



“Primary Local Energy Forms in 2025: Electricity and the Other Hydrogen”

Stephen Crolius, Vice President - Clean Tech Practice
Alliance Consulting Group, Boston MA

Tuesday, December 17th at 12:30 PM • Port Townsend Community Center

Coming just one month after November’s Key Speaker Jan Lars Mueller, Executive Director of ASPO-USA, explained his national view of oil and gas supply limitations and advocated for the active development of local renewable energy resources, the Key Speaker in December will offer a comprehensive picture of where such local renewable energy development might lead by 2025.

Jefferson County currently receives its primary energy supplies from external sources. The electric grid is fed by Energy Northwest and BPA, local transportation runs primarily on gasoline and diesel fuels produced from the global oil supply, and home heating and certain commercial energy systems use propane that comes mainly from national crude oil refining.

Current supplies of renewable energy from sources within Jefferson County come mostly from collection of solar energy with photovoltaic panels that feed the electric power they produce into the county electric grid. The development of local wind energy awaits an organized assessment of annual county wind patterns and local biomass work has been put on hold.

So where does this lead? How can Jefferson County move away from fossil fuels to local energy?

It is apparent that electric power will be a primary form of energy in the county in 2025. Continued local investment in the collection of solar energy and new investment in wind energy will bolster the external supplies of electricity and electric power will replace some fossil fuel consumption as electric vehicle (EV) use increases. What is not apparent is the primary form of energy for 2025 that (i) responds to fossil fuel limits and climate action and (ii) can provide alternative fuels for transportation and heating and be a means of storing excess electric power.

Regular Energy Lunch attendees will readily see that anhydrous ammonia is a natural candidate for meeting these alternative fuel, climate, and storage needs. The Key Speaker at the December Energy Lunch has strategized and advocated for this candidate on the global stage for many years describing this energy form as “the other hydrogen” because hydrogen-based ammonia has none of the major problems of storage, flammability, or handling attached to pure hydrogen.

The Key Speaker, Stephen Crolius, is Vice President and head of the Clean Tech practice at Alliance Consulting Group in Boston. He recently returned to Alliance after six years with the Clinton Climate Initiative where he led a CCI Transportation Program that focused on reducing the carbon-intensity of transportation fuels and propulsion systems. The Program partnered with forty of the most populated cities in the world as an early proponent of electric vehicles contributing significantly to electric vehicle developments in Los Angeles, London, and Hong Kong and to hybrid/electric bus developments in Latin America. Mr. Crolius has been a regular speaker at annual conferences of the NH₃ Fuel Association advocating for fleet trials of ammonia-fueled internal combustion engines as a practical means of eliminating carbon emissions in large cities. He will present electricity and ammonia as primary local energy forms.

The Key Speaker presentation by Mr. Crolius on Tuesday, December 17, 2013 is intended for everybody in Jefferson County.

Power Trip Energy, Sunshine Propane, Huber’s INN, the Alaska Power & Telephone Company, the Port of Port Townsend, Frederickson Electric, and the Port Townsend Paper Company are Local Sponsors of the Jefferson County Energy Lunch Program.

See previous Key Speaker videos: http://www.porttownsendmedia.com/energy/Energy_presentations.html

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