

Comment Method:**Comment Date****Support Project****Alternative Preferred****Category**

Business Owner in Study Area

Concerns Topics

Other, Environment

Heard About

Newsletter Mailing

Issues/Phone Message/Comments

As long as the project follows existing routes and does not damage environment, gives jobs to the suffering community and does not leave our residents hoping for some economic relief I have no issues. Prep for the future- don't need another TEXAS.

Additional Info

I'm a retired phone company employee and have worked side by side with line crews, engineers and gas crews. I have an eye for the future and am familiar with preventive and future development of services.

Requested Info

Environmental, Indian sacred grounds, and waterways that might be impacted.

No response required**Response Notes:**

Comment Method:

Comment Date

Support Project

Alternative Preferred

Category

Resident in Study Area

Concerns Topics

Other

Heard About

Newsletter Mailing

Issues/Phone Message/Comments

La entrada a Ruby Rd. es una entrada muy congestionada, sea mas deficiel el trafico. (The entrance to Ruby Rd is very congested. Traffic will be more difficult.)

Additional Info

Requested Info

In preparation

Response Notes:

Comment Method:Comment DateSupport Project Alternative PreferredCategoryConcerns TopicsHeard AboutIssues/Phone Message/Comments

No se que contestar. Pido mil disculpa tengo 89 años por eso no quiero echar mentiras. Pues tengo mi hija de 63 años pero no esta bien. (I don't know what to answer. I apologize a thousand time. I am 89 years old and I don't want to lie. I have a 63 year old daughter, but she is not well.)

Additional Info

Pues no se que contestar. (I don't know what to answer.)

Requested Info

Pues lo que hagan esta bien por mi. (What they are doing is fine for me.)

No response requiredResponse Notes:

Comment Method: Comment Form**Comment Date****Support Project****Alternative Preferred****Category**

Resident in Study Area, Live/Work
near Study Area

Concerns Topics**Heard About**

Newsletter Mailing

Issues/Phone Message/Comments

El proyecto de linea o lineas de transmission son de sumo interes que deben verificar el terreno y situacion de negocios y transito de transporte vial y peatonal en el mismo. Por lo demas todos debemos confiar en que ustedes y los ingenieros que trabajn en el mismo. (The line project or transmission lines are of great interest. They should verfiy the land and location of busineses and transit of vehicle and pedestrian traffic, furthermore, we should be able to trust you all and the engineers that are working on it.)

Additional Info**Requested Info**

**Unable to send
response**

Response Notes:

Comment Method: Comment Form**Comment Date****Support Project****Alternative Preferred****Category**

Resident in Study Area

Concerns Topics**Heard About**

Newsletter Mailing

Issues/Phone Message/Comments

La unica preocupacion es que ocurran apagones de noche, porque al dormir necesito maquina respiradora por tener apnea de sueño. (The only worry is that power outages will happen at night. Because I need a respirator machine to sleep for my sleep apnea.)

Additional Info

Ninguna. Solo buen servicio. 7/12 (None. Only good service. 7/12)

Requested Info

Posibles, transformadores auxiliares para tiempos de "apagones" (Possibly, auxiliary transformers for power outages.)

Unable to send response**Response Notes:**

Comment Method: Comment Form**Comment Date****Support Project****Alternative Preferred****Category**

Resident in Study Area

Concerns TopicsHealth, Appearance,
Location, Other, Historic,
Environment**Heard About**

Word of Mouth

Issues/Phone Message/Comments

The values of my properties will drop due to eye sore. Health risk to me and my family "3 grandchildren live here" Due to the 138 kilovolt electro magnetic fields. My view of the Patagonia Mountains will be obstructed by the poles and conductors. The endangered Grey Hawk lives here.

Additional Info

Relocation of graves on an existing 1800's cemetery. Violation of the State Highway Scenic Corridor. My house sits on a hill so the proposed 138kV line would be in view from my front window. Health of my farm animals. I am not willing to sign for any R/W.

Requested Info

I would like to see more details on our proposed routes. Your Map is very cluttered. The diameter of the proposed poles.

In preparation**Response Notes:**

Comment Method: Comment Form

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category Resident in Study Area

Concerns Topics Health, Location

Heard About Other

Issues/Phone Message/Comments

Health and safety

Additional Info

Do not use #05 (Ruby Rd). These lines should be put away from homes. There are plenty of areas that do not have homes nearby where you can put these lines.

Requested Info

Electronic and magnetic fields

Response Notes:

Comment Method: Comment Form

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category Resident in Study Area

Concerns Topics Location

Heard About Newsletter Mailing

Issues/Phone Message/Comments

We are against the transmission line being built along Sonoita Creek Ranch Rd. Please use another route.

Additional Info

Requested Info

Response Notes:

Comment Method: Comment Form

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category Resident in Study Area, Live/Work
near Study Area

Concerns Topics Location

Heard About Newsletter Mailing

Issues/Phone Message/Comments

We do not want high voltage transmission lines in our backyard over our corrals, barn and garden.

Additional Info

I believe that line from Rio Rico to Soldier Basin to Harshaw is the best alternative.

Requested Info

Response Notes:

Comment Method: Comment Form

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category Resident in Study Area

Concerns Topics Health, Appearance,
Location, Other

Heard About Newsletter Mailing

Issues/Phone Message/Comments

Route through Flux Canyon area is invasive: eyesore, health, property values, quality of life, stress. In particular F-6BI through NFS is within 20' of our house. The line does not benefit us.

