

THE \$20 BILLION BONANZA



Best Practice Electric Utility Energy Efficiency Programs and Their Benefits for the Southwest

Wyoming Highlights

The Bottom Line: Households and businesses in Wyoming can save \$900 million through greater commitment to energy efficiency.

Energy efficiency is the lowest-cost, cleanest, and least risky resource available to electric utilities in Wyoming. By implementing best practice energy efficiency programs, electric utilities would:

- Save their customers **\$900 million net**
- **Cut electricity use in 2020 by 15%** and peak demand by 14%
- **Avoid 2.4 large power plants**
- Save nearly 3.2 billion kilowatt hours per year by 2020, equivalent to **the electricity use of 240,000 typical households**
- Support **610 new jobs** and boost economic activity in the state
- Cut air pollution and **improve public health**
- Reduce CO₂ emissions by 3.5 million metric tons per year by 2020, equivalent to taking **690,000 passenger vehicles off the road**
- Reduce water consumption by **1.8 billion gallons** per year by 2020

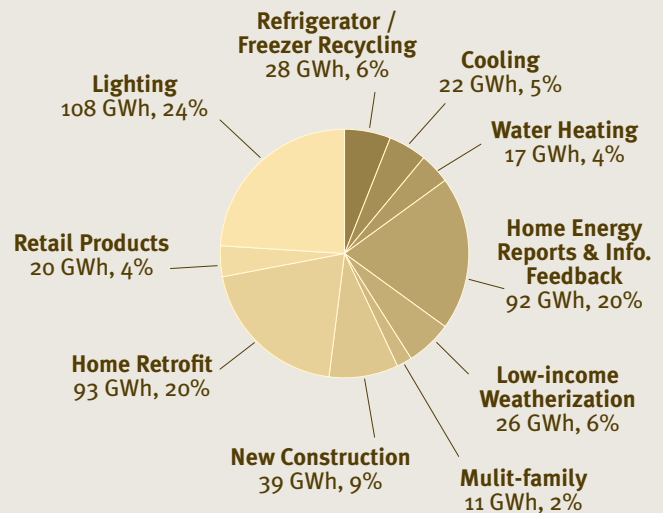
We'll Get There by Employing Best Practices

To reap the benefits listed above, Wyoming utilities should ramp up their energy efficiency funding significantly during 2013–2020.

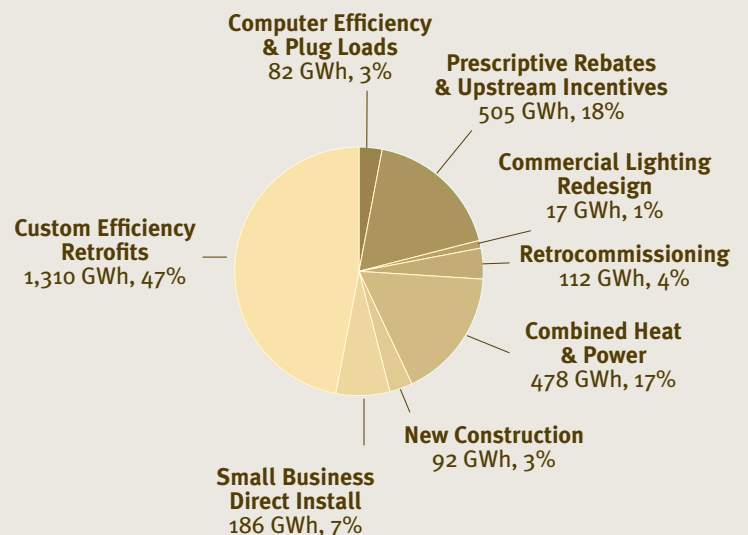
Best Practice utility energy efficiency programs include education, technical assistance and financial incentives for all customers.

Utilities should promote all cost-effective energy efficiency measures including energy-efficient lighting, appliances, air conditioning systems, electronic devices, control systems, building envelope retrofits and better performing new homes and commercial buildings.

TOTAL RESIDENTIAL ELECTRICITY SAVINGS IN 2020 BY PROGRAM (GWh)



TOTAL COMMERCIAL & INDUSTRIAL ELECTRICITY SAVINGS IN 2020 BY PROGRAM (GWh)



THE \$20 BILLION BONANZA — Wyoming Policy Recommendations

Wyoming's Energy Efficiency Efforts are Modest to Date. Wyoming should adopt the following policies to ramp up energy savings and achieve the benefits summarized below:

- **Adopt Energy Savings Goals:** Wyoming's Public Service Commission (PSC) should adopt goals for increasing energy savings to 1% of retail sales per year by 2015 and 1.5% per year in the latter part of the decade.
- **Remove Disincentives:** The PSC should separate electricity sales from utility fixed-cost recovery just as they did for Questar Gas Company.
- **Reward Performance:** The PSC should establish performance-based incentives that enable utility shareholders to earn a reasonable profit when utilities implement effective energy efficiency programs for their customers.
- **Maximize Participation and Electricity Savings:** Wyoming's utilities and PSC should fully fund all cost-effective efficiency programs.
- **Involve All Utilities:** All utilities in Wyoming should provide robust energy efficiency programs to help their customers receive the same efficiency services as those provided by PacifiCorp.

