

**Carbon Free Power Project
Update to
Senate State Affairs Committee & House Environment,
Energy & Technology Committee**

January 22 & 23, 2019

By

Douglas Hunter, CEO & General Manager, UAMPS



General Update

- Participation is at approximately 230 MW or four NPM.
 - UAMPS Participants 110 MW.
 - MOU Among US DOE, UAMPS, AND BEA.
 - NPM 1 & 2; JUMP and PPA.
 - FOAK risk reduction.
- ~390 MW of discussion.
 - UAMPS members.
 - WAPA & BPA transmission located utilities.
- ~100 MW still to be determined.
 - New interest.

General Update

- COD 2026
 - COLA submittal, License approval, FNTTP & Construction.
- Anticipated on to grid cost \$55 per MWh in today's dollars.
 - Class four estimate.
 - DOE partnership.
 - Competitive with NGCC @ current natural gas prices.
- Contracting for engineering and operations.
 - Tennessee Valley Authority.
 - Owner's Engineer.
 - Operation.

General Update

- Water usage study.
 - Wet, evaporative cooling of the steam cycle.
 - Dry, radiator cooling of the steam cycle.
 - Costs and impacts.

General Update

- Construction jobs.
 - Estimated 3,356 construction jobs (REDI Economic Impact Report, 2019)
- Operational jobs.
 - Estimated 1,600 and 2,000 direct jobs (REDI Economic Impact Report, 2019)
- Market solution to climate change.
 - No need for carbon fired generation.
 - No economic impact given a carbon tax.

General Update

- Integration with renewables and storage.
 - Multiple units.
 - Fuel
 - Over generation.
- Regional Electric Markets.
 - Low Local Marginal Price
 - Quick response
- Southeast Idaho reliability.
 - Regional microgrid.
 - First responder power.

General Update

- Thank you.
- Contact; doug@uamps.com