Additional Info

Impacts on residents

Requested Info

Response Notes:

Comment Method: WuFoo/Online**Comment Date** 9/8/2020**Support Project** **Alternative Preferred****Category** Resident in Study Area, Live/Work
near Study Area**Concerns Topics****Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

This upgrade is sorely needed. The wood power lines are old and service is unpredictable during wind or rain. Monopoles and renewable energy sources are a sign from a forward looking energy company whose customers are working and learning from home and require dependable energy to power our computers, etc.. Bring it on!

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your comment and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

Comment Method: WuFoo/Online

Comment Date 9/15/2020 **Support Project** **Alternative Preferred**

Category Resident in Study Area, Business **Concerns Topics** Cost
 Owner in Study Area, Live/Work near
 Study Area

Heard About Project Website, Newsletter Mailing,
 Public Meeting, Word of Mouth

Issues/Phone Message/Comments

What is the estimated cost of this project? How will it be paid for?

Additional Info

Requested Info

Response sent

Response Notes:

Thank you for your feedback regarding UNSE’s proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

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The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/15/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area, Special Interest Group**Concerns Topics** Cost, Location, Other**Heard About** Word of Mouth**Issues/Phone Message/Comments**

The degradation of this whole area, from mining in general, power lines, roadbuilding, etc., is a huge concern for us. We are half-year residents of Patagonia and hunt, hike, and horseback ride in Harshaw area.

Who will pay for the power line and how much will it cost?

Will Flux Canyon Road be further developed to accommodate this line?

Additional Info

The specific plans for placement of the power line.
When the public will be able to comment on these plans.

Requested Info**Response sent****Response Notes:**

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UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment. The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/15/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Cost, Other, Environment**Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

What impact will this have on the wildlife and plants in the area? What kind of traffic will be involved?
How will this be paid for?

Additional Info**Requested Info****Response sent****Response Notes:**

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The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/15/2020**Support Project** **Alternative Preferred****Category** Resident in Study Area**Concerns Topics** Other, Environment**Heard About** Newsletter Mailing, Word of Mouth**Issues/Phone Message/Comments**

1. Protection of water (aquifer & surface)
2. Protection of wildlife, especially threatened & endangered species
3. Preservation of the environment
4. Respect for the local community
5. Transparency in public communication

Don't destroy the environment!

Respect the human beings & wildlife who live here!

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

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Comment Method: WuFoo/Online

Comment Date 9/15/2020 **Support Project** **Alternative Preferred**

Category Resident in Study Area, Live/Work near Study Area **Concerns Topics** Cost, Location, Other, Environment

Heard About Other

Issues/Phone Message/Comments

How much will the transmission lines cost?
 Who is expected to pay for them?
 How will their installation affect Flux Canyon Rd? Does the plan include upgrading the road?
 Where, exactly are the lines proposed to go?
 What sort of environmental impact analyses of their installation have been done so far?

Additional Info

Requested Info

Response sent

Response Notes:

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At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

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The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/16/2020**Support Project** **Alternative Preferred****Category** Other Interested Party**Concerns Topics** Cost, Other**Heard About** Word of Mouth**Issues/Phone Message/Comments**

What is the cost of this project?

Who is going to pay for this project?

Does the plan include upgrading Flux Canyon rd?

If so, what are the plans for this?

How will this project affect supplies to Washington Camp & Duquesne?

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

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The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/18/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Cost, Other, Underground, Environment**Heard About** Other**Issues/Phone Message/Comments**

Above ground power lines are by now a major source endangering life and property. The economic value of new power lines needs to be considered in terms of the cost of damage power lines can inflict or indirectly, the cost of new mines to the environment. UniSource should become transparent on what new power lines means to "the People", not just a few mining stakeholders, and initiate a Referendum so people have a direct vote for or against. Please note the link below but I hope you are aware already about the situation the West is in today....
<https://apnews.com/d2c2ea5bcee64a08a52dc06bb4da4337>

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

As transmission operators, UNSE is required to follow federal regulatory guidelines and maintain an active vegetation management program in order to minimize potential fire dangers. Throughout the year, we ensure that vegetation does not encroach on transmission line routes. We inspect about 20 percent of our transmission lines every year from the ground in order to ensure that there is no encroachment by plants onto transmission lines. UNSE designs transmission lines to maintain NESC clearances from existing structures, such as homes, street lights, trees, etc.

Comment Method: WuFoo/Online**Comment Date** 9/23/2020**Support Project** **Alternative Preferred****Category** Resident in Study Area, Business
Owner in Study Area, Special Interest
Group**Concerns Topics** Health, Cost, Location,
Environment**Heard About** Public Meeting**Issues/Phone Message/Comments**

I live on flux canyon road. Will this road be affected by the proposed line? This is a small endangered canyon with abundant wild life and narrow blind curves. It should not be used for mining interests. Where exactly will the line be? I live here, right here, where the line will pass? Are there health issues that this may cause? This is a project without any value to local residents. Wildlife will be devastated. Our water supply is already in trouble. My water comes from flux and alum canyons. The cost, both in dollars and in environmental damage, of this proposed project. Who pays what?

