

UAMPS Development of a Small
Modular Reactor
Energy Communities Alliance
Conference January 30, 2020

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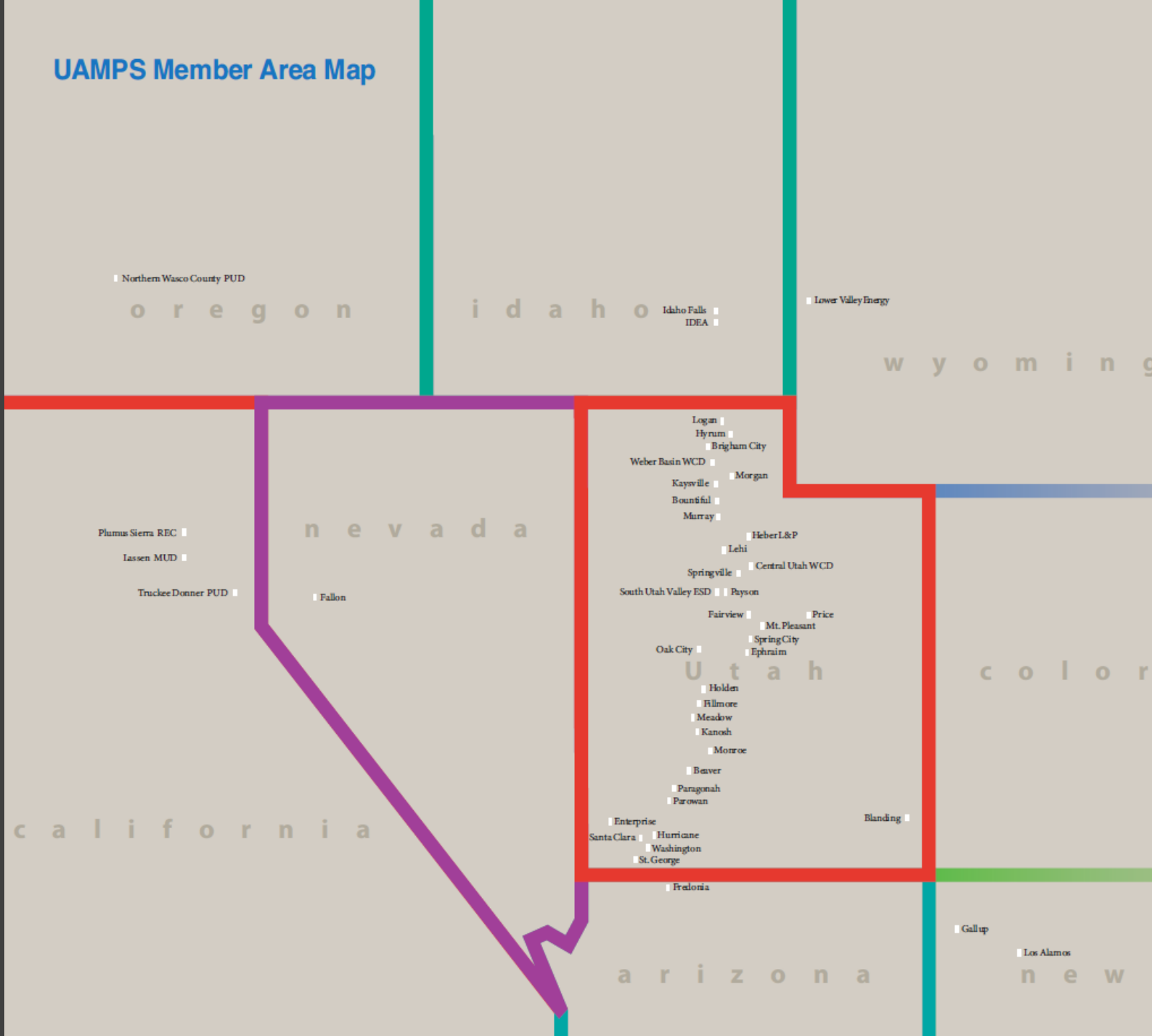


