

# Orme-Rudd Conductor Upgrade Project

El Mirage Rd

59th Ave



# Orme-Rudd Conductor Upgrade Project

- Scope:
  - 8.5 miles of double circuit 230kV
  - Increases capacity in support of the Sierra Estrella interconnection & load growth
- Schedule:
  - Orme construction completion March 2024
  - Rudd construction completion March 2024
  - April 2024 planned in-service date
- Unique feature:
  - First time use of composite conductor



# Benefits of Composite Conductor

- Additional line capacity
- Tower replacements not required
- Overall project cost & schedule greatly reduced vs. tower replacement
  - Composite conductor more expensive than standard conductor
  - But increased conductor costs are small vs. tower replacement
- Able to utilize existing tools and processes for construction

# Standard vs. Composite Conductor

Standard Conductor



Composite Conductor



# Orme-Rudd Conductor Upgrade Project Overview

Schedule Status	Date
Planned Go-Live	4/30/24
Forecast	5/17/24

Budget Status	Total
Overall Budget	\$11.5M
Current Forecast	\$10.1M



Risks/Issues	Accomplishments	Upcoming Activities
<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>Line #2 construction complete</li> </ul>	<ul style="list-style-type: none"> <li>Continued construction of Line #1</li> </ul>
	<ul style="list-style-type: none"> <li>Substation construction complete</li> </ul>	<ul style="list-style-type: none"> <li>Termination of conductor at Orme</li> </ul>