

LOS ALAMOS COUNTY POWER SUPPLY

January 12, 2017

Steve Cummins, Deputy Utilities Manager – Power Supply
Los Alamos Department of Public Utilities

LOS ALAMOS COUNTY POWER SUPPLY

Electric Coordination Agreement (ECA) expires 2025

Pool Resource Portfolio

LAC

- 36 MW SJGS “coal” - 2022
- 10 MW LRS “coal” – Life of the Plant (2040 – 2042)
- 17 MW Abiquiu run of the river hydro
- 9 MW El Vado run of the river hydro
- 1 MW Western Area Power Administration WAPA Federal hydro allocation
- 1 MW Solar PV

LANL

- 5 Mw gas fired steam turbines - TA-3 Steam Plant.
- 27 MW Gas Turbine – CGTG at TA-3
- 10 Mw WAPA Federal hydro allocation

Utah Associated Municipal Power Systems (UAMPS) – Members since 2014

FUTURE ENERGY RESOURCES

Future Energy Resources Committee Recommendation, BPU adopted recommendations January & March 2016

- 2040 Goal of being Carbon Neutral
- Continue to explore participation in the UAMPS nuclear power project as a replacement source of base power, carefully considering plant safety, realistic life-cycle costs, and potential for a cooperative power-sharing arrangement with DOE/LANL after 2025.
- Carbon Free Power Project - **OPTION**

COMPARING RESOURCE OPTIONS

- DPU is currently working with PACE Global on developing an Integrated Resource Plan (IRP)
- The IRP is the primary document used in the power supply decision making process
- The IRP analysis will look at the following:
 - DPU goal of being a carbon neutral electric provider by 2040
 - A post 2025 partnership with Los Alamos National Laboratory
 - Comparison of multiple resource portfolios using a levelized cost of energy
 - Risks and benefits of each resource option

SCHEDULE

- December 1st 2016 Public Meeting – NuScale’s SMR Technology
- January 12th 2017 Public meeting - Carbon Free Power Project CFPP
- March/April 2017 - Integrated Resource Plan (IRP) Presentation to BPU
- May, June 2017 - Recommendation on CFPP Phase II – Site Characterization