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A WEBINAR PRESENTED BY THE WATERLOO INSTITUTE FOR SUSTAINABLE ENERGY

Tuesday September 14, 2021 2:30 pm – 3:30 pm

How to Join the Zoom Meeting

INTEGRATING DERS IN WHOLESALE MARKETS AND CREATING DISTRIBUTION MARKETS

Ali Golriz, Lead, System & Sector Development, Innovation and R&D, Independent Electricity System Operator (IESO)

In Federal Energy Regulatory Commission (FERC) Order 2222 is opening organized wholesale markets in the United States to distributed energy resources (DERs). In Ontario, the Independent Electricity System Operator is launching a DER Roadmap initiative to lay out objectives, initiatives, and timing for DER integration into the IESO-Administered Markets (IAMs). In parallel, distribution services – with respect to non-wires alternatives (NWA) – are being defined, procured, and relied upon to actively manage distribution systems. As well, there is increased industry efforts to develop methods for coordinating distribution system operators (DSO) with the transmission-level independent system operators (ISO) in order to allow DERs to provide all the grid services they are technically capable of (and "stack" services). This presentation will focus on the current state of DER integration in wholesale and distribution markets, including recent developments in New York, California, United Kingdom, Australia and Ontario. It will also touch on research gaps and connect DER integration in markets to a broader transactive energy narrative.

View on WISE Event Calendar



Biography



Ali has worked at the Independent Electricity System Operator (IESO) and predecessor organization, the Ontario Power Authority (OPA), in a number of roles since 2009. He has been part of the design and implementation of several provincial electricity resource procurements, with a focus on distributed energy resources (DERs) and power purchase agreements (PPAs). He is currently working on the development local electricity demonstration project in partnership with Natural Resources Canada and Alectra Utilities. Ali received a Bachelor of Applied Science (BASc) in Mechanical Engineering completed a Graduate Diploma (GDip) in Electric Power Engineering from the University of Waterloo. He also holds a Masters in Business Administration (MBA) degree from the Rotman School of Management.

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