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# Mead Area Transmission Project

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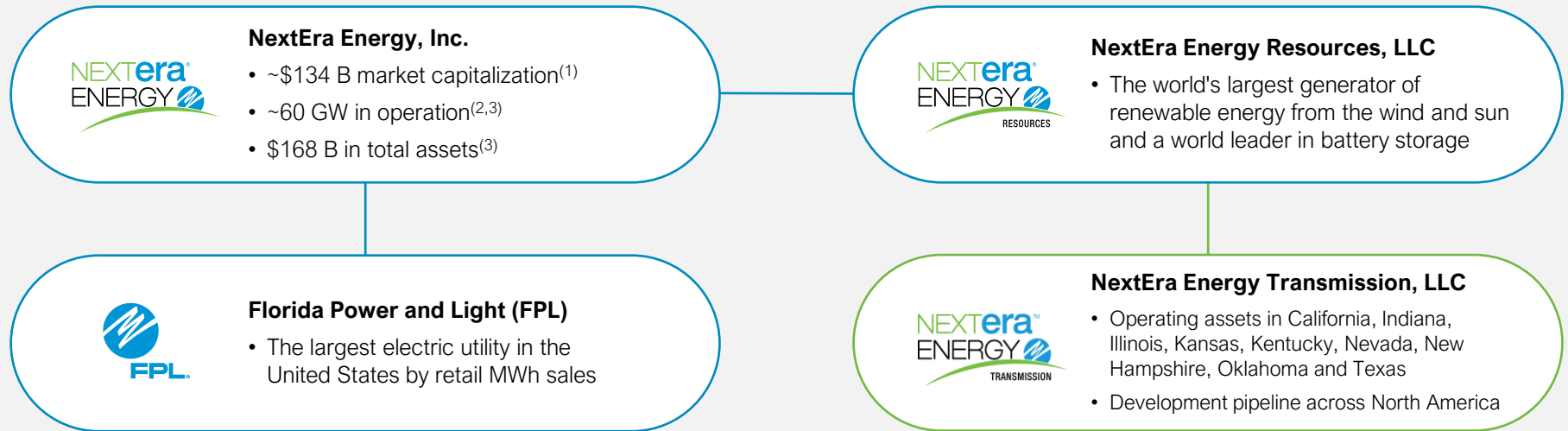
# WAPA-DSW Customer Meeting—GridLiance Agenda



- 1. NextEra Energy Transmission (NEET) & GridLiance Overview**
- 2. Mead Area Transmission Project Overview**
- 3. Next Steps**
- 4. Project Considerations**

# Overview of NextEra Energy

**NextEra Energy is a leading clean energy and utility infrastructure company active across North America**



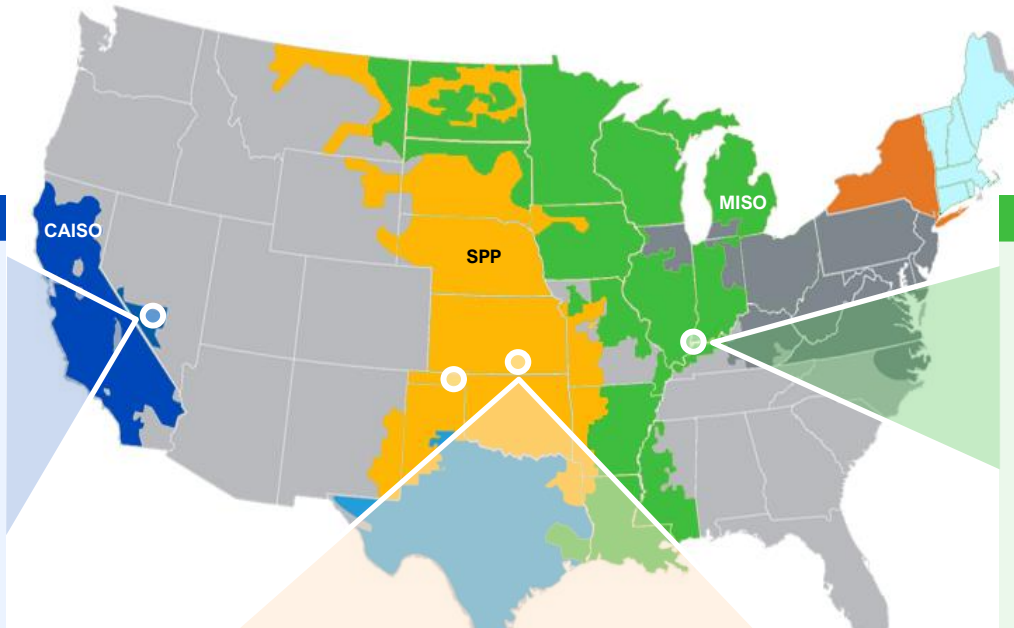
NextEra Energy Transmission (NEET), a subsidiary of NextEra, acquires, invests in, develops, owns and operates transmission across North America

