

THE \$20 BILLION BONANZA



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

Nevada Highlights

The Bottom Line: Households and businesses in Nevada can save \$3.4 billion through greater commitment to energy efficiency.

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

- Save their customers **\$3.4 billion net**
- **Cut electricity use in 2020 by 22%** and peak demand by 21%
- **Avoid 4 large power plants**
- Save 7 billion kilowatt hours per year by 2020, equivalent to **the electricity use of 550,000 typical households**
- Support **4,680 new jobs** and boost economic activity in the state
- Cut air pollution and **improve public health**
- Reduce CO₂ emissions by nearly 4.4 million metric tons per year by 2020, equivalent to taking **870,000 passenger vehicles off the road**
- Reduce water consumption by **2.4 billion gallons** per year by 2020

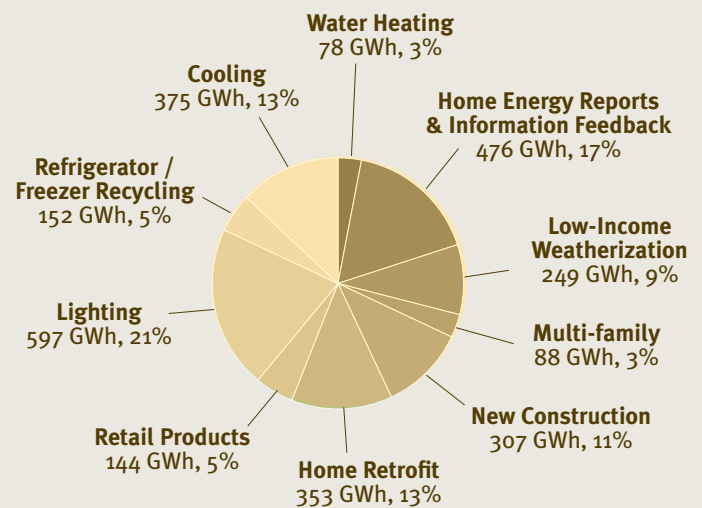
We'll Get There by Employing Best Practices

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

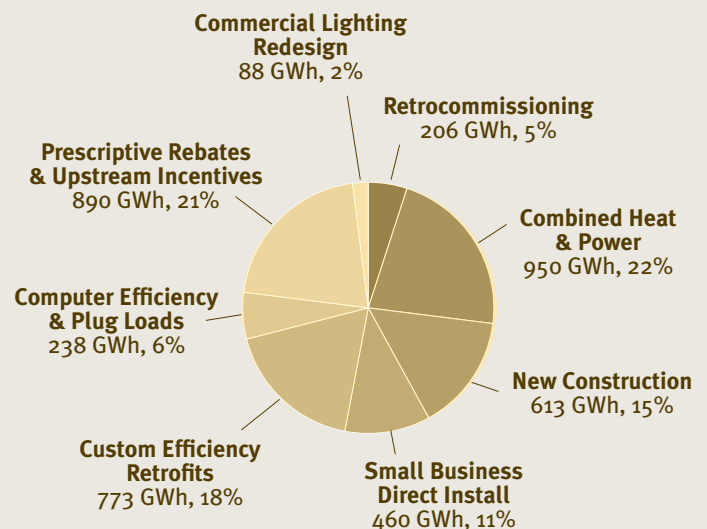
Best Practice utility energy efficiency programs include education, technical assistance and financial incentives for all customers.

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)



