



EETiG 2024

Adventures in Pore Space: Shared Reservoirs in New Energy

Calgary, AB | February 7-8, 2024

Innovation - Co-Produced Geothermal Power

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Abstract

FutEra Power has developed the first of its kind Co-Produced Geothermal Hybrid Power plant in Swan Hills, Alberta, representing the first geothermal electrons on grid in Alberta and Canada. Futera harnessed the value of a world class oil and gas asset, including the sunk costs of infrastructure, existing oil and gas permits, and the expertise of its oil and gas professionals to build geothermal in a novel way. Now, FutEra will lead the next evolution of geothermal heat and power development 'at the well head'. FutEra Power is an aspiring leader in transitioning the energy complex to cleaner heat and power generation, and sustainable infrastructure, to meet society's desire for lower carbon energy solutions. The talk will describe the project, the process of innovation and practical realities of building clean technology, from creating regulatory pathways to finding capital.

Biography



Lisa Mueller is educated as a mechanical engineer with over 20 years of technical and business development experience. Lisa began her career in the space sciences on a NASA project, then moved into the commercial arena by founding and growing her own manufacturing company. Most recently, she served as Senior Business Development Manager of Infrastructure at Shell Canada and President & CEO at Epoch Energy Development. Lisa joined Razor Energy in 2017 as Vice President New Ventures.

In response to the global energy complex embracing a lower-carbon future, Razor Energy created a wholly owned subsidiary, FutEra Power. In 2023, the Alberta Investment Management Corporation, or AIMCo, purchased a majority stake in FutEra. As President and CEO, and co-founder, of FutEra Power, Lisa aims to leverage Alberta's current energy assets to develop a cleaner energy tomorrow, beginning with Canada's first operating co-produced geothermal power plant.

