

Rio Rico to Harshaw 138kV Transmission Line Project

OPEN HOUSE MEETING #3

AUGUST 25, 2022



August 2022

Agenda

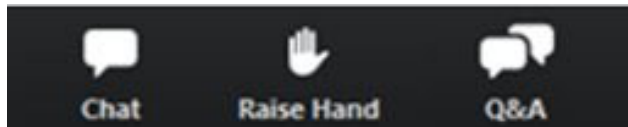
- Introductions
- Purpose and Need
- USFS Application Process
- Line Siting Process
- Revised Links & Project Description
- Preliminary Route Links
- Routing Criteria
- Project Details: Switchyard
- Project Details: Transmission Line
- Schedule
- More Information
- How to Comment
- Questions

Rio Rico to Harshaw 138kV Transmission Line Project

Asking Questions and Submitting Comments

- Asking a WRITTEN question:

- Click the “Q&A” button
- Type your question
- Select “send”
- Moderator will facilitate answering questions at the end of the presentation



- Asking a VERBAL question:

- Raise your hand using “Raise Hand” button or *9 from the phone
- Moderator will call your name if submitted online or call out your last 4 digits of phone number
- Unmute your microphone by clicking the unmute button (online) or by pressing *6 (phone) to ask your question
- Verbal comments will be limited to two minutes



Purpose and Need

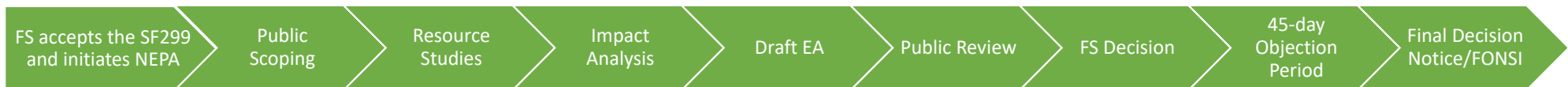
- Respond to a service request to serve the Hermosa Project, a mine exploration project currently in the pre-feasibility phase.
- Address service reliability for all electric customers in the San Rafael Valley, Washington Camp, and Lochiel areas of Southern Arizona.
- New, higher-voltage facilities would 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.

USFS Application Process

1. Special Use Permit

2. National Environmental Policy Act (NEPA) Analysis

- Public Involvement (Scoping, DEA Review, Objection Period)
- Description of Proposed Action and Alternatives
- Disclosure of the Effects

