



## APPA NATIONAL CONFERENCE

# FLEXIBLE NUCLEAR FOR LOW-COST DECARBONIZATION

JUNE 11, 2019

# **100% RENEWABLES VERSUS 100% CLEAN**

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

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

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

## CFPP ATTRIBUTES

- NRC finding that NuScale Plant will not require **Back-Up Power** from either on-site sources or grid for safe shut-down
- **Fast Dispatch** from 33% to 100% of capacity
- NRC finding that NuScale plant will only be required to have **Emergency Planning Zone** to its fence line

## **COST AND VALUE PROPOSITION**

- **Contractual not-to-exceed \$55 per MWh (\$2018\$)**
  - Competitive with NGCC at current natural gas prices
  - Fits within the 100% clean power generation bills passed by multiple states
  - Market based response to GHG, eliminates need for Federal Regulation
  - Complements Electric Market Regulation (ISO/RTO)

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# QUESTIONS

**Presenter:**

**Douglas Hunter**

**Chief Executive Officer**