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

Electric and magnetic fields (EMFs) are part of our everyday environment. They are emitted by power lines and other electrically powered appliances that light, cool and heat our homes, provide our communications and entertainment, and support many aspects of our modern lifestyle. The term "EMF" describes two invisible forces, electric fields and magnetic fields that surround any electrical device. Both types of fields weaken significantly as they extend further away from the source.

The EMFs associated with power lines and electrical devices are much weaker than those associated with other sources such as microwaves or radio waves; they are considered "extremely low frequency" fields at 60 Hertz (Hz). These EMFs, at the low end of the electromagnetic spectrum, are described as "non-ionizing" because they are not known to damage DNA or cells directly. According to the large body of peer-reviewed research, there are no confirmed health risks caused by exposure to low-level EMFs. To learn more, visit: <https://www.UNSE.com/electric-and-magnetic-fields/>. UNSE will complete EMF studies of the alternatives (up to three) carried forward in its application for a Certificate of Environmental Compatibility to be filed with the Arizona Corporation Commission. This study will be available on the project webpage prior to filing the application.

UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd

Comment Method: WuFoo/Online

party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment. The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

Comment Method: WuFoo/Online**Comment Date** 9/24/2020**Support Project** **Alternative Preferred****Category** Resident in Study Area, Business
Owner in Study Area**Concerns Topics** Cost, Location, Other**Heard About** Word of Mouth**Issues/Phone Message/Comments**

What is the cost of this project?
 Who will pay for the project?
 What road improvements are planned for Flux Canyon Road?
 Where precisely will the proposed substations be located?

Additional Info

I will participate in the ACC process and in the Forest Service NEPA process. This proposed project is an example of corporate welfare: we the people pay for a benefit for corporate profits. The residential property owners could receive improved reliability without the installation of a transmission line whose sole purpose is to provide power to a corporate operation.

Requested Info

Please add me to the mailing list of any future newsletter mailings. I did not receive this through the mailing. How did you choose recipients?

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

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Comment Method: WuFoo/Online**Comment Date** 9/24/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Cost**Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

How would a project like this be funded? Are current Unisource customers paying for this project, or might they pay for it in the future ? What is the cost of this project?

Additional Info**Requested Info**

Response sent**Response Notes:**

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Comment Method: WuFoo/Online**Comment Date** 9/24/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Cost, Appearance, Location**Heard About****Issues/Phone Message/Comments**

I totally oppose this project to run a power line through this unspoiled scenic area to the purpose of providing power to one commercial enterprise that should not go forward in the first place. Who is paying for this power line? Why don't you run these lines in your back yard and see how the community feels about it? All stakeholders should be considered, not just one corporation. The community should come first.

Additional Info**Requested Info****Response sent****Response Notes:**

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Comment Method: WuFoo/Online

Comment Date 9/24/2020

Support Project

Alternative Preferred

Category Live/Work near Study Area

Concerns Topics

Heard About Newsletter Mailing

Issues/Phone Message/Comments

No comment provided.

Additional Info

Requested Info

No response required

Response Notes:

Comment Method: WuFoo/Online

Comment Date 9/24/2020

Support Project **Alternative Preferred**

Category Resident in Study Area

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Is there a possibility of this project needing to purchase right of way from private property?

Additional Info

Requested Info

Response sent

Response Notes:

Response notes attached to previous comment card.

Comment Method: WuFoo/Online**Comment Date** 10/6/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Cost, Appearance, Other, Environment**Heard About** Project Website, Public Meeting**Issues/Phone Message/Comments**

Just don't do it. Who is paying for the study?

This UGLY eyesore in the center of one of the greatest bio-diverse regions in the world?

"Doesn't decrease property values?" What study was done on this? This is simply not true.

OK. We can go along with this as long as EVERY member of your Board agrees to have one pole set up within 1/4 mile of their residence.

Come on folks, don't pave paradise to put up a power pole so that these Aussies can rip out our minerals and sell them to China.

This is not silly. It is stupid and short sighted.

Additional Info**Requested Info****Response sent****Response Notes:**

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Comment Method: WuFoo/Online

<u>Comment Date</u>	10/18/2020	<u>Support Project</u>	<input type="checkbox"/>	<u>Alternative Preferred</u>
<u>Category</u>	Resident in Study Area	<u>Concerns Topics</u>	Cost, Appearance, Other, Underground, Historic, Environment	
<u>Heard About</u>	Project Website, Newsletter Mailing, Public Meeting			

Issues/Phone Message/Comments

Protecting unique wildlife habitat
 Fire risk
 Character of landscape and scenic views
 Cultural history and values

Additional Info

1. Recent, high-quality evidence concerning fire risk associated with new transmission and distribution lines, taking into account information on vegetation types and severe weather events in study area (wind and lightning)
2. Detailed analysis of relative costs and benefits to South32, versus the approximately 3000 individuals who are described as suffering from occasional service outages at present. Why isn't the primary user (South32) bearing the percentage of the new line's cost that is proportional to its benefit?
3. Undergrounding the proposed line
4. Plans for decommissioning the line when South32 terminates mining operations in the area
5. To what extent has the potential for adding capacity to existing infrastructure been explored, and what are the costs and benefits?
6. To what extent have clearance estimates taken the impact of frequent high winds and lightning strikes in the area into account?
7. How, and how much, monitoring is planned to ensure that sparking, downed lines, etc. do not result in fires?
8. Who will be financially responsible for any fires linked to the project? (during and after construction)

Requested Info**Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

The Rio Rico-Harshaw 138kV transmission line will serve the Hermosa Mine Project owned by Arizona Minerals Inc. (AMI). AMI will be responsible for the development costs associated with the construction of the transmission line. UNSE customers in the San Rafael Valley, Washington Camp and Lochiel areas will see improved service reliability with no rate increases related to this project.

UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application

Comment Method: WuFoo/Online

for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment. As transmission operators, UNSE is required to follow federal regulatory guidelines and maintain an active vegetation management program in order to minimize potential fire dangers. Throughout the year, we ensure that vegetation does not encroach on transmission line routes. We inspect about 20 percent of our transmission lines every year from the ground in order to ensure that there is no encroachment by plants onto transmission lines. UNSE designs transmission lines to maintain NESC clearances from existing structures, such as homes, street lights and trees. By using steel monopoles throughout the line rather than wood poles, UNSE can reduce the chance of wildfire by removing combustible material and allow for greater distance between the conductor wire and the ground. Additionally, optical ground wire will be placed at the topmost position of the transmission line where it shields the conductor wire from lightning while providing internal telecommunications for real time monitoring of the system.

<https://www.UNSE.com/vegetation-management/>

UNSE owns and operates 2,500 circuit-miles of overhead transmission lines, 2,600 circuit-miles of overhead distribution lines and about 4,300 cable-miles of underground distribution lines that deliver electricity to local homes and businesses.

All of UNSE's high-voltage transmission lines, which UNSE uses to transmit electric service from the Tucson area, are overhead. Although underground transmission lines are favored in some communities for aesthetic reasons, they also are more expensive to install, maintain, and repair. Recent underground studies suggest that the cost to underground a transmission line of this voltage is approximately 11-15 times the cost to install the line overhead; additionally, an underground transmission line has a higher annual maintenance cost.

Comment Method: WuFoo/Online**Comment Date** 4/26/2021**Support Project** **Alternative Preferred****Category****Concerns Topics** Health**Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

My wife can't live near high power lines, she has a pacemaker.

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

Electric and magnetic fields (EMFs) are part of our everyday environment. They are emitted by power lines and other electrically powered appliances that light, cool and heat our homes, provide our communications and entertainment, and support many aspects of our modern lifestyle. The term "EMF" describes two invisible forces, electric fields and magnetic fields that surround any electrical device. Both types of fields weaken significantly as they extend further away from the source.

The EMFs associated with power lines and electrical devices are much weaker than those associated with other sources such as microwaves or radio waves; they are considered "extremely low frequency" fields at 60 Hertz (Hz). These EMFs, at the low end of the electromagnetic spectrum, are described as "non-ionizing" because they are not known to damage DNA or cells directly. According to the large body of peer-reviewed research, there are no confirmed health risks caused by exposure to low-level EMFs. To learn more, visit: <https://www.UNSE.com/electric-and-magnetic-fields/>. UNSE will complete EMF studies of the alternatives (up to three) carried forward in its application for a Certificate of Environmental Compatibility to be filed with the Arizona Corporation Commission. This study will be available on the project webpage prior to filing the application.

Comment Method: WuFoo/Online**Comment Date** 5/15/2021**Support Project** **Alternative Preferred****Category** Resident in Study Area, Business
Owner in Study Area, Live/Work near
Study Area, Special Interest Group,
Other Interested Party**Concerns Topics** Other**Heard About** Project Website, Word of Mouth**Issues/Phone Message/Comments**

Please remind Roberto and advise the members of the route selection committee that there are only a few people/families that own most of the vacant land in the study area and they have been working cooperatively to plan for and attract the additional industry that is urgently needed in the area between the Santa Cruz River and the Coronado National Forest. Including for a bi-national industrial park, new border crossing, development near the airport and the long-standing need for rail and interstate highway bypasses on the East side of Ambos Nogales.

Additional Info

That planning now needs to be coordinated with this planning. So the future power needs and supply can and will be available and possibly also for the related industrial growth in Sonora and more specifically on the 20,000 acres directly South of the Buena Vista Ranch. The people most familiar with this planning are myself, Mariposa Properties in Nogales and the owners of the Buena Vista Ranch land and is coordinating this planning with the Mexican land owners and State and Federal Government authorities.

Requested Info

Working cooperatively to explore the possibility that this routing and the required right-of-way(s) could be combined with those that will be required for the rail and highway by-passes South from Rio Rico to the border and beyond and for which considerable planning has already been done both as above and by the State of Sonora many years ago.

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission. We would like to suggest setting up a developer stakeholder meeting in the near future to better understand the needs and plans in the area and ensure a route in support of these is developed for the Line Siting Committee's consideration.

Comment Method: WuFoo/Online**Comment Date** 9/9/2022**Support Project** **Alternative Preferred****Category** Resident in Study Area**Concerns Topics** Health, Other**Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

I attended the Aug 25 2022 meeting remotely, and would like an update on when the transcript, and more importantly the detailed map and additional simulations you showed, will be made available to the public. I visited the ESRI site (I believe they created the detailed map) but it requires a password. This is my third formal request for a map with sufficient resolution to actually be informative to those of us who live in the study area.

Additional Info

The document you provide concerning the impact on property values is extremely one-sided, and the statistical analyses it reports are nonsensical. There are many more published analyses that could provide a more balanced view (e.g., Von Winterfeldt et al., Delaney & Timmons).

