

Clean Energy Leadership in Utah

Utah League of Cities and Towns
104th Annual Convention

September 14, 2011

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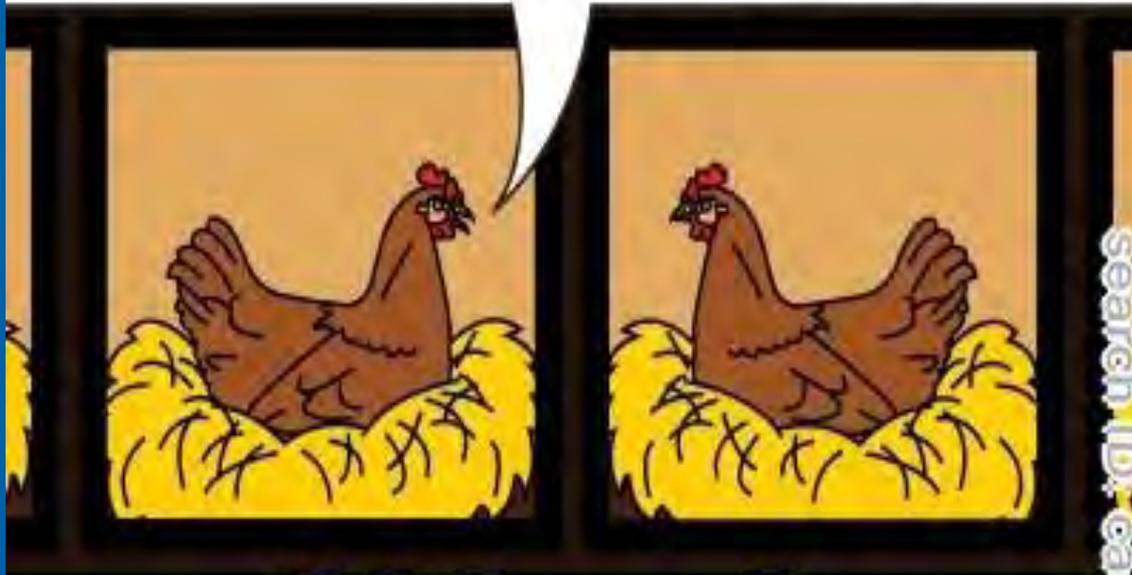
We Partner to Build the New
CLEAN ENERGY ECONOMY

photo by Sam Scholes



- Non-profit organization since 2001
- Public education & outreach
- Policy and regulatory advocacy
- Diverse partnerships
- Solutions-oriented approach

You may want to consider diversifying your portfolio....



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Rocky Mountain Power submits largest rate hike request ever

Rocky Mountain Power » \$232.4M

BY STEVEN OBERBECK
The Salt Lake Tribune

First published Jan 27 2011 10:24AM
Updated Mar 23 2011 11:25PM

Questar Gas requests rate increase

Article Tools



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Home Prices



See what homes along the Wasatch Front are worth

Published Jun 25, 2010 06:25PM
Updated Sep 17, 2010 11:29AM

Questar Gas Co. is asking Utah's utility regulators for permission to raise the amount it charges customers for natural gas by 3.9 percent.

