 goal is certification of over 1,800 residences
- ▶ Program Year-To-Date:
 - ✓ 4,000+ Homes certified
 - ✓ 7,000,000+ kWh saved
- ▶ Homes certified using Raters under Home Energy Rating System (HERS)
 - ▶ Raters are certified under the national RESNET organization
 - ▶ Two current HERS providers employing multiple Raters
- ▶ Incentives target thermal envelope, duct sealing, increased equipment efficiency and lighting upgrades

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ENERGY STAR New Homes - Continued

- ▶ Other Program Features
 - ▶▶ Cooperative marketing assistance
 - ▶▶ Program and building science training
 - ✓ Builder
 - ✓ Sub-contractors
 - ✓ Realtors and sales agents
 - ✓ Raters
- ▶ Program Web site
 - ▶▶ www.rockymtnpower.net/energystar

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ENERGY STAR New Homes - Continued

- ▶ Who Can Qualify
 - ▶ Owner – Builder
 - ▶ Custom Home Builder
 - ▶ Production Builder
 - ▶ Affordable Housing
 - ▶ Single Family Homes
 - ▶ Multi Family Homes
 - ▶ New Homes in Rocky Mountain Power Service Territory
- ▶ Program Web site
 - ▶ www.rockymtnpower.net/energystar

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ENERGY STAR New Homes – Proposed Tiers

- ▶ Single Family
 - ▶ **Tier 1:**
 - ✓ ENERGY STAR envelope (incl/ windows);
 - ✓ performance-based duct sealing;
 - ✓ minimum SEER 13 air conditioning equipment with correct sizing and best practice installation,
 - ✓ Thermal Bypass Checklist
 - ✓ plus installation of 5 CFLs

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ENERGY STAR New Homes – Proposed Tiers

▶ Single Family

- ▶ **Tier 2:** ENERGY STAR envelope (incl/ windows); performance-based duct sealing; minimum SEER 13 air conditioning equipment with correct sizing and best practice installation Thermal Bypass Checklist plus installation of 20 CFLs

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ENERGY STAR New Homes – Proposed Tiers

▶ Single Family

- ▶ **Tier 3:**
 - ✓ ENERGY STAR envelope (incl/ windows)
 - ✓ performance-based duct sealing;
 - ✓ minimum SEER 14 air conditioning equipment with correct sizing and best practice installation
 - ✓ Thermal Bypass Checklist
 - ✓ plus installation of 20 CFLs
 - ✓ 3 pin based fixtures

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ENERGY STAR New Homes – Proposed Tiers

▶ Single Family

▶ Tier 4:

- ✓ Meet Federal Tax Credit Home requirements
- ✓ ENERGY STAR envelope (incl/ windows);
- ✓ performance-based duct sealing;
- ✓ minimum SEER 14 air conditioning equipment with correct sizing and best practice installation
- ✓ Thermal Bypass Checklist

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ENERGY STAR New Homes – Proposed Tiers

▶ Single Family

▶ Plus Measures:

- ✓ Ducts inside conditioned space,
- ✓ Evaporative Cooling,
- ✓ ENERGY STAR Dishwasher,
- ✓ ENERGY STAR Lighting upgrade,
- ✓ ENERGY STAR Ceiling Fan
- ✓ Whole-House fan

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ENERGY STAR New Homes – Proposed Tiers

- ▶ Multi-Family Tier:
 - ▶▶ Energy Star envelope (incl. windows);
 - ▶▶ performance-based duct sealing;
 - ▶▶ minimum SEER 13 air conditioning equipment with correct sizing and best practice installation ,
 - ▶▶ Energy Star appliance package (dishwasher, washer, refrigerator where permanently installed)
 - ▶▶ Plus Measures: ENERGY STAR Lighting upgrade (interior and exterior), ENERGY STAR Ceiling Fan

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Rocky Mountain Power Renewable Energy Programs

- ▶▶ Rocky Mountain Power Solar Incentive Program
 - ✓ Net Metering Program
 - Residential : 57 kW / year
 - Non Residential: 50 kW / year
 - ✓ Five Year Pilot Program
 - \$2.00 / Watt
 - 3kW Residential
 - 15kW Non Residential

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Questions



New Homes Program

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