Also, please note that the "the absence of evidence" is NOT "evidence of absence." There are numerous reports, including from the sites you list, that indicate insufficient evidence to draw conclusions about impacts of ELF exposure on most aspects of human health, and some evidence that ELF exposure increases the risk of childhood leukemia (see IARC Monograph 2002 V 80).

Requested Info

When you will make the interactive map you promised at the meeting, and simulations in the study area near Lake Patagonia estates, available to the public?

No response required**Response Notes:**

Making a statement and not asking for additional information on these topics, merely letting us know they think our sources are biased. No additional comment is required.

Comment Method: WuFoo/Online

Comment Date 9/10/2022

Support Project **Alternative Preferred**

Category Resident in Study Area, Other Interested Party

Concerns Topics Appearance, Other, Environment

Heard About Newsletter Mailing

Issues/Phone Message/Comments

This will greatly decrease our property values and mar a beautiful landscape.

Additional Info

I am disturbed by the amount of water that this mine will use and the environmental damage that will follow.

Requested Info

Response Notes:

Comment Method: WuFoo/Online**Comment Date** 9/13/2022**Support Project** **Alternative Preferred****Category** Resident in Study Area, Live/Work
near Study Area, Special Interest
Group**Concerns Topics** Other, Environment**Heard About** Other**Issues/Phone Message/Comments**

I have several concerns.

one I am in the study zone and have not been notified about any projects. I have attended the first meeting in 2021 via zoom and followed the meeting instructions to be put on the mailing notification list and have NEVER been notified.

Please add me.

the company selected for the Environmental Impact Study has the wrong goals and should be dismissed, for the following reasons;

their goal stated on their website is:specialized and challenging projects primarily serving the mining industry in Nevada, and throughout the west.

Utility and mining companies

We combine best practices with innovative approaches in a collaborative working dynamic that delivers the best possible outcomes for our clients.

Their goal should be to identify the impacts and come up with solutions.

Environmental Company hired to do the study. A study that DOES NOT include

Species specific studies

No migratory studies for birds

No plant species studies

Not in the field, done from a desk in an office not from here with no knowledge of local life.

This company should be dismissed.

I am writing all of this to the Arizona

<https://www.epa.gov/aboutepa/forms/contact-epa>

Certificate of Environmental Compatibility (CEC) from the Arizona Corporation Commission (ACC) before constructing the transmission line.

UNSE expects to file a CEC application in 2023 with the Arizona Power Plant and Transmission Line Siting Committee (Line Siting Committee),

<http://webuat.azcc.gov/arizona-power-plant/line-siting-committee>

https://eweb.irwaonline.org/eweb/upload/web_sepoct_2016_Translines.pdf

this project has been rejected by the Department of Forestry and our land is in connection with the Coronado National forest and we share the same flora and fauna. and this proposed study does not include species specific studies..

I have worked with other companies in their right to develop and there is a right way to do this and this is the wrong way.

I appose this project in its current form.

Additional Info

Comment Method: WuFoo/Online

I want to be on the notification email and mail please

Requested Info

I would like ALL correspondence and a copy of the EIR. sent to my home address

Response Notes:

Comment Method: Voicemail/Toll-Free

Comment Date 9/11/2020

Support Project

Alternative Preferred

Category

Concerns Topics

Heard About

Issues/Phone Message/Comments

No comment given.

Additional Info

Requested Info

No response required

Response Notes:

Returned call for comment. Received number not in service response.

Comment Method: Voicemail/Toll-Free**Comment Date** 5/3/2021**Support Project** **Alternative Preferred****Category** Resident in Study Area**Concerns Topics****Heard About** Newsletter Mailing**Issues/Phone Message/Comments**

Me acabo de llegar una hoja de que es de los recibos de la luz y quería saber sobre de qué se trata esto? Nosotros vivimos en Nogales Arizona. A page just arived in the mail like the ones with my light bill. I wanted to know what it is about. We live in Nogales Arizona.

Additional Info**Requested Info**

Response sent**Response Notes:**

Communicated the Rio Rico-Harshaw Tranmission Line Project, and the advertiesement for the virtual open house on May 13. Resident in Nogales and didn't know why they received it if the project was so far away. Let them know that the everyone within a certain radius of the study area received the same newsletter in order to inform interested residents. They did not want any more information.

Comment Method: Voicemail/Toll-Free

Comment Date 8/9/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Called asking where their property was in relation to the links in the map. They weren't able to tell easily where they lived on the map.

Additional Info

Requested Info

Response sent

Response Notes:

I requested the address, located the home on the map and was able to tell them that they are roughly 2/3 mile south of the southernmost link (9A). I told them about the public meeting on the 25th and they said they would be there.

Comment Method: Voicemail/Toll-Free

Comment Date 8/10/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Confused by the numbers on the map. Would like a key for what all the numbers mean.

Additional Info

Requested Info

Response sent

Response Notes:

Let her know that they are link numbers used for tracking purposes. Requested a call back to help answer anymore questions regarding those numbers and what they mean.

Comment Method: Voicemail/Toll-Free

Comment Date 8/10/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Want to learn more about the project.

Additional Info

Want to know where my property is in relation the line.

Requested Info

What is the line for? How can I listen to the meeting on August 25?