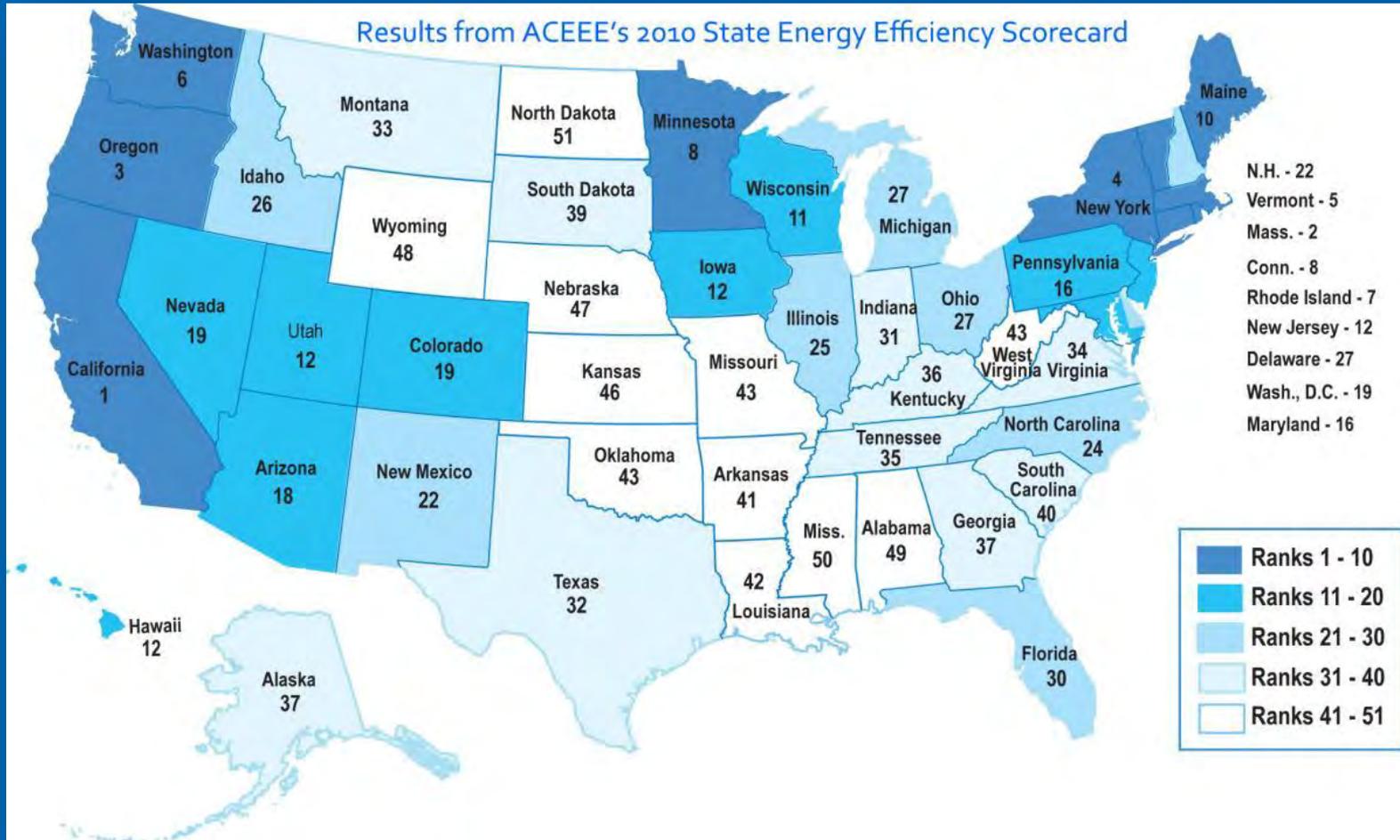
The utility, which provides most Utahns with the natural gas used in their homes, said if its request is approved, a typical customer will pay about \$2,200 more a month beginning Aug. 1.

Questar Gas is required to apply to the PSC for gas-cost rate changes twice a year.

