



RENEWABLE ENERGY STORAGE TASK FORCE REPORT

Presented to the New Mexico Science, Technology and
Telecommunications Committee

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RENEWABLE ENERGY STORAGE 2013 LEGISLATION

- **House Joint Memorial 10 – Introduced by Representative Stephanie Garcia Richard**
- **Senate Joint Memorial 43 – Introduced by Senator William P. Soules**
 - **Inventory major existing federal and state renewable energy storage policies and regulations**
 - **Develop legislative and regulatory recommendations and alternatives that can incentivize renewable energy storage technologies and infrastructure development to benefit New Mexico**
 - **Recommendations drawing on successful planning practices**

TASK FORCE MEMBERSHIP

- **Electric Utilities and Cooperatives**
- **National Laboratories**
- **Universities**
- **Private Sector**
- **Non-Profit Organizations**
- **State Government**



ENERGY STORAGE PLANNING: TEXAS, COLORADO, ARIZONA & CALIFORNIA

Texas - Exponential growth of renewable energy technologies

- **Legislation defines how energy storage is regulated**
- **Working Group identifies potential revisions to rules**

Colorado - Sponsored a study of energy storage potential

- **Reviews and approves funding for R&D of energy storage**

Arizona - No specific incentives, requirements or legislation

- **A new solar project has 6 hours of renewable energy storage**

California - Identified barriers to adoption

- **Two years of policymaking and deliberation**
- **Adopted procurement target**

NEW MEXICO'S UNIQUE MARKET

- **Potential for Renewable Energy Development**
- **Electricity Grid**
- **National Laboratories**
- **Attracting New Industries**
- **University System and High-Tech Business**
- **Experience in Energy Storage Deployment**
- **Low Electricity Prices**
- **Rural, Remote Populations**
- **Electricity Cooperatives**

OPTIONS

- **The ideas presented on the following slides are options, not recommendations**
- **The Task Force did not rank or reach consensus on these options**
- **Inclusion in this report does not reflect that all Task Force participants are in support of each option mentioned.**

EIGHT OPTIONS

- A.** Create an energy storage advisory council to guide state government on renewable energy storage development and deployment in New Mexico.
- B.** Coordinate with other Western states to collectively identify opportunities for regional renewable energy storage.
- C.** Evaluate existing incentives for business development and modify them as needed to encourage design and manufacture of energy storage software and controls.
- D.** Continue research and development activities in partnership with New Mexico's national laboratories, universities and utilities.

EIGHT OPTIONS (CONTINUED)

- E.** Support a large-scale energy storage demonstration project.
- F.** Consider examining time-of-use rate expansion and how it would impact New Mexico ratepayers.
- G.** Explore modifications to the New Mexico Production Tax Credit (PTC) to provide more certainty to the renewable energy industry and/or directly incentivize renewable energy storage.
- H.** Continue to investigate funding or cost recovery options for renewable energy storage projects in New Mexico.

RENEWABLE ENERGY STORAGE TASK FORCE CONCLUSION

- **The U.S. energy storage landscape is changing rapidly**
- **New Mexico's own evaluation of how energy storage can best benefit its citizens, electricity system and economy has begun with this Task Force**
- **Broad diversity and high level of engagement of participants demonstrate a strong coalition of support for exploring energy storage issues**