

Energy Policy and Analysis Activities in EETD

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Research Themes

- ❑ How energy is used
- ❑ Effectiveness of technologies to reduce energy use
- ❑ Effectiveness of policies to promote these technologies

Analysis Timescales

- ❑ Future (Energy demand forecasting, efficiency potential studies)
- ❑ Current (Policy design and implementation)
- ❑ Past (Program evaluation, energy efficiency indicators)

Selected Highlights

- ❑ Providing technical support and analysis for California agencies implementing AB32 (CARB, CEC, CPUC)
- ❑ Technical and economic analysis for DOE energy efficiency standards
 - ❑ Residential HVAC, water heaters, pool heaters
 - ❑ Distribution transformers and small electric motors
 - ❑ Home appliances
- ❑ Informing energy potentials studies (American Physical Society and National Academy of Sciences)
- ❑ Advanced web-based energy analysis tools & information
- ❑ Analyze options and assess impacts of Energy Star program

Selected Highlights (2)

- ❑ Developing ISO energy management standard for industrial facilities
- ❑ Improving climate-policy models to better represent carbon-reduction potential of EE
- ❑ Assisting Federal agencies with EE procurement and facility management
- ❑ Conducting workforce needs assessment for EE services industry
- ❑ Technical assistance to state PUCs on EE policy, programs, and implementation
- ❑ Assess ESCO Industry and Market Trends

Looking Forward

- ❑ As a national lab, LBNL has national and international scope
- ❑ But, energy efficiency is really implemented at the state and local level
- ❑ Collaboration with utilities and state/local officials is essential to the success of the programs and technologies we analyze