



TIMELINE & SUMMARY

2020

- Spring – The CVEA Board unanimously supported looking into advanced reactor technology for a potential solution to CVEA’s high cost, variable winter-time energy
- Summer – CVEA partners with UAF Alaska Center for Energy & Power (ACEP) working with a virtual intern to collect data regarding the utility; the data was used for updating a 2011 study performed by ACEP evaluating “Small Scale Modular Nuclear Power – an option for Alaska”

2021

- July – CVEA was approached by Ultra Safe Nuclear Corporation (USNC) during a tour through Alaska they were conducting to meet with utilities and other industries
- October – CVEA/USNC agree to conduct a feasibility study for the MMR technology in the CVEA service territory
- November – CVEA & USNC meet with the Alaska delegation in Washington, D.C. to inform them of the feasibility study efforts

2022

- January – CVEA & USNC meet with Legislators in Juneau to inform them of the feasibility study efforts
- February 1 – Governor Dunleavy releases SB177 (Micro Reactors), CVEA quoted in news release
- February 2 – CVEA issues news release - Copper Valley Electric Partners with Ultra Safe Nuclear Corporation to Perform Feasibility Study of a Micro Modular Reactor (MMR®) Energy System in Alaska
- February – Project information added to cvea.org
- February – May – CVEA testifies multiple times on SB177
- October 5 – SB177 signed into law
- February – November – CVEA meets with various stakeholders discussing the feasibility study and the potential project
 - Public meetings held in Glennallen and Valdez
 - Information regarding the feasibility study was shared at the CVEA Annual Membership Meeting in Glennallen and Valdez
 - Met with Valdez City Council, Alaska Native organizations, Copper Basin Chamber of Commerce, conducted interviews on local radio, national podcasts and publications
- October – Draft feasibility study delivered to CVEA
- December – Internal economic analysis performed by CVEA
- October 2022/January 2023 – CVEA Board reviewed feasibility study and determined that there was too much economic risk for members to own and operate the project; Power Purchase Agreement (PPA) being pursued with USNC

POTENTIAL MMR PROJECT

TIMELINE & SUMMARY (CONT.)

2023

- February – Public meetings were held in Valdez and Glennallen to share the results of the feasibility study
- May – A summary of the feasibility study results were shared at the CVEA Annual Membership Meeting in Glennallen and Valdez
- July – After thorough research, USNC determined a PPA to meet CVEA needs would require additional year-round heat and/or power customer agreements to be economically feasible
- August 9 – CVEA issued news release – Micro-Modular Nuclear Reactor Project Tabled Indefinitely by CVEA
- August 30 – CVEA will hold a virtual meeting to communicate the final results of the project, answer questions, and receive comments

NOTES

Although CVEA conducted a feasibility study with USNC, there were many other MMR manufactures that CVEA was in conversations with. Those included Westinghouse, OKLO, NuScale, & Radiant Technologies. USNC was selected to further explore due to the potential opportunity to partner on a project and the size of the unit best matched the CVEA system.