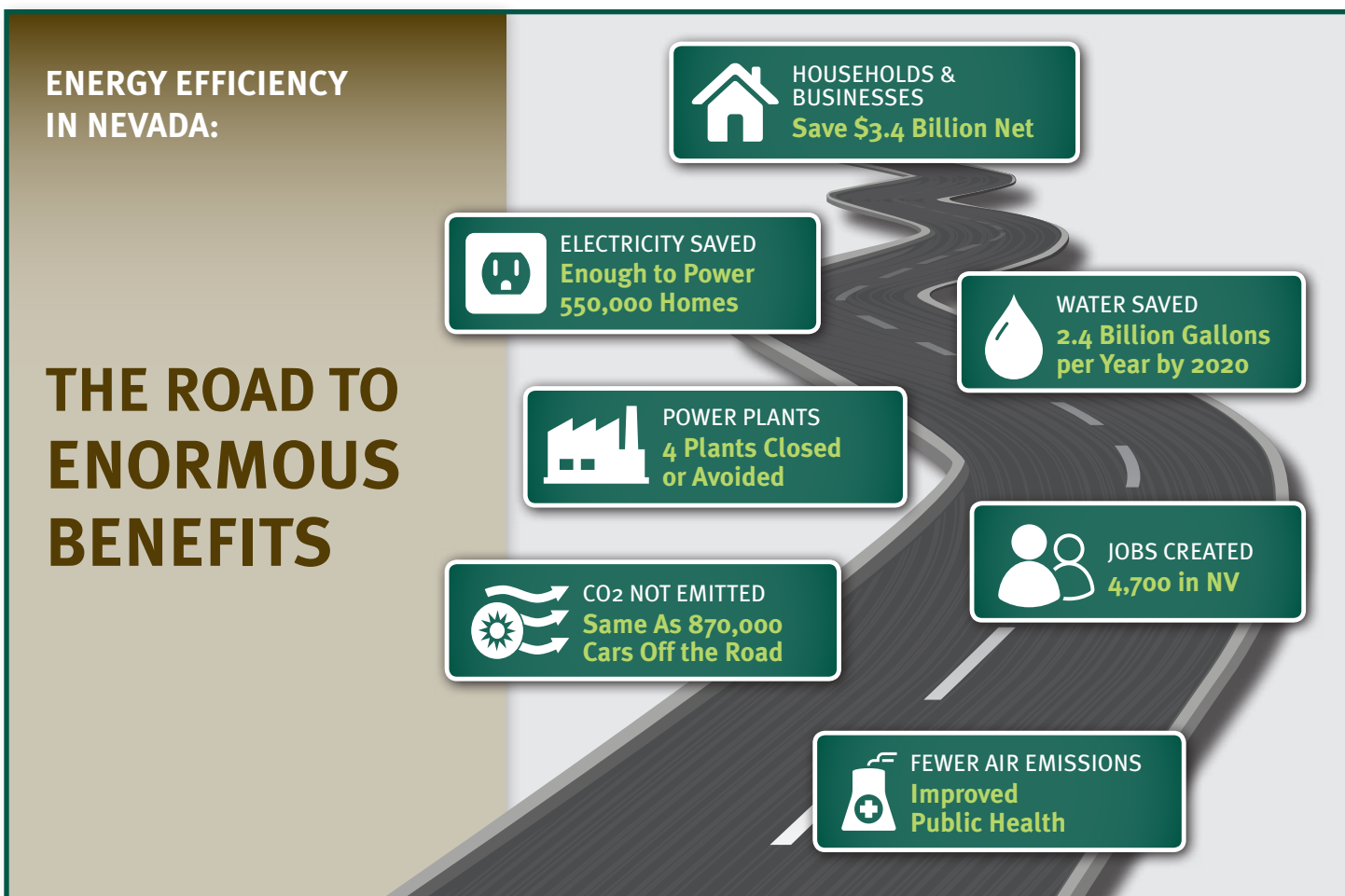


THE \$20 BILLION BONANZA — Nevada Policy Recommendations

Nevada Was Recently A Leader in Energy Efficiency and Needs To Get Back on Track.

Nevada should adopt the following policies to ramp up energy savings and achieve the benefits summarized below:

- **Adopt Separate Energy Savings and Renewable Energy Standards:** Nevada’s legislature should adopt stand-alone energy savings requirements to enable the state’s major utility, NV Energy, to resume its leadership in comprehensive and well-funded programs.
- **Remove Disincentives:** Nevada’s legislature should separate electricity sales from utility cost recovery so that the utility is not financially harmed when it implements energy efficiency programs for its customers.
- **Reward Performance:** The Public Utilities Commission of Nevada (PUCN) should establish performance-based incentives that enable utility shareholders to earn a reasonable profit on its investment in effective energy efficiency programs.
- **Maximize Participation and Electricity Savings:** Nevada’s legislature should direct utilities and the PUCN to fully fund all cost-effective efficiency programs.
- **Involve All Utilities:** All utilities in Nevada should provide robust energy efficiency programs to their customers.



For more information and a full report, visit www.20BillionBonanza.com

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