Acknowledgment & Disclaimer

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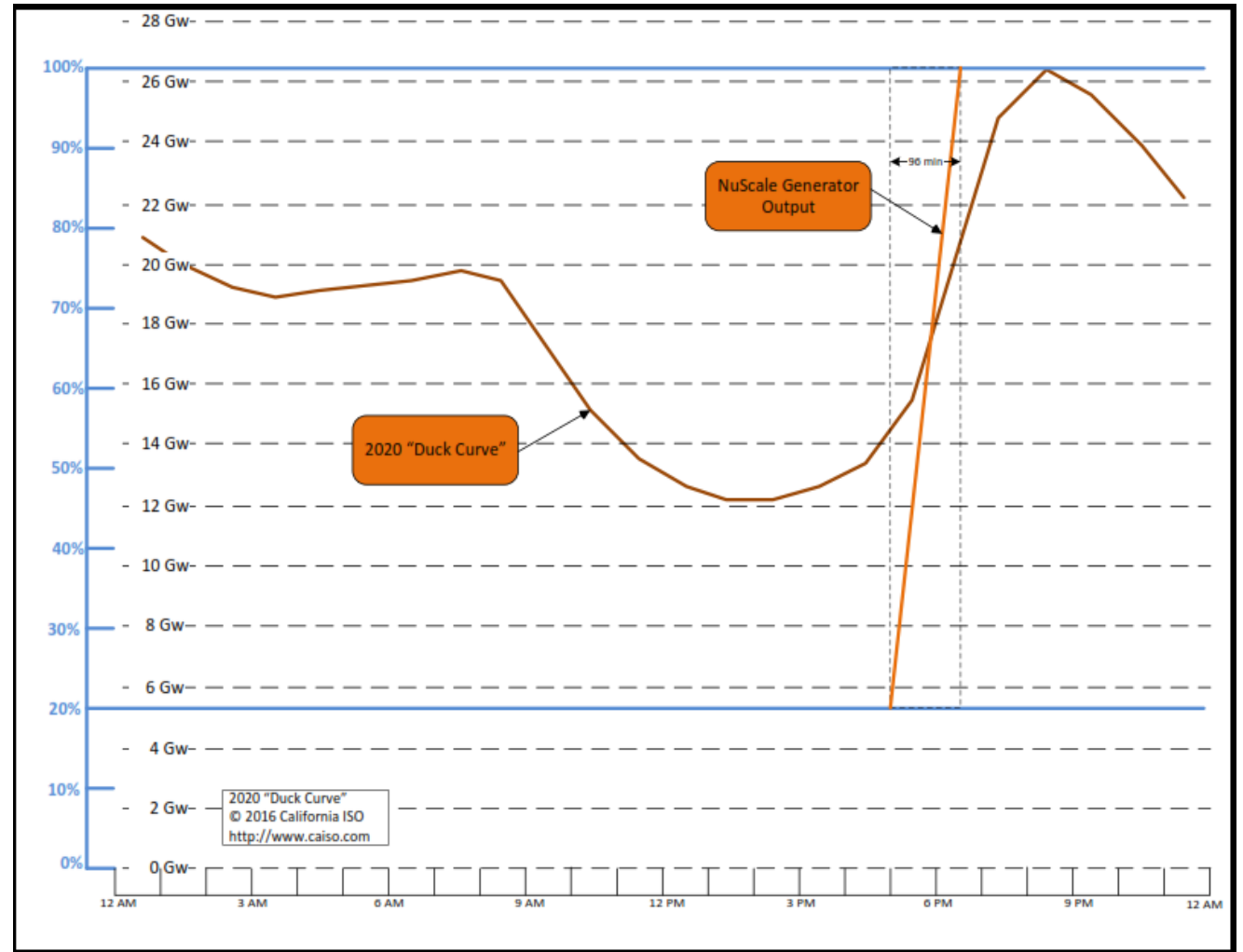
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- Project-Based
- Energy Services
- Not-for-Profit
- Why UAMPS exists



Value Proposition of Developing SMR

- SMR's role in meeting future firm capacity needs alongside high penetration of renewables
 - Avoids Overbuilding of Renewables & Consequent Curtailments
 - More Cost Effective than Renewables & Batteries
 - Less new transmission
 - Lower land use requirements
- GHG emitting resources will be prohibited and/or consumers will drive shift away from GHG emitting resources



Lessons Learned Developing a First of a Kind SMR, so far....

Discussing nuclear is difficult (over 120 public meetings in front of 36 UAMPS member communities)+ first of a kind issues

Lessons Learned from V.C. Sumner and Vogtle—refining engineering design to high level before starting construction

Phased development approach necessary to garner community support

DOE support critical for de-risking project (JUMP, Cost Sharing through Cooperative Agreement, and Power Purchase Agreement)