1) As of September 5, 2023  
2) MW shown includes assets operated by NextEra Energy Resources owned by NextEra Energy Partners  
3) As of June 30, 2023

A growing, diversified and financially strong company

# Overview of GridLiance

**GridLiance, a subsidiary of NEET, is a transmission-only utility that partners with consumer-owned utilities to deliver tailored transmission solutions**



**GridLiance West**

- **Southwest Nevada Assets**
  - 167 miles of 230 kV transmission lines and related substation infrastructure
  - Integrated into CAISO
  - CAISO-directed reliability and resiliency 230 kV Sloan Canyon Switching Station completed in 2019
  - CAISO-directed economic upgrade completed in 2020
  - Ongoing build-out opportunities

**GridLiance High Plains**

<ul style="list-style-type: none"> <li>• <b>Panhandle Oklahoma Assets</b> <ul style="list-style-type: none"> <li>– 444 miles of 69 kV and 115 kV transmission lines and related substation infrastructure</li> <li>– Mostly integrated into SPP</li> <li>– Reliability upgrades completed in 2019</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Southern Kansas Assets</b> <ul style="list-style-type: none"> <li>– 29 miles of 69 kV transmission lines (65% ownership)</li> <li>– Integrated into SPP</li> <li>– SPP-directed reliability upgrade projected completed in 2021</li> </ul> </li> </ul>
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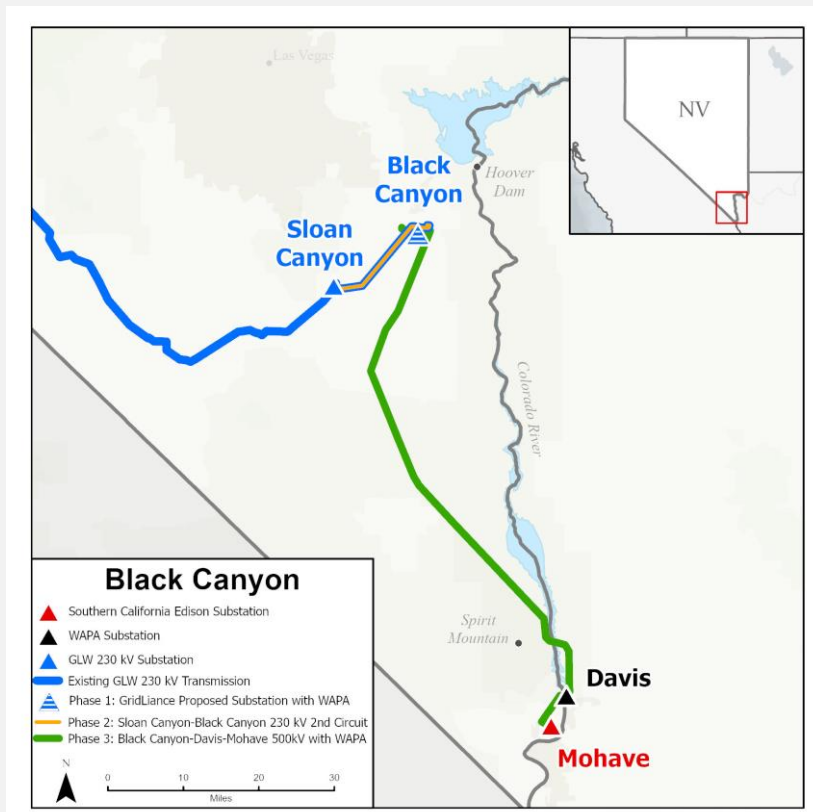
**GridLiance Heartland**

