



# Electric Utility Fundamentals + Insights Agenda

October 21 – 22, 2020 (Virtual)

## Wednesday, October 21, 2020

### 8:30 AM - 9:00 AM | GoToWebinar Open for Participants

The GoToWebinar will open at 8:30 AM in the morning. Please join early as we will start the class promptly at 9:00 AM.

### 9:00 AM - 9:30 AM | Participant Introduction & Roundtable

Students share their own backgrounds within and outside the energy industry and what they hope to learn throughout the day. Please be prepared to share at least three questions you hope to answer during the course.

### 9:30 AM - 9:45 AM | Break

Several planned breaks are scheduled throughout the day for participants to check emails, answer calls, and check in with daily work requirements.

### 9:45 AM - 10:45 AM | Module One: Fundamentals of Electricity

- Key influencers in the history of electricity.
- Utility definitions and electricity terms
- basics of how electricity is generated
- Electricity generation and "the Utility loop"
- Keys to power quality

### 10:45 AM - 11:00 AM | Break

Several planned breaks are scheduled throughout the day for participants to check emails, answer calls, and check in with daily work requirements.

### 11:00 AM - 12:00 PM | Module Two: Western North American Electricity Markets

- Service territories
- Federal regulators and departments
- NERC regions and the WECC
- Energy balancing

### 12:00 PM - 1:00 PM | Break for Lunch





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## 1:00 PM - 2:30 PM | Module Three: How Utilities Makes Money

- Types of utilities
- Common organizational structures
- Balancing interests of stakeholders
- Regulation and rate making fundamentals

## Thursday, October 22, 2020

### 8:00 AM - 8:15 AM | Day One Review

### 8:15 AM - 9:15 AM | Module Four: Generation Choices

- Number ONE rule of the electric grid
- Fossil fuel options
- Traditional low-carbon generation
- Today's renewables
- Energy storage

### 9:15 AM - 9:30 AM | Break

### 9:30 AM - 10:30 AM | Module Five: Customers + Emerging Opportunities

- Types and expectations of electricity customers
- Customers care regulations
- Electric vehicles
- Solar Energy Resources
- The Trusted Energy Advisor

### 10:30 AM - 10:45 AM | Break

### 10:45 AM - 12:00 PM | Module Six: Distributed Energy Resources + Module Seven: Integrated Resources Planning

- Energy storage
- Energy efficiency
- Electric vehicles
- Distributed generation
- Demand response

### 12:00 PM - 12:15 PM | Q&A and Wrap-Up

We circle back to the original expectations of students to ensure that expectations were met.