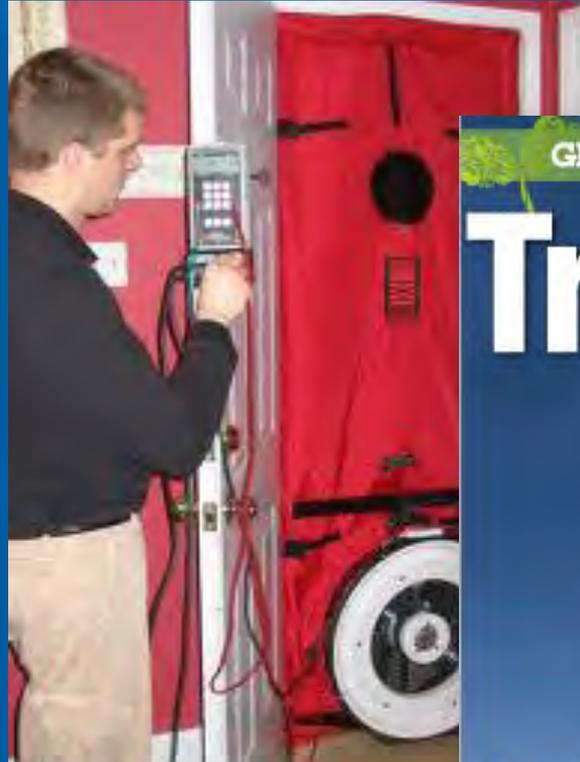
The Salt Lake Tribune

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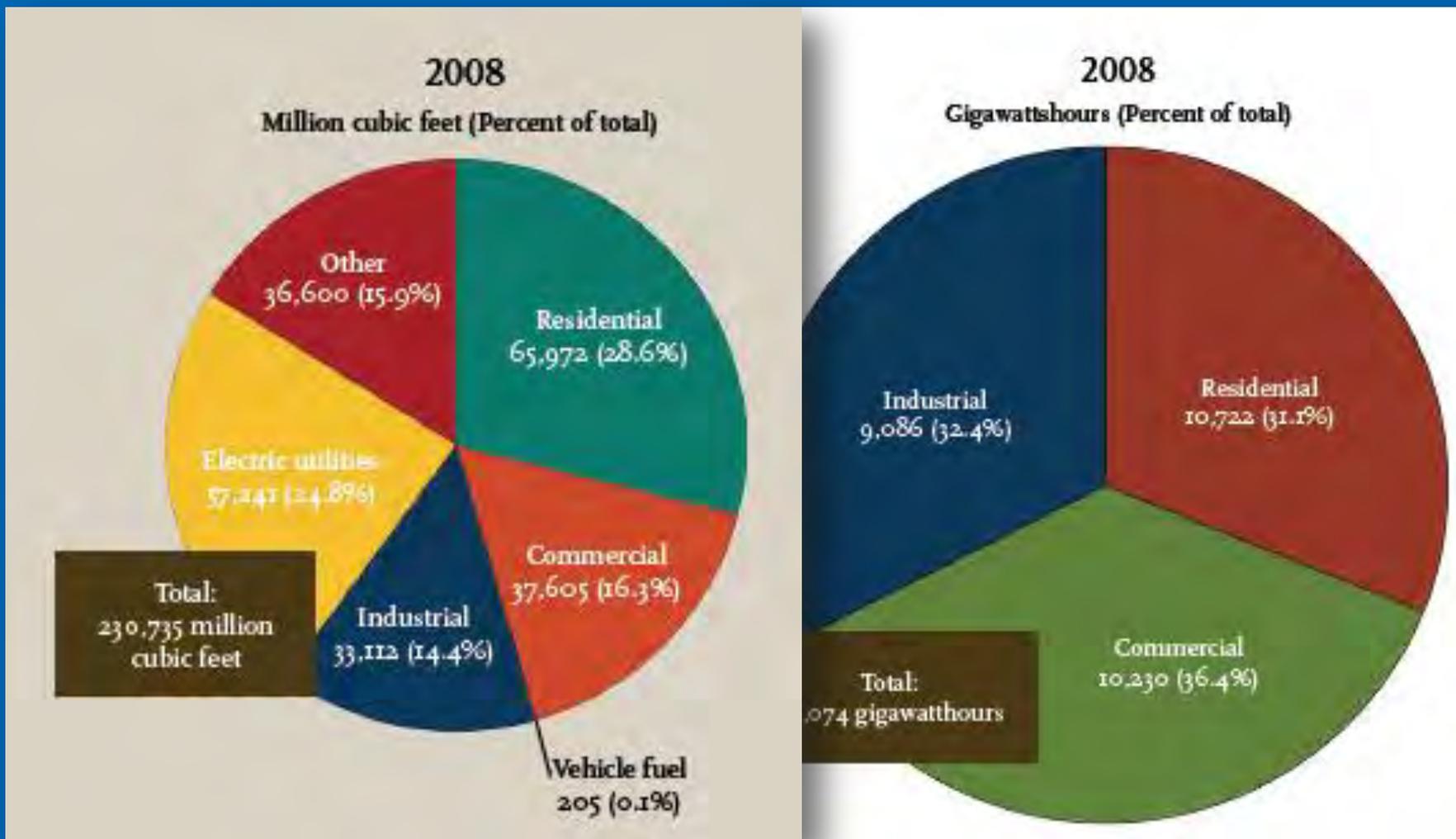
Energy Efficiency Leadership



