

Update on Energy Efficiency in New Mexico

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Energy Efficiency

- ❑ Reduces GHG emissions
- ❑ Least cost resource for utilities
- ❑ Saves consumers money

Utility Energy Efficiency

- Efficient Use of Energy Act (EUEA) – 2008 amendment
 - Requires 10% savings by 2012, and 20% by 2020
 - All cost-effective programs
- Two main sources of energy efficiency in Investor Owned Utilities
 - DSM programs
 - PNM, SPS and EPE all on track with their EE portfolios to reach 2012 requirement
 - NMGC offers a few programs, pledged to provide more in the future
 - Rate Making
 - Inverted block rates can encourage conservation

Electric Utility Efficiency Programs in the Southwest

State	Electric DSM Program Spending/Budgets (million \$ per year)					
	2002	2004	2006	2007	2008	2009 (est)
AZ	4	4	19	32	40	50
CO	11	21	18	32	28	51
NV	3	11	30	27	55	60
NM	1	1	1	4	10	16
UT	9	16	27	28	36	60
WY	~0	~0	~0	~0	1	3
Region	29	54	95	123	170	240

Source: SWEEP data

Per Capita Spending on Electric DSM Programs in the Southwest, 2008

State	DSM Spending (million \$)	Population (million)	Spending Per Capita (\$)
AZ	40	6.50	6.2
CO	28	4.94	5.7
NV	55	2.60	21.2
NM	10	1.98	5.1
UT	36	2.74	13.1
WY	1	0.53	1.9
Region	170	19.29	8.8
U.S.	3,245	304.1	10.7

Utility Energy Efficiency

- Rural Electric Cooperatives
 - EUEA requires DSM plan filings
 - No other PRC oversight
- Energy-efficiency program offerings vary widely.

Rural Cooperatives EE Programs

Coop Name	EE Program Offerings
Central New Mexico Electric Cooperative	ES Appliances rebates (electric water heaters - \$70, refrigerators and freezers - \$80, clothes washers - \$40 and dishwashers - \$30)
Central Valley Electric Cooperative	Free EE workshops w/EE kits, CFL give-away, Goal of 100% CFL penetration of low income homes.
Columbus Electric Cooperative	Tri-State EECs
Continental Divide Electric Cooperative	no offerings
Farmers' Electric Cooperative	no offerings
Jemez Mountains Electric Cooperative	no offerings
Kit Carson Electric Cooperative	free energy audits, discounted CFLs, CFL recycling, ASHP rebates
Lea County Electric Cooperative	free home energy audits, on-bill financing of efficiency appliances with up to 7 year payback
Mora-San Miguel Electric Cooperative	Double all Tri-State EECs, retroactive to 1-1-10
Northern Rio Arriba Electric Cooperative	free energy audits, on-bill financing for any ES appliances
Otera County Electric Cooperative	Tri-State EECs
Roosevelt County Electric Cooperative	low interest loans (up to \$10K) for heat pumps, storm windows and insulation, caulking, weatherstripping, water heater insulation and ceiling, wall, floor, duct and pipe insulation
Sierra Electric Cooperative	discounted CFLs, Tri-State EECs
Socorro Electric Cooperative	no offerings
Southwestern Electric Cooperative	no offerings
Springer Electric Cooperative	Tri-State EECs

ARRA Funding

- Enabled many new and expanded EE programs
 - Local project
 - State level projects
 - Building Code Implementation and Enforcement
 - Statewide EE Potential Study
 - Appliance Rebates
 - SWEEP member of DOE Technical Assistance Team
 - Free assistance for any EECEBG or SEP funded EE program

EE in New Buildings

- Proposed new statewide building codes
 - If approved, will provide approximately 20% increase in efficiency for all new buildings via cost-effective building measures
- Implementation & Enforcement Challenges
 - Education to industry statewide
 - Continual technical assistance

EE in Existing Buildings

- Property Assessed Clean Energy (PACE) programs
 - Nationwide trend to allow property improvements (energy efficiency and renewable energy installation) via an assessment on property taxes
 - NM enabled PACE programs for renewable energy only in 2009.
 - There is much support for expanding that to include energy efficiency.
 - Federal Housing Finance Authority recently issued loan guidance that blocks these programs for residential buildings, and will likely have affects for commercial buildings.
 - Calls from other states for reversal of this decision

EE in Existing Buildings

- Possible Improvement to Market Capabilities:
 - Disclosure of energy use upon sale of real estate
 - Commercial – via industry standard software, already used by many commercial buildings
 - Residential – via an energy audit focused on major energy waste in a dwelling
 - Disclosers will:
 - Enable market decision making
 - Grow green jobs in energy auditors, building retrofitters
 - Enable the new owners to effectively lower utility bills

EE in Industrial Sector

- Increased efficiency can be enabled via the following:
 - Encourage CHP, waste heat recovery and other innovative efficiency concepts
 - Increase utility DSM focus in this area

SWEEP:

Dedicated to More Efficient Energy Use in the Southwest

Resources available online at:

www.swenergy.org

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