Rio Rico to Harshaw 138kV Transmission Line Project

OPEN HOUSE MEETING #4

NOVEMBER 17, 2022



November 2022

Purpose and Need

- Respond to a service request to serve the Hermosa Project, a mine exploration project currently in the pre-feasibility phase.
- Address service reliability for all electric customers in the San Rafael Valley, Washington Camp, and Lochiel areas of Southern Arizona.
- New, higher-voltage facilities would reduce potential reliability issues associated with inadequate voltage support.
- Provide additional capacity that could allow interconnections with future renewable energy projects while supporting economic development in the area.



Project Overview

138kV transmission line between a planned switchyard in Rio Rico and the planned Harshaw Substation.

Approximately 20-30 mile, singlecircuit 138 kV transmission line mounted on steel monopole structures.





Project Details: Example Switchyard in the TEP system





Project Details: Transmission Line

- Self-weathering steel monopoles 75-110 feet tall.
- Up to 100-foot-wide right-of-way when not in road right-of-way.







Line Siting – Revised Links





Routing Criteria

UNSE analyzes specific criteria in developing and selecting alternative routes.

These criteria include:

- 1. Total environment (fish, wildlife, plants)
- 2. Existing state, local government, and private development plans including residential use
- 3. Noise
- 4. Recreational impacts
- 5. Scenic areas, historic sites & structures, archaeological sites
- 6. Interference with communication facilities
- 7. Technical aspects
- 8. Cost
- 9. Other applicable federal and state laws



Criteria 1 – Existing Plans



Criteria 2 – Biological Resources



Criteria 3 – Noise & Communication

Criteria 4 – Scenic & Cultural Resources

Criteria 5 – Total Environment

Criteria 6 – Construction & Maintenance

Criteria 7 – Outreach

Composite Suitability Models

Criteria models are weighted differently based on model and added together.

Public/Stakeholder Outreach Preferred Model

Next Steps

- Nov. 2022 Outreach on Revised Links
- Jan. 2023 Preferred Route and Alternatives Routes
- March 3, 2023 File Application for CEC
- April 17-21, 2023 Line Siting Hearing
- May/June 2023 ACC Approval of CEC

More Project Information

For more project information please visit the project webpage:

https://www.uesaz.com/rio-rico-to-harshaw/

Here, you will find:

- Project details including the project newsletter
- A print copy and of this presentation
- Commonly asked questions & answers
- Interactive survey link

How to Comment

- Mail a comment form or a letter to: UniSource Energy Services ATTN: Rio Rico-Harshaw PO Box 711 Tucson, AZ 85702
- Send comments to <u>RR2Harshaw@uesaz.com</u>
- Visit uesaz.com/rio-rico-to-harshaw and fill out an online comment form or use the Interactive Survey to provide further input
- Call 1-833-783-0396 and leave a voicemail message in English
- Deje un mensaje al 1-833-783-0396 y le regresaran su llamada