- **Ohio River Crossing Assets**
  - Six 161 kV transmission lines and related substation infrastructure
  - Located in Southern Illinois/Western Kentucky
  - Integrated into MISO
  - Ongoing buildout opportunities related to aging conditions

- Current assets in 5 states and 3 RTOs
- Municipal and Cooperative partners
- Pending offers in RTO and non-RTO regions

# Overview of the Project

The Project consists of three development phases to address the issues outlined in WAPA’s Request for Statements of Interest



- **Phase 1 (striped triangle): Co-developing new 500/230/138 kV substation in Mead Area<sup>(1)</sup>**
  - 1 GW of new interconnection capacity
- **Phase 2 (yellow line): Adding a second circuit to 230 kV Sloan Canyon – Mead transmission line**
  - 890 MW of additional transmission capacity into CAISO
- **Phase 3 (green line): Co-developing new 500 kV Mead East – Davis – Mohave single circuit transmission line**
  - 3800 MW of additional transmission capacity to Mohave substation

1) The proposed substation was referred to as “Mead East” at the January 11, 2024, customer meeting. GridLiance has used the name “Black Canyon” in discussions with DOE and CAISO to indicate that the substation is physically distinct from Mead. GridLiance and WAPA-DSW will coordinate on a final name for the substation.

Increasing interconnection and transmission capability in the Mead area

## Solution / Benefits of the Project

The Project addresses specific transmission system needs while also providing regional and interregional system benefits



- **Alleviate Congestion in Mead Area**
  - Create additional 230kV interconnection capability
  - Reduce electrical congestion near Mead
  - Increased solar development in southern Nevada
- **Improved Export Capability**
  - 890 MW of additional transmission capacity from Mead area to CAISO
  - Approximately 3800 MW of transmission capacity to Arizona and California
- **Reliability and Resilience**
  - Potential path-rating increases for WECC Paths 46, 49, 58, 81, 84, and 89
  - Potential contingency relief on existing Sloan Canyon – Mead and Eldorado – Mead 220 kV lines, Marketplace – Mead 500 kV, and Eldorado – Mead 500 kV
  - Increased access to supply diversity
- **Growth opportunities**
  - Strategically located near several inter-regional transmission developments in and around DSW

GridLiance's proposed solutions support reliability and deployment of renewables



- **Land / real property due diligence**
- **Detailed transmission planning studies**
- **TIP Business Plan submission**
- **Initiate permitting processes and environmental studies**
- **Regulatory outreach**
- **Continued stakeholder outreach**
- **Continued project refinement**

GridLiance will check in regularly with WAPA's stakeholders as the project progresses

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# Considerations / Issues for the Project

Exploring potential concerns of WAPA-DSW's customers



- **Cost and Rate Impacts**
- **Reliability and Resilience**
- **Power supply access**
- **Land Use and Permitting**
- **Other?**

GridLiance is committed to a relationship-based approach to understanding the concerns of WAPA's stakeholders



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## Contact Us

GridLiance and NEET are available to address your questions—call, email, or visit anytime

**GridLiance**  
A NEXTERA ENERGY  
TRANSMISSION COMPANY



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