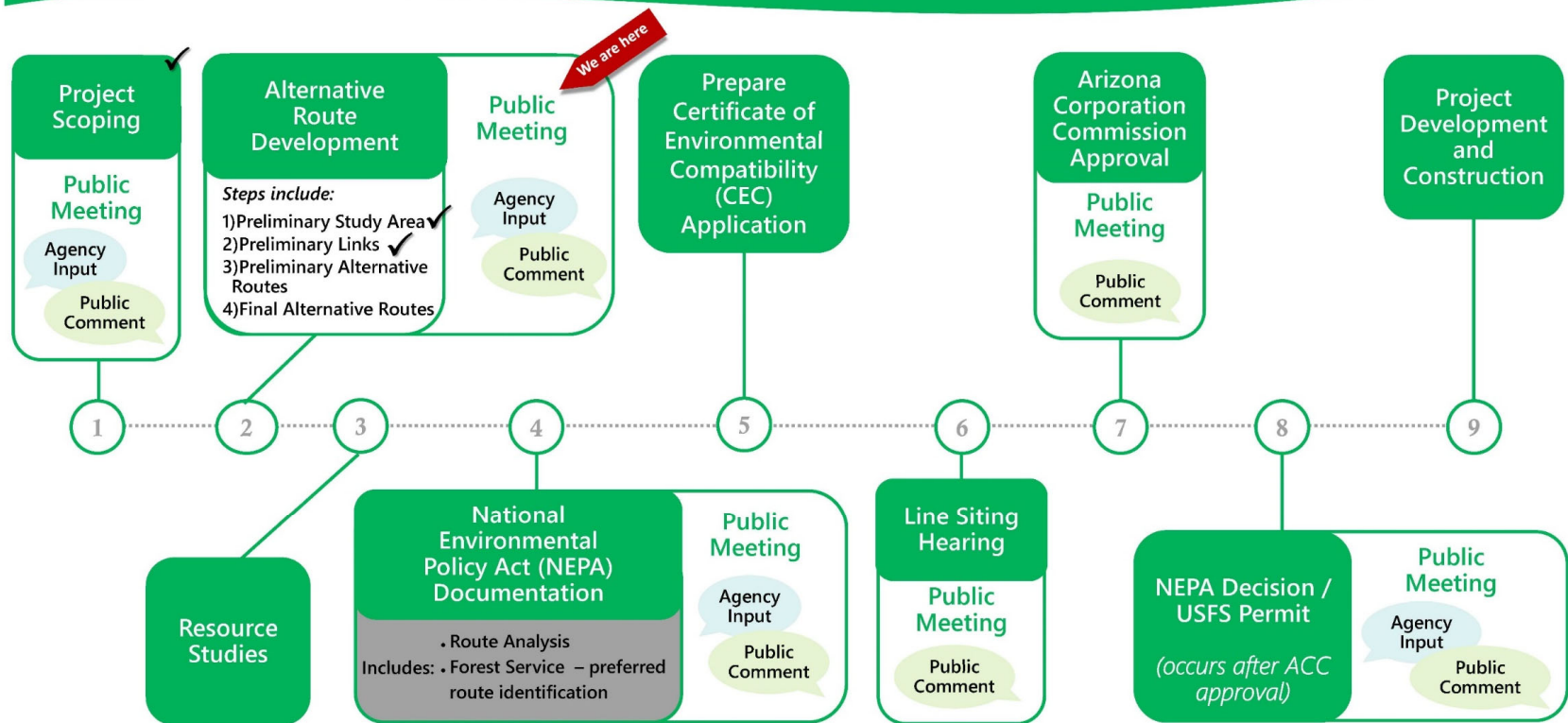


Line Siting Process

- UniSource's Line Siting Process
 - Determine routes through public outreach and environmental evaluation
- Arizona Corporation Commission Certificate of Environmental Compatibility
 - State required analysis to confirm route with most public benefit and least environmental impact

