

LINE COMMISSION MEETING MAY 16, 2019

PRESENTER:
DOUG HUNTER
CHIEF EXECUTIVE OFFICER

PROJECT SUBSCRIPTION

- Participation is at approximately 244 MW or four NPM
 - UAMPS Participants 124 MW
 - MOU Among US DOE, UAMPS, AND BEA
 - NPM I & 2; JUMP and PPA
 - FOAK risk reduction
- Working with existing and new UAMPS Participants on additional subscription



SHOSHONE - BANNOCK TRIBES

- UAMPS recognizes the Gov-to-Gov relationship between the Tribes and DOE
- UAMPS has briefed the Tribes on its site selection process and has received feedback based on the Tribes' interest
- UAMPS will continue to work with the Tribes during its selection process
- Once the proposed site has been selected, the Tribes will continue to have a role as the preferred site is characterized as part of the NRC process

NRC Licensing Progress

NUSCALE UPDATE

Supply Chain Development

Market Outlook

WETVS DRY COOLING STUDY

- Preliminary Analysis shows dry cooling (air cooled condensers) to be more cost effective over 40 year life of the project
- Additional analysis being performed over the next 60 days to validate several assumptions (ACC equipment, layout changes, water usage, cost effectiveness over 60 year life)
- Parasitic load to operate dry cooling equipment are favorable compared to wet cooling
- Significant water usage savings by going ACC (2,000 af/year versus 21,000 af/year utilizing wet)



I00% RENEWABLES VERSUS 100% CLEAN

100% decarbonization of the energy sector by using wind, water, and solar (WWS) and batteries

Decarbonization will be much more difficult if toolkit of resources is constrained to WWS. WWS and batteries may be cost prohibitive and infeasible

- WWS are not dispatchable resources
- Nuclear and CCS should be considered in the decarbonization toolkit—need for a flexible resource to balance the system

NELA AND STORAGE

Nuclear Energy Leadership Act (NELA) (S. 903)

- Extends the maximum length of federal PPAs from 10 to 40 years.
- Sets specific advanced nuclear R&D goals with requirement for demonstration projects in consultation with national labs

Storage Bills (S. 1234 Nuclear Waste Administration Act; Sen. Barrasso bill (not introduced)

- Barrasso bill: Finish study on Yucca for permanent repository
- S. 1234: Consensual based siting for temporary and permanent storage
- Both bipartisan bills aimed at storage solutions

CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA

NEIL L. BRADLEY
EXECUTIVE VICE PRESIDENT (
CHIEF POLICY OFFICER

1615 H STREET, NW WASHINGTON, DC 20062 (202) 463-5310

April 29, 2019

The Honorable Lisa Murkowski Chair

Committee on Energy and Natural Resources United States Senate Washington, DC 20510 The Honorable Joe Manchin Ranking Member Committee on Energy and Natural Resources United States Senate Washington, D.C 20510

Dear Chair Murkowski and Ranking Member Manchin:

The U.S. Chamber of Commerce supports S. 903, the Nuclear Energy Leadership Act ("NELA"). With 16 bipartisan cosponsors, NELA embodies the across-the-siste collaboration necessary to develop effective legislation that will move America forward and enhance our global competitiveness.

NELA would bolster America's historic leadership in nuclear energy by developing nextgeneration nuclear energy resources. While other countries have developed competing nuclear industries, our domestic development and use of nuclear generation has stagnated. NELA would tip the balance back in our favor.

NELA would require the Department of Energy to create a ten-year nuclear energy strategic plan, while fostering the development of advanced reactor demonstration projects, including a fast neutron source. This legislation would also establish an advanced nuclear finel security program and authorize long-term nuclear power purchase agreements. NELA would facilitate the nuclear industry's design and deployment of advanced reactor concepts and establish the University Nuclear Leadership Program, which would harmess the technical know-how of our domestic innovators while training tomorrow's advanced nuclear developers and operators.

In light of the challenges posed by climate change, innovative nuclear energy technologies hold great promise to provide reliable, affordable, safe, and carbon-free electricity to power America forward. As such, the Chamber urges the Committee to favorably report S. 903 to the full Senate.

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Neil L. Bradley

cc: Members of the Senate Energy and Natural Resources Committee

U.S. Chamber Supports NELA 4/29/19

