



9th Edition January 26, 2020

## A New Year for UAMPS and Clean Energy

**How Much Energy Will We Need?** A big challenge for many UAMPS members is forecasting future energy needs. UAMPS' expert staff supports members with load and resource forecasting tools to calculate energy requirements in future years.



**UAMPS' Horse Butte Wind Farm**

While some members are seeing slow population growth, others serve communities that are growing very rapidly. But population growth is only one factor in forecasting future load needs. Many futurists are predicting rapid electrification of the transportation industry once needed infrastructure is in place. That will increase load considerably. Other experts say we must also electrify home heating and cooling and essentially all manufacturing and industrial processes to dramatically reduce carbon emissions.

To meet these future clean-energy needs, UAMPS and its members continue to emphasize conservation, efficiency and rooftop solar, while also investigating and developing other carbon-free projects. These projects include, utility scale solar, wind, waste heat and a small modular nuclear reactor project.

With good forecasting for future energy needs, and the development of carbon-free projects, UAMPS members will be able to meet increased demand, providing ample carbon-free energy, at affordable rates, to customers far into the future.

**Update: Carbon Free Power Project.** The Project Management Committee (PMC) for the small modular nuclear reactor project has taken key steps forward

in the last month, signing two important agreements with NuScale Power and Fluor Corporation. The contracts move the project from preliminary development work to actual engineering work on the nuclear plant.

The agreements also begin detailed work on an application to the Nuclear Regulatory Commission to build and operate the plant.



Finally, the agreements help ensure affordable electricity from the finished plant by establishing conditions under which UAMPS can withdraw from the project if the LCOE price exceeds \$55 per megawatt hour. You can read press releases about the agreements [HERE](#) and [HERE](#).

**Status Report on CFPP from Doug Hunter.** UAMPS CEO & General Manager Doug Hunter provides an excellent report on the latest Carbon Free Power Project developments in a Public Power Now podcast interview with the American Public Power Association. He outlines the benefits expected to flow from the deployment of SMRs. Listen to the podcast [HERE](#).

---

## Articles & Updates

**U.S. Department of Energy Unveils Strategy for US Nuclear Science & Technology.** The Office of Nuclear Energy (NE), part of the US Department of Energy, has outlined its plan to support the existing US nuclear generation fleet, demonstrate the latest innovations in nuclear energy technologies and explore new market opportunities. The Strategic Vision is a blueprint for NE to achieve its mission of advancing nuclear energy science and technology to meet US energy, environmental and economic needs. Read [FULL ARTICLE](#).

**Role of Nuclear Power in Solving Climate Change.** For anyone needing a refresher course in the vital role nuclear power will play in combatting climate change, watch [THIS VIDEO](#) featuring Dr. Joshua Goldstein, who co-authored the book, "A Bright Future. How Some Countries Have solved Climate Change & the Rest Can Follow".

**Advanced Reactors Stand on the Shoulders of Giants.** A [RECENT ARTICLE](#) by the Nuclear Energy Institute notes: "Advanced reactors (like NuScale's Power Module) will break the mold of what we think nuclear energy can accomplish: some will be smaller, some will use different kinds of fuel and others will do more than just make electricity. This new technology may seem like uncharted waters, but when operators, technicians and other workers start up the first reactors of the new generation, they will bring with them years of nuclear experience to run machines that have been optimized with lessons from the current fleet."

**Nuclear Shouldn't Frighten You.** An [ARTICLE](#) by W.D. Budinger addresses common concerns about nuclear energy.

---

## In Other News . . .

**Ted Olson – a UAMPS Original:** UAMPS board members and staff were profoundly saddened to learn of the death of longtime board member Ted Olson on Jan. 23, 2021. "Ted was an extraordinary man and will be missed by all that knew him," said Doug Hunter, UAMPS CEO & General Manager. "Ted was a friend to everyone. His wisdom and leadership will leave a void on the board. Our thoughts and prayers are with his loving wife, Vicki, and his family during this time of sorrow."



Ted Olson

Olson was one of UAMPS' founding board members. He served for 40 years in many leadership positions, including board chair, vice chair and treasurer. He helped guide UAMPS' growth from 21 members and one project, to 48 members and 16 projects. He was a retired Snow College math and physics professor in 2017 and served on the Ephraim City power board since the 1970s. All of UAMPS' board and staff will greatly miss Ted Olson.

**Marshall Empey Retires.** Long-time UAMPS senior staff member Marshall Empey, currently Chief Operations Officer, has announced his retirement after 35 years of employment at UAMPS. Empey began his career in public power in February of 1986 when he joined the UAMPS staff as a dispatcher in the operations center. Since then, he has served in management roles that primarily focus on interface with UAMPS members. We wish him well in retirement.



Marshall Empey

**Gubernatorial Appointment for Gene Shawcroft.** Board member Gene Shawcroft, general manager of the Central Utah Water Conservancy District, has been appointed by Gov. Spencer Cox as the Utah Commissioner to the Upper Colorado River Commission (UCRC). The UCRC is an interstate water administrative agency that works with the upper basin states to safeguard their respective water rights and allocations while meeting obligations to the lower basin states. Shawcroft has more than three decades of experience in the water industry. We congratulate Gene on his appointment.



Gene Shawcroft

---

*If you have questions about UAMPS' plans for a carbon-free future, please email them to [jackie@uamps.com](mailto:jackie@uamps.com).*