Rio Rico to Harshaw 138kV Transmission Line Project

UniSourceEnergy
SERVICES

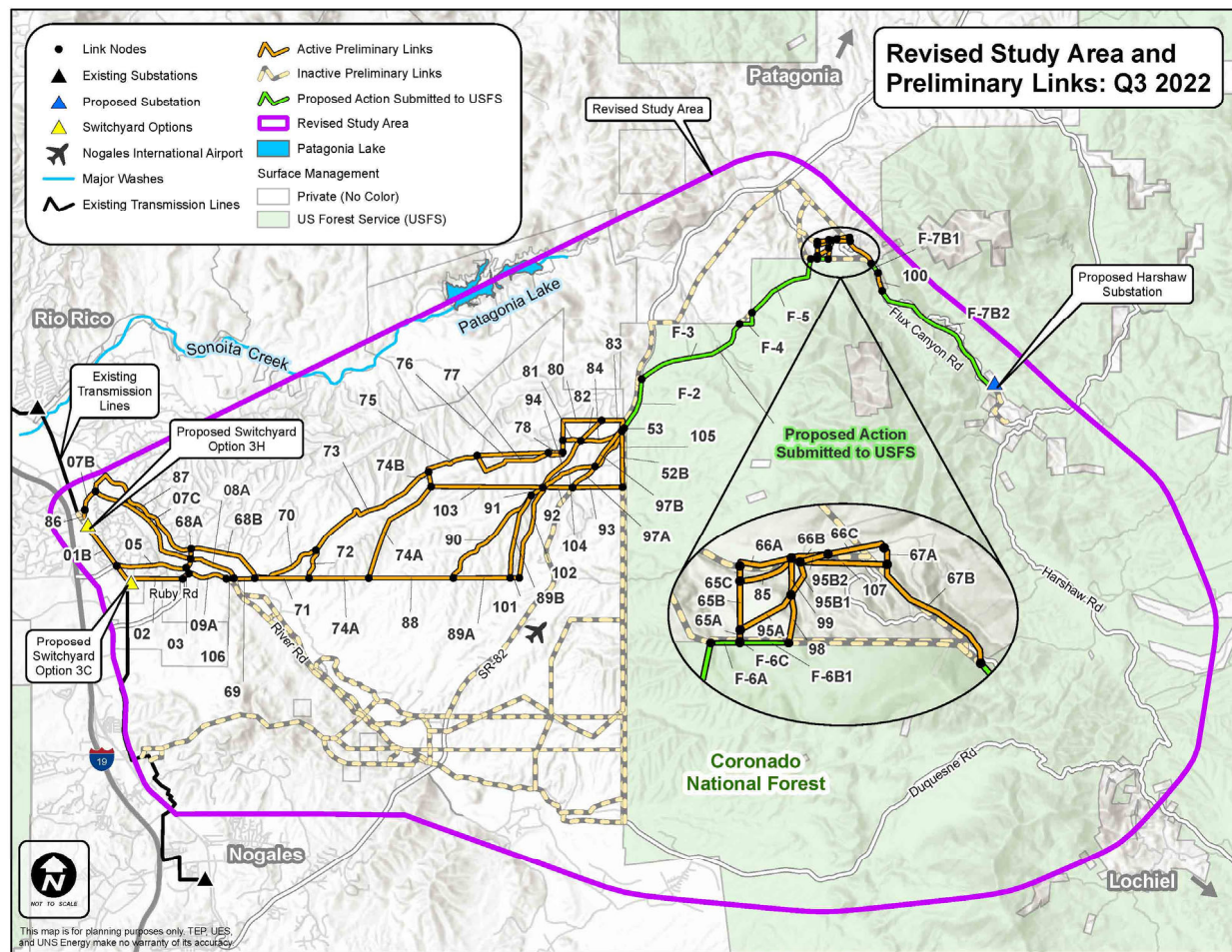


Revised Links & Project Description

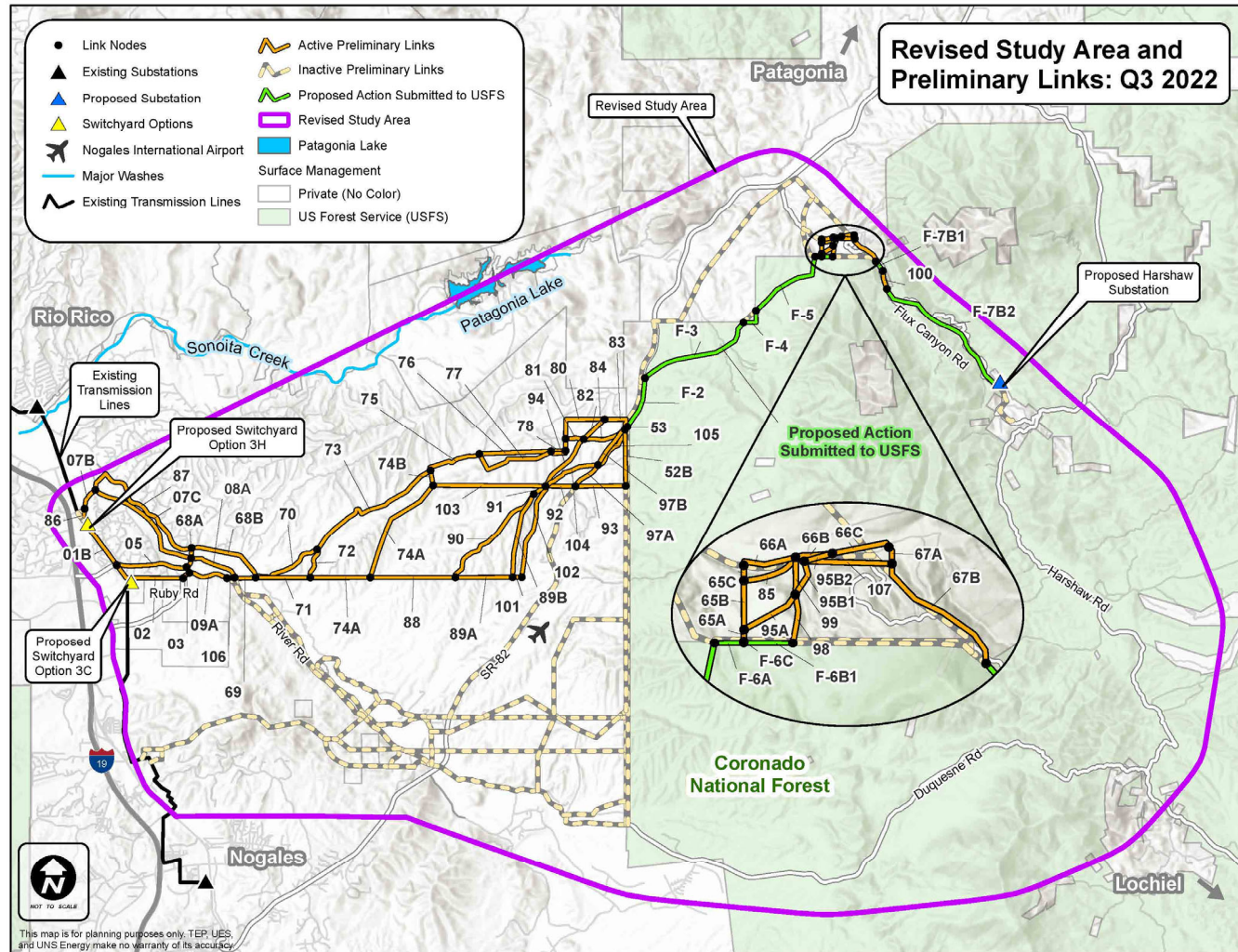
Additional links included for consideration as a result of public outreach and airport airspace requirements.

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

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



Preliminary Route Links



Routing Criteria

In addition to the design considerations on the previous slide, UNSE also analyzes specific criteria in developing and selecting alternative routes. These criteria include:

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

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.



Schedule

- Q3 2020-Q2 2021: Outreach, Preliminary studies, Preliminary route development
- Q2 2021-Q4 2022: Outreach, Environmental Analysis/Documentation, Links Development, Alternative Route Development
- Q1-2 2023: ACC CEC Application, Line Siting Hearing (Apr 2023)
- Q3 2023: ACC Decision
- Q3 2023-Q4 2023: Engineering design, Right-of-Way acquisition, Permitting
- Q4 2023: USFS NEPA Determination
- Q1 2024-Q4 2024: Construction
- December 2024: Project In-service Date

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 recording of this presentation
- Commonly asked questions & answers

In future, you will find:

- Resource studies and analyses
- Public and stakeholder comments and UES responses

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 RR2Harshaw@uesaz.com
- Visit uesaz.com/rio-rico-to-harshaw and fill out an online comment form
- 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

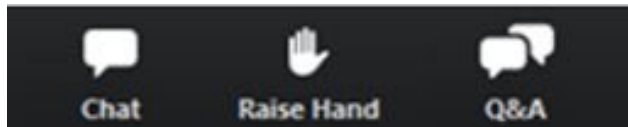
Questions?

Rio Rico to Harshaw 138kV Transmission Line Project

Asking Questions and Submitting Comments

- Asking a WRITTEN question:

- Click the “Q&A” button
- Type your question
- Select “send”
- Moderator will facilitate answering questions at the end of the presentation



- Asking a VERBAL question:

- Raise your hand using “Raise Hand” button or *9 from the phone
- Moderator will call your name if submitted online or call out your last 4 digits of phone number
- Unmute your microphone by clicking the unmute button (online) or by pressing *6 (phone) to ask your question
- Verbal comments will be limited to two minutes



Questions?

**The team is standing by for
additional questions**