



CESA Support of Sandia's Energy Storage Demonstration Program









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2023 DOE Office of Electricity Peer Review – Deployment Projects

Presentation ID #102



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Thank You!



Dr. Imre GyukDirector, Energy Storage Research
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Waylon Clark
Energy Storage Program Demonstration Team Lead
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Celebrating 20 Years of State Leadership



The Clean Energy States Alliance (CESA) is a national, nonprofit coalition of public agencies and organizations working together to advance clean energy.

CESA members—mostly state agencies—include many of the most innovative, successful, and influential public funders of clean energy initiatives in the country.

CleanEnergy States Alliance







































NYSERDA









Together.















Energy Storage Technology Advancement Partnership (ESTAP)

Conducted under contract with Sandia National Laboratories

Funding from US DOE Office of Electricity

- Facilitate public/private partnerships to support joint federal/state energy storage demonstration project deployment
- Support state energy storage efforts with technical, policy and program assistance
 - Disseminate information to stakeholders through webinars, reports, case studies and conference presentations



Support for Energy Storage Across the Nation

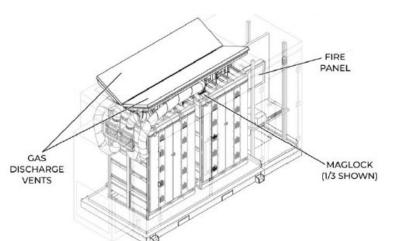
Demonstration Project Support (recent & current projects)

- Albuquerque Public Schools
- Vermont SHEI region (GMP & VEC)
- Decorah, Iowa (Alliant)
- EPB (Chattanooga, TN municipal utility)
- AVEC (Alaska Village Electric Cooperative)
- NELHA (Natural Energy Laboratory of Hawaii Authority)
- NRECA (National Rural Electric Cooperative Association)
- Villalba, Puerto Rico microgrid





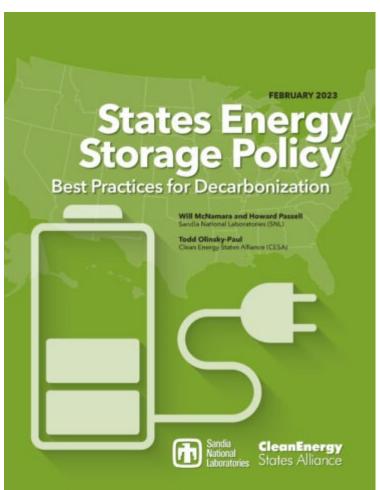




Joint report with Sandia: States Energy Storage Policy - Best Practices for Decarbonization

- Summarizes findings from a 2022 survey of states leading in decarbonization goals and programs
- Summarizes findings from a 2022 survey of energy storage developers
- Highlights best practices, identifies barriers, and underscores the urgent need to expand state energy storage policymaking to support decarbonization in the US
- Provides a "deep dive" into key state energy storage policy priorities and the challenges being encountered by some of the leading states, in the form of a series of case studies

In addition, CESA has worked with Sandia to provide tailored energy storage workshops to states and regions including Vermont, Hawaii, Washington DC, and NECPUC



1,511 page views to date (CESA website)

ESTAP Webinars October 2022-2023

			RECORDING
WEBINAR TITLE	DATE	ATTENDED	VIEWS
Behind-the-Meter Energy Storage: Comparing State			
Policies	11/17/22	143	122
Energy Storage in the Southwest: Battery Case Studies			
from Albuquerque Public Schools and the Navajo Tribal			
Utility Authority	12/1/22	77	65
New Federal Funding for Energy Storage: Inflation			
Reduction Act	12/16/22	219	348
State of the US Energy Storage Industry: 2022 Year in			
Review	1/10/23	297	1325
Distributed Storage for Home Health and Resilience	3/14/23	177	171
States Energy Storage Policy: Best Practices for			
Decarbonization	3/23/23	187	115
The Energy Storage Interconnection Bottleneck	5/23/23	285	365
Battery Decommissioning, Recycling, and Reuse	9/20/23	288	109
Domestic Lithium: What The US Government is Doing to			
Increase Supply	10/10/23	169	111
EPB Energy Storage: Resilience and Peak Shaving in			
Chattanooga, Tennessee	11/23	IN DEVELOPMENT	

ESTAP WEBINARS 2011 - 2023				
YEAR	NUMBER OF WEBINARS	ATTENDANCE		
2011	3	107		
2012	6	303		
2013	11	844		
2014	6	694		
2015	7	1,252		
2016	11	2,074		
2017	7	1,864		
2018	4	983		
2019	9	2,949		
2020	6	1,842		
2021	4	789		
2022	9	1,878		
2023	6 (to date)	1,403		
TOTAL	89	16,982		

CESA Energy	Storage \	Working	Groun	(ESWG)

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DATE	TOPIC	
October 2022	Maine update, Maryland update	
November 2022	New Jersey update, Energy Storage straw poll	
December 2022	CEG Peakers Report, Cooling Report, Technical Assistance Fund	
January 2023	New York update and NY Energy Storage Roadmap	
February 2023	Lynn Heller, Equity in Financing; SMUD Community Storage Program	
March 2023	Massachusetts update, Sandia/CESA Best Practices for Decarbonization Report	
April 2023	CEG Interconnection Report	
May 2023	Michigan update, CEG PURPA presentation, New Mexico update	
June 2023	Voltus, Enel NA	
July 2023	Virginia update, Connecticut update	
August 2023	Rhode Island update, Washington DC update	
September 2023	California update, CA LDES Program, Washington State update, Maryland update	
October 2023	Maine update, New Jersey update	

CESA DIRECT POLICY SUPPORT TO STATES – RECENT EXAMPLES

- New Jersey support program development (Storage Incentive Program)
- Pennsylvania support working group (PA DEP Energy Storage Consortium Steering Committee)
- Maine Support program development (Energy Storage PON and upcoming RFI)
- Maryland Support program development (Energy storage incentive rate setting and equity recommendations)
- Connecticut Support program design and implementation (Technical support for multifamily affordable housing participants in Energy Storage Solutions program; support for program design)
- Washington, DC support grant program (review PON submissions)
- Vermont Support legislative initiatives (testimony before legislative committee)
- Virginia Participation in RACER award project (Planning/feasibility studies for remote community resilience hubs)
- Washington State Support review of bidders for energy storage program contract

Some ESTAP Statistics

- The ESTAP distribution list has 7,912 subscribers
- CESA's ESTAP webpage had 1,409 pageviews in the past year (October 2022 through October 2023)
- The Sandia/CESA report "States Energy Storage Policy: Best Practices for Decarbonization" had 1,511 pageviews on CESA's website
- ESTAP has produced 90 energy storage webinars since 2011 (including one scheduled for November)
- Webinar attendance since 2011 totals 16,982 (not including views of the recorded, archived webinars)

New/upcoming work

- Non-lithium demonstration projects with states and Sandia/DOE
- Possible collaboration with CEG on equity projects
- Equity best practices report in development with Sandia
- LDES consortium support and participation

Thank You

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