Response sent

Response Notes:

Received the parcel number and I was able to explain that the property was more than 5 miles from the closest potential link. I explained that the Harshaw mine has requested power and we are constructing the transmission line to provide power to the mine. I explained that public can call in using a phone number provided in the newsletter or go to the project website and attend the zoom meeting with the link provided.

Comment Method: Voicemail/Toll-Free

Comment Date 8/10/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Location

Heard About

Issues/Phone Message/Comments

Very concerned about the links that are all around their property. They were confused as to what the numbers meant. They asked about the difference between the active and inactive preliminary links.

Additional Info

Requested Info

Response sent

Response Notes:

I confirmed that they are link identifiers and they seemed to understand. I explained that through our analysis the links to the south of the airport were no longer viable options so we had to look for another way around the airport. I reiterated that the links on the map were only potential links that could be combined in various ways to form the transmission line route.

Comment Method: Voicemail/Toll-Free

Comment Date 8/10/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Called the Customer Service Line because when they looked on the project website there was only old information. They then asked about the distribution line south of the proposed Harshaw substation and whether or not it would be fixed.

Additional Info

Requested Info

Response sent

Response Notes:

By the time I had called them back the website had been updated and they felt better about the situation. I explained we hadn't expected the newsletters to be in mailboxes until 8/10 and that we had missed the mark in getting the website updated in time. I said that no work is planned south of the Harshaw substation.

Comment Method: Voicemail/Toll-Free

Comment Date 8/12/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

I own a few lots in Rio Rico and I would like some more information on the project and whether it concerns my property.

Additional Info

Requested Info

Response sent

Response Notes:

Call back 8/16/22 10:22AM- left voicemail & 3:47PM- left voicemail

Comment Method: Voicemail/Toll-Free

Comment Date 8/12/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

On behalf of her grandfather who received a newsletter. Would like a follow up call to find out more about the project.

Additional Info

Requested Info

Response sent

Response Notes:

Call back 8/16/22 10:20AM- left voicemail & 3:46PM- left voicemail

Comment Method: Email**Comment Date** 9/23/2020**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments****Additional Info**

I would like to be notified of all meetings and filings for the Rio Rico to Harshaw power line.

I would like to see the location for the powerLine being proposed.

I would like to know the strength of the power line being proposed, the height of the poles and their locations

Requested Info

In preparation**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

Depictions of typical structures proposed for use for the line are available at: <https://www.UNSE.com/wp-content/uploads/UNSE-Kino-DMP-Pole-Characteristics.pdf>. (Pole characteristic link on the Rio Rico to Harshaw project website is pending). The application to the Arizona Corporation Commission will include visual simulations of the poles along the routes selected for final analysis. This document will be available for public review and comment.

UNSE will assess the impacts of the project on visual resources. In the event the assessment determines that certain routes have a greater visual impact than others, then this would be accounted for in the alternatives analysis, which will compare and contrast the alternative routes under consideration.

In the meantime, similar poles can be viewed along the existing 138 kV transmission line that runs along the east side of I-19 from Palo Prado Road south to East Ruby Road.

Comment Method: Email**Comment Date** 11/29/2020**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

Lake Patagonia Ranch Property Owners Association A (LPRPOA) would like to be on your mailing list for all community communications regarding the proposed Rio Rico to Harshaw transmission line.. LPRPOA represents 172 property owners near SR 82 and Lake Patagonia Road.

Also, just a head-up, the link for making a comment is not operational.

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time no alternative routes have been identified. Residents, property owners and business owners in the study area will be notified by mail when preliminary alternative route locations have been developed, which is expected to be some time in Q3 2021.

Comment Method: Email**Comment Date** 2/26/2021**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

Per our conversation;

You were going to look into why I was not on the mailing list since my home is in the study zone, and I filled in the form on the website.

You were going to make sure I am on the list.

Send me an email invite for the next zoom meeting,

I can't remember that date.

You were going to see where the labels for the public notification came from, since I checked with the county registrars and I am listed as the owner and my address is correct.

I would like to be kept informed of proposed routes, filing of environmental reports,

Meetings, changes in proposed project, and public comment deadlines.

Additional Info**Requested Info**

Response sent**Response Notes:**

I apologize for the delay in my follow up to your questions. I was able to find out that your address was on the original mailing under the name of "H.C. Boxholder". I was not able to figure out what that means. However, you would have received the mailing that went out. Additionally, I was told that the mailing list was purchased from a private vendor.

To update you on the most recent news regarding the project, the next Virtual Open House will be held in the beginning of May (no date has been posted yet). We will be presenting link options through private lands and preferred routes through the National Forest.

Thank you for your patience and dedication to stewardship.

Comment Method: Email**Comment Date** 3/1/2021**Support Project** **Alternative Preferred****Category****Concerns Topics**Location, Other,
Environment**Heard About** Project Website**Issues/Phone Message/Comments**

I live in Patagonia, and am concerned about the proposal to put a major transmission line through the study area you have mapped in your website <https://www.uesaz.com/rio-rico-to-harshaw/>.

* When will the public be informed of the specific routes you are exploring, both within the current study area, and the "alternative routes" that are mentioned?

* The study area is a scientifically identified area of critical biodiversity. What steps are being taken to evaluate the effects of 20-30 miles of 100 foot wide interruption in pristine countryside? Who is doing the study?

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service (USFS) and the Arizona Corporation Commission (ACC).