Energy Efficiency = JOBS, JOBS, JOBS!



Buildings in Utah



What's the big deal?

HOME CASE STUDY

"...ductwork was not sealed nor insulated properly when it was installed. This can account for a 10-30% loss of heated or cooled air (energy)."



HOMEOWNER REPAIR BILL:

> \$2,400

SAVINGS:

- Annual utility savings: \$508
- Payback: 4.7 years



Energy Waste is Invisible!



Bad Duct W



Poor Insulation Installation

Consumers Expect Energy Efficiency

DAYBREAK®



CHAT WITH US

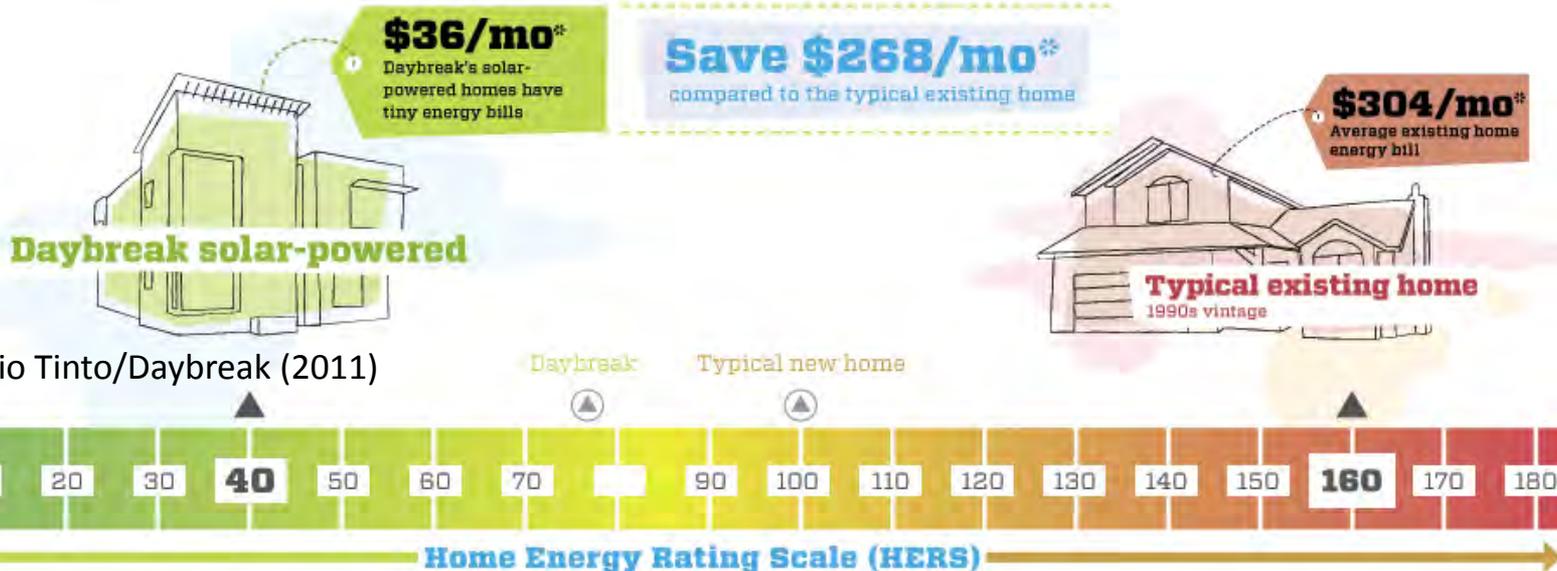
FIND A HOME

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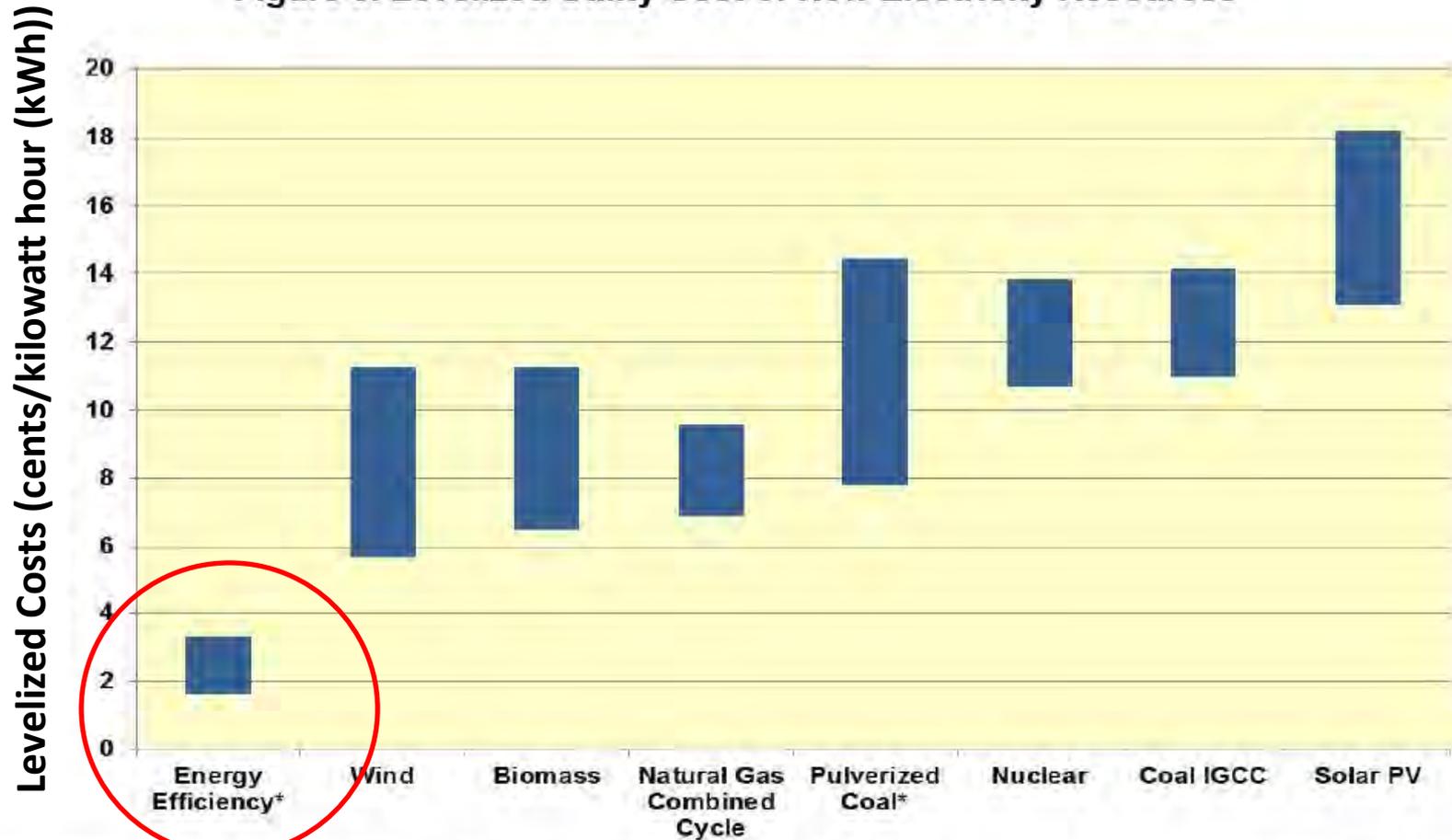
Courtesy Rio Tinto/Daybreak (2011)

Daybreak

Typical new home

How Much does Efficiency Cost?

