

TechX Vendor Agenda

Monday, August 27 – Day 1

01:00 p.m. – 02:00 p.m.	Optional General Session (for 1 registered representative)	Concord G - I
	Keynote Speaker – TBD	
02:00 p.m. – 03:20 p.m.	Breakout Session – Fleet Topics	Concord G & H
03:40 p.m. – 05:00 p.m.	Breakout Session – Fleet Topics	Concord G & H
05:30 p.m. – 08:30 p.m.	Networking	On Your Own

Tuesday, August 28 – Day 2

08:00 a.m. – 11:30 a.m.	Registration/Vendor Booth Setup	Concord A-F & I
08:00 a.m. – 09:40 a.m.	Breakout Sessions – Fleet Topics	Concord G & H
10:00 a.m. – 11:40 a.m.	Breakout Sessions – Fleet Topics	Concord G & H
11:40 a.m. – 01:40 p.m.	Lunch and Vendor Expo	Concord A-F & I
01:40 p.m. – 03:00 p.m.	Breakout Sessions – Fleet Topics	Concord G & H
03:20 p.m. – 05:00 p.m.	Breakout Sessions – Fleet Topics	Concord G & H
05:00 p.m. – 06:00 p.m.	Social Hour in Vendor Exhibit Hall	Concord A-F & I
06:00 p.m. – 07:30 p.m.	Dinner	Rocky River Lounge & Terrace

Wednesday, August 29 – Day 3		
08:00 a.m. – 09:40 a.m.	Breakout Sessions – Fleet Topics	Concord G & H
10:00 a.m. – 11:40 a.m.	Breakout Sessions – Fleet Topics	Concord G & H
11:40 a.m. – 01:40 p.m.	Lunch and Vendor Expo	Concord A-F & I
01:40 p.m. – 05:00 p.m.	Vendor Booth Teardown	Concord A-F & I
05:00 p.m. – 08:30 p.m.	Networking	On Your Own

Breakout Sessions - Fleet Topics (scheduling underway)

- **NERC CIP and Cyber Security**

The importance of Cyber Security, NERC, and why it is important to be so diligent with regard to our critical infrastructure. An update on Duke Energy's progress to-date and plans going forward.

- **FHO's Digitalization Strategy**

Digitalization is the use of digital technologies to change a business model and provide revenue and value-producing opportunities. This presentation will discuss how FHO is supporting an Enterprise initiative on advancing digital transformation.

- **Regional Generation Strategy Updates**

Regional update on the resource portfolios, some of the key elements shaping our fleet and how our GIST stakeholder teams work together to determine how to best serve our customers in the future.

- **It's a Bird! It's a Plane! Wait...No, it's a Drone!**

Come learn how Duke Energy is changing the game by using drones with existing GIS data to get to the root of the problem. Join us as we discuss how Drones and GIS are used today, the trends we are seeing in the industry, and where we expect Duke Energy to be tomorrow.

- **Fleet Technical: Check Yourself Before you Wreck Yourself**

Station Need-to-know: NG Purge (NFPA 56), Stelite Valve Seat Delamination, Tank Inspections, etc

- **Accommodating Renewable Panel**

Panel Discussion surrounding the long and short-term aspects of Generation, Transmission, and Distribution fleet planning, and dispatching.

- **Fleet Reliability Update**

An update on the fleet reliability metrics, programs, and progress to date.

- **Natural Gas Markets**

Natural Gas Markets and the effects on the planned and operating FHO Fleet (ACP, DFO, etc.)

- **Developing Technologies affecting our Business - Gas Turbines, Batteries, Distributed Solar**

How rapid change in technology offerings, costs, performance, and operating profiles are changing the way we provide energy to our customers.

- **Fleet Dispatch - Fuels & System Optimization**

Such much data! How do we make sense of it all to operate our fleet effectively and efficiently.

- **Fleet Flexibility Panel**

Discussion surrounding the research, planning, and execution of fossil fleet flexibility preparation and action in response to a fleet future full of intermittent generation.

- **Batteries, Batteries, Batteries**

Uses and the like. Batteries have mounds of capability in our future systems. We must determine their best use and full potential prior to major deployment. Duke Energy has implemented several batteries throughout its territories in various roles/responsibilities.

- **CCP/Site Demolition - Effort and Progress**

A presentation on the progress at Duke sites regarding ash cleanup per the Coal Combustion Residuals (CCR) Rule and the massive undertaking to accomplish the task. Also, an update and presentation on site demolition.

- **Ash Beneficiation Projects and Progress**

What is Ash Beneficiation and why is Duke Energy involved?

- **Advanced Analytics and Data Visualization in the M&D Center**

Spark Cognition Advances Analytics, M&D Dashboard Demonstration, Equipment Reliability Index Demonstration

- **Watch your Rear-end! - Stormwater Redirects and Outfalls**

Life after Ash Basins and what Outfalls can tell about operations. As a result of the Coal Combustion Residual Rule and the N.C. Coal Ash Management Act, ash basins are closing across the Duke Energy fleet, and "water redirect" projects are being implemented to reroute waste streams away from existing basins.

- **What is going 'Round?**

Submerged Flight Conveyor Installation, implementation, and operations – Lesson's learned.

- **Fuel Evaluator Tool**

How Station Coal Selections and Evaluations are Made, the Fuel Evaluator, and Fuel Purchasing Process. This presentation will focus on Duke's fuel evaluator tool which provides holistic total fuel costs that include operational impacts so that a true fuel cost comparison can be achieved. In addition the tool is utilized to predict impacts to the units.

- **Duke 316(b) Evaluation and Implementation**

Policy, technologies, and their implementation for the Duke fleet.

- **FHO Environmental Update**

This session will provide an update on key environmental issues and risks facing FHO with an emphasis on compliance activities and on-going implementation of the EHS Management System.