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time UNSE has begun identifying numerous links through private land that can be combined in various ways to form preliminary routes. We will be presenting these links at the upcoming Virtual Open House expected to be held in the beginning of May. Public input on the presented links will play a key role in the development of route alternatives we present to the ACC and the USFS.

UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment.

Comment Method: Email**Comment Date** 3/1/2021**Support Project** **Alternative Preferred****Category** Live/Work near Study Area**Concerns Topics** Location**Heard About****Issues/Phone Message/Comments**

Here's some more input.

You seem to be studying a route through the Circle Z Guest Ranch and the Nature Conservatory.

You are kidding right?

Are the Aussies really making this SO attractive for you in terms of monthly utility bills?

Why not grow more sensitive to the world and less to money grubbing miners?

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service (USFS) and the Arizona Corporation Commission (ACC).

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click where it says Study Area. At this time UNSE has begun identifying numerous links through private land that can be combined in various ways to form preliminary routes. We will be presenting these links at the upcoming Virtual Open House expected to be held in the beginning of May. Public input on the presented links will play a key role in the development of route alternatives we present to the ACC and the USFS.

UniSource Energy Services is required to provide service to customers within its service territory that request electric service, pursuant to UniSource Energy Service's rules and regulations on file with the ACC.

Comment Method: Email

Comment Date 3/19/2021

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Was hoping on an update for the next meeting?
It was mentioned in our last email April or May.

Additional Info

Requested Info

Response sent

Response Notes:

We have been making the final edits to the Newsletter which is going to be mailed soon. In the Newsletter you will receive a project update and the date for the next virtual meeting.

Thank you for your continued interest in the Rio Rico to Harshaw Transmission Line Project.

Comment Method: Email

Comment Date 6/1/2021

Support Project

Alternative Preferred

Category

Concerns Topics

Heard About

Issues/Phone Message/Comments

How can I access a recording of this event? Thank you.

Additional Info

Requested Info

Response sent

Response Notes:

Thank you for your interest in the Rio Rico to Harshaw 138-kV Transmission Line Project.

A link to the 2nd Virtual Open House held on May 13, 2021 is available on the project website <https://www.uesaz.com/rio-rico-to-harshaw/> Along with a .pdf copy of the presentation and written transcripts of the Questions & Answer portion of the meeting.

Comment Method: Email**Comment Date** 2/1/2022**Support Project** **Alternative Preferred****Category** Stakeholder**Concerns Topics** Location**Heard About** Other**Issues/Phone Message/Comments**

After speaking with Mr. Waldrup (FAA), and Renee Darling with Tucson Electric Power Company (TEPC), we have made a determination. FAA recommends TEPC utilize the Eastern proposed link. If the Eastern link cannot be utilized and TEPC has to use the Western link, FAA recommends the minimum distance between the outer perimeter of the CBP site and the link tower be at least, if not more than the height of the link tower. (80'-120') This minimum distance will protect the CBP site from a possible tower fall, and protect the site from signal interference. TEPC stated that the link towers have 600' spacing. This spacing can be manipulated. FAA recommends that there be a tower placed 500' south of the CBP site and 100' North to reduce compromising CBP view shed. If there are any questions or concerns, please let me know.

Additional Info**Requested Info****Response sent****Response Notes:**

Email thread between U.S. Customs and Boarder Protection and CBP communications liason at FAA. Full thread located in Record of Conversation.

Comment Method: Email**Comment Date** 8/12/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

Thank you for soliciting queries.

The information disseminated to date, while quite extensive, is missing some critical information.

Questions:

- 1.How tall are the proposed towers/monopoles? What is the pole diameter and the proposed pole color? Will they have horizontal crossbeams their tops, and if so, how wide?
- 2.What is the spacing between the towers/poles?
- 3.How wide would be the right-of-way underneath the wires? Would it be cleared to ground level?
- 4.What is the mean height of the trees in the segments running through National Forest (specifically, the segments F-2 through F-5 and segment F-7B2)?

Many thanks in advance for providing specific quantitative answers to these questions.

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

The monopoles will range in height and width depending on the terrain and where the line will change direction. The typical height of the monopoles will be between 75'-110'. Taller poles may be necessary depending on clearance requirements such as crossing over an existing distribution line, a raised roadway, or a railroad. Pole diameter will depend on whether the structure is a dead-end structure (required at directional changes) or a tangent structure (used where line continues straight). Precise dimensions for structure diameter and cross arm length will be determined during engineering design. The monopoles will be self-weathering steel structures, which are a brown rust color. Similar poles can be viewed along the existing 138 kV transmission line that runs along the east side of I-19 from Palo Prado Road south to East Ruby Road.

Spacing between structures will vary depending on the terrain. We hope to have more information available at our next public meeting.

Comment Method: Email

There will be up to a 100' right-of-way (ROW) when the transmission line is outside of a road ROW. As transmission operators, UNSE is required to follow federal regulatory guidelines and maintain an active vegetation management program in order to minimize potential fire dangers. Throughout the year, we ensure that vegetation does not encroach on transmission line routes. We inspect about 20 percent of our transmission lines every year from the ground in order to ensure that there is no encroachment by plants onto transmission lines. UNSE designs transmission lines to maintain NESC clearances from existing structures, such as homes, streetlights and trees. By using steel monopoles throughout the line rather than wood poles, UNSE can reduce the chance of wildfire by removing combustible material and allow for greater distance between the conductor wire and the ground.