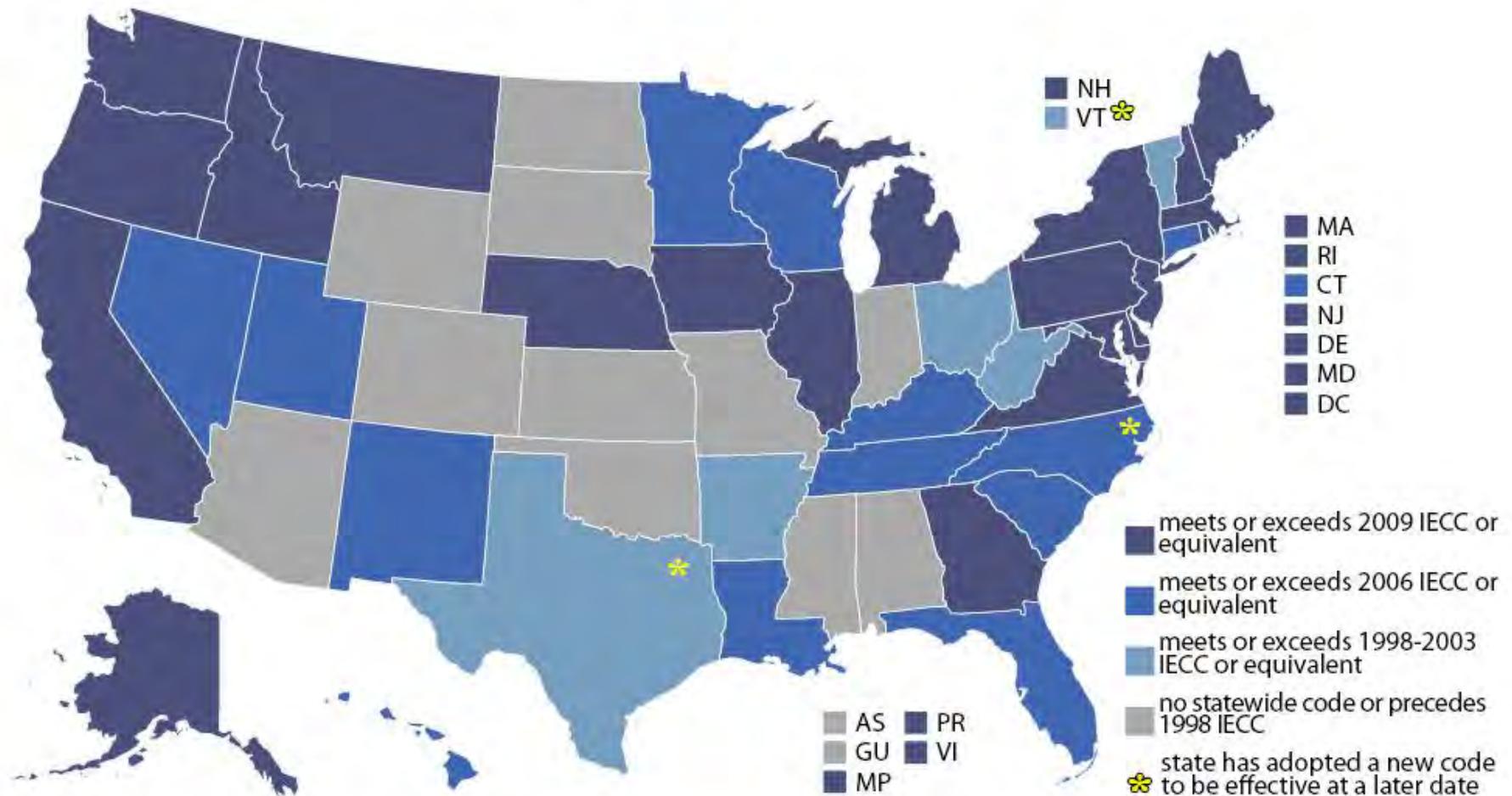
Figure 3. Levelized Utility Cost of New Electricity Resources



Notes: Energy efficiency average program portfolio data from Friedrich et al. 2009 (ACEEE); all other data from Lazard 2009. High-end range of advanced pulverized coal includes 90% carbon capture and compression.

