Tuesday Morning Session HIGHLIGHTS
Changing ISO Market Dynamics

Keynote Address – 10 Things that Need to Happen to Make the Energy Transition Possible
Peter Kelly-Detwiler, Author, *The Energy Switch*
At the moment, "the energy transition" seems to be the only imperative in our industry. This transition has drawn the attention of policy, capital, and the creativity of seemingly every innovative thinker around. But neither the outcome nor the timeline of this work is guaranteed. Peter Kelly-Detwiler will explore some of the most important challenges we will face as we push for change and highlight those we ourselves can most directly impact.

2022 Market Events Roundup
Jack Farley
A fast-paced review of the past 12 months in power markets leveraging Live Power data, as well as a look at our expanded coverage and new visualization tools.

Tuesday Afternoon Session HIGHLIGHTS
Track One: Supply Side ISO Focus

Impacts of the IRA on Energy Storage Development
Elizabeth Crouse, K&L Gates
Hear from an expert in the regulatory space on how the recently passed IRA will impact development.

Stacking the Watts: How to Make Your Battery Work Harder and Smarter
Panel Discussion led by Jesse Carver
A panel discussion with battery optimization experts to explore trends and challenges in this emerging space.

Track Two: Congestion Focus

Unpacking Generic Transmission Constraints (GTCs) in ERCOT
Amber Armentrout and Emily Merchant
This presentation will provide an overview of generic transmission constraints (GTCs) in ERCOT, why they matter to the market, and how Live Power data can help predict when a GTC will bind.

How the Changing Gen Stack is Impacting ISO Market Dynamics and Congestion Patterns
Cliff Rose
Renewable generation, energy storage, and interruptible loads have exploded in organized markets. Learn how these developments are impacting pricing and congestion across the markets.

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Wednesday Morning Session HIGHLIGHTS
Changing Technology and Regulatory Landscape

The Utility of AI/ML for Complex Energy Systems
Kyri Baker, University of Colorado
In this talk, we discuss how artificial intelligence (AI) and machine learning (ML) can be applied to complex energy systems. Specifically, we look at predicting power flow solutions and the potentials for load forecasting, as well as possible pitfalls of these techniques.

Trends in Forecasting
Panel Discussion led by Garrett Lodewyck
Forecasting experts will discuss emerging methods, opportunities, and challenges in power generation, load, and price forecasting.

Zooming in on 2022 in the FTR Markets
Stephanie Staska
Analyzing Trends in the FTR markets, including a dive into top performers and underperformers in the market.

Overview on Key ISO Market Changes and Implications on Data Collections
Kim Chrislip
Preview of our afternoon session on regulatory changes. Learn about recent and upcoming ISO market changes that could impact trading.

Wednesday Afternoon Session HIGHLIGHTS

Having a (Snow) Ball with Snowpark: Snowflake's New Python Data Analytics and Pipeline Library!
Sam Lockshin and Snowflake
Demonstration of Snowpark, Snowflake's new "server-side" Python data analytics and pipeline library. Learn how it integrates into your DataSignals Cloud workflows.

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Thursday - Training Day (9:30 am – 2:45 pm)

This year we are diving right into more advanced workflows and tools for Training Day. If you are a newer user or just need a refresher course on the basics, we encourage you to join one of our live 101 sessions before Summit. View that schedule and register for those sessions here: https://info.yesenergy.com/yes-energy-learning-lab-registration

Track One

9:30 am – 10:45 am
PowerSignals Tools for Asset Developers
Learn how to utilize Yes Energy tools to analyze long term price trends and drivers for plant siting purposes.

11:00 am – 12:30 pm
Day in the Life of DA Trader
In this session we'll step through a daily workflow from the perspective of a Day Ahead trader. We'll start the day in the Like Day module to create a dynamic date collection that we'll use in Price Table to get a sense for what prices might look like tomorrow. From there we'll pivot to constraint and outage analysis before finalizing our portfolio for tomorrow in Daily Portfolio Analysis. Much of this workflow is useful for Asset Operators as well.

Track Two

9:30 am – 10:45 am
Live Power Deep Dive
Join us for a deep dive into how you can use Live Power tools and data to improve real time and historical market insights.

11:00 am – 12:30 pm
Evolved Market Analysis
We'll kick off our analysis in PowerSignals, where we'll do a deep dive into recent price events and their underlying causes. Then we'll carry our findings forward to explore ways you can recreate that same analysis on a larger scale in DataSignals Cloud.

LUNCH BREAK

1:30 pm – 2:45 pm
Maximizing your FTR Portfolio
Designed specifically for FTR Traders, we'll explore all of the FTR focused modules as well as constraint and outage analysis tools as we step through an example workflow.

1:30 pm – 2:45 pm
Change Capture and Historical Revisions in DataSignals Cloud
In this session we'll walk through how you can use one of our newest features on DataSignals Cloud, Snowflake Streams, to track price revisions, time series update times, and forecast vintages for historical analysis and modeling.

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