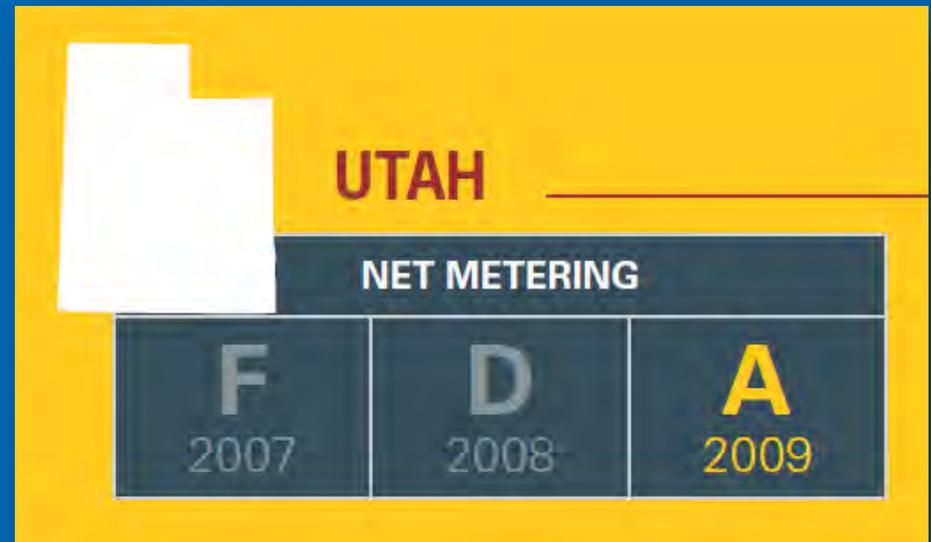
Residential State Energy Code Status

AS OF SEPTEMBER 1, 2011



Solar Leadership

- Net metering leadership
- PPA legislation
- **1000% increase** in commercial solar installations '07-'10
- **200% increase** in residential installations '07-'10



Freeing the Grid (2010)

Why Solar?

- Self-sufficiency
- A hedge against volatility and risk
- Enhanced energy security
- Air quality & water savings
- Stewardship
- Community Branding:
“Open for Solar Business” = jobs & new economic development opportunities



Cash for Solar

- Rocky Mountain Power's Solar Incentive Program
 - Pilot since 2007, set to expire 2012
 - 107 kW/year for 5 years
 - \$2000/kilowatt (\$1,550/kilowatt in 2010)
- Program can meet “cost-effective” requirement
- 2010 PacifiCorp Integrated Resource Plan utility model selected all available solar as cost-effective



Will it last?

- Solar Workgroup
- 2011 Public Service Commission Investigative Docket (11-035-104)
 - To explore possible continuation and expansion of utility solar incentive
 - If expanded, explore program structure and design
 - Report findings to Commission Nov. 1, 2011

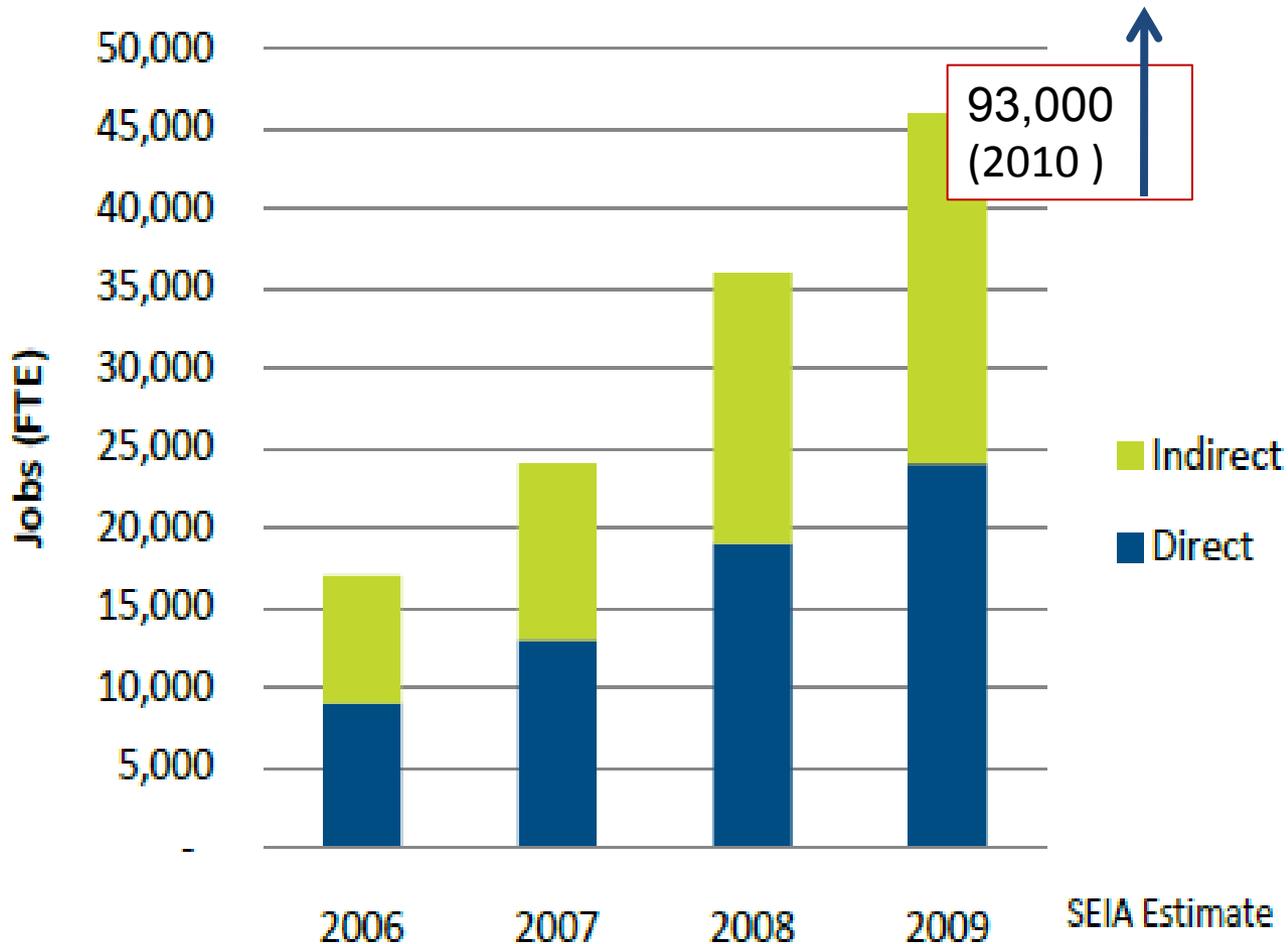
Get involved! E-mail sbaldwin@utahcleanenergy.org

or visit www.utahcleanenergy.org



Solar Energy = JOBS, JOBS, JOBS!

Estimated U.S. Solar Industry Employment



Pay for your home with cash?

- Then, why should you pay for efficiency and renewables up front? Use energy savings to pay off your loan!
- **Public-Private Financing Pilot Program:**
Salt Lake County Energy Smart Loan Program
 - \$1 million pilot loan program for efficiency and renewables upgrades
 - 80 efficiency, 3 solar loans
 - 5% interest rate
 - \$2,000-\$50,000 loans
 - Public-private partnership: Community Development Corporation, Salt Lake County, GE Capital, Morgan Stanley Bank, ARRA Funds



“Leadership is Action, not Just a Position”

Thank you!

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