We do not have mean tree height data for the Coronado National Forest.

Comment Method: Email**Comment Date** 8/13/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

We received the mailing with the map and preliminary links yesterday. Please explain how we can identify and locate the numbered links - this map is so general that it is impossible for stakeholders to interpret or make comments. (The so-called high resolution .pdf on your website is identical to the mailing.) Please send additional details on the map as soon as possible, so that we can prepare to participate virtually in the Aug 25 meeting.

Thank you, and thanks in advance for letting me know that you received this message.

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

Due to size limitations of the printed newsletter only so much detail could be added to the map before it became too cluttered and illegible. Unfortunately, we don't have any higher definition materials to send to the public at this time. We will have our GIS map available to answer questions during the Q&A portion of the virtual meeting.

Comment Method: Email**Comment Date** 8/16/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Location**Heard About****Issues/Phone Message/Comments**

I am a property owner within the Harshaw Transmission Line proposal. You have sent me a bulletin including a map of the revised study area and preliminary links (Q3 2022). The map, however, has little value in locating links with owners' properties because of any identifying labels that owners could use to locate their specific locations such as other roads like Patagonia Lake Road or Acorn Dr. ,in my case. Even routes such as the El Paso Gas Line which you said the Transmission Line would follow are not labeled on the map. As a result, when you wrote in your newsletter that property owners..are encouraged to use identifying numbers on the map to share thoughts or concerns, we can't do that because we can't figure out where we are on your map.

I have two properties within the revised study area. I would like to know where exactly which link numbers are the closest to these properties as I can tell that they are in my neighborhood. Even if they do not abut my property, the presence of the lines , their construction and visibility, will affect my living environment just as the other pending disruptions by South32 will do.

Please send me a more specific map which shows my properties on your links map so I can respond as you urged me to in your newsletter. You can send it to this email address or my mailing address.

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

Due to size limitations of the printed newsletter only so much detail could be added to the map before it became too cluttered and illegible. Unfortunately, we don't have any higher definition materials to send to the public at this time.

The two parcel numbers you provided are in proximity to links 67A, 67B. Approaching your properties from Flux Canyon Rd where it splits to Acorn Dr., you would also see links 65C, 66A, 85, 95B2, 66B, 66C, and 107. To clarify, these are potential route links only. These links could be combined in various ways to form the transmission line route. I have attached a screen shot of the map you have with a blue star approximately where your properties are located in relation to the route links.

Comment Method: Email**Comment Date** 8/26/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Appearance, Location,
Other, Environment**Heard About****Issues/Phone Message/Comments**

I live in the lake Patagonia states properties. I am extremely concerned about the projected new powerline construction on 82. I am retired and part of my income is from a small Airbnb I run from my home. The draw for people to my business is partly the view and partly the birding. From my home Patagonia's are viewable from the guest bedroom. The projected construction would place the pole line across the view. Just as importantly, I am extremely concerned about the effects that it will have on wildlife. 80 to 90% of all my guests have come specifically for the birding. Prior to retirement I was a lineman. I worked in close connection with power and I'm well aware of how wildlife can be affected by the electrical currents. There is always a hum around that voltage. There is the potential for static electricity to build up around the area. Many times I have stood underneath these lines while I was working and the hairs on my arms would stand on end. Animals are much more affected by this type of phenomenon than humans. Patagonia lake and the area around it are homes to many special species. Birding is a draw not just for my Airbnb but economically for the entire area. The animals in the area help balance the natural setting. Disrupting this natural setting well, in my opinion and many others, cause untold harm. As you well know, there are many ground or a shrub nesting birds. Removing their habitat and encroaching on their safe space merely for the sake of additional power to a business is not worth the loss and damage to this sanctuary area. People move here for the quiet and the sense of nature. The construction of this type of powerline will be detrimental to people selling property. New buyers will not be drawn here because what used to be a draw would be gone. I understand that the idea of making money off of this short term is probably very enticing but the long-term effects on homeowners, wildlife, and visitors to this area will be detrimental to all.

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment.

The effect of transmission line on property values depends on the details of the project and the property in question as well as larger economic trends affecting the local real estate market. Research into this question suggests that while property values may fall slightly after transmission lines are built nearby, they typically rebound in relatively

Comment Method: Email

short order.

Comment Method: Email**Comment Date** 9/1/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

As an affected community resident, I attended the August 25 in-person meeting at the Americana Hotel in Nogales. At the event, there were numerous maps, visuals, slide shows that showed more detailed information than is available in the only map that is currently available.

When I asked to get a copy of some of the information displayed at the event, I was told that they would all be put on the website. To date, the information obtainable at the website has not changed: there are no additional maps or photos.

Please notify me when you do provide the information promised.

Additional Info**Requested Info**

Response sent**Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

We appreciate your patience with us in making the online interactive map of the project available on the website. We received multiple requests for an online GIS based map and have been working diligently to make this functionality accessible to the public. We are still in the process of creating the map and will publish it to the project website <https://www.uesaz.com/rio-rico-to-harshaw/> as soon as we can. I will make a note to email you specifically when we do.

Thank you for your interest in the project and continued patience.

Comment Method: Email

Comment Date 9/1/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

We appreciated the opportunity to participate in the recent (Aug 25) zoom call on the Rio Rico to Harshaw transmission line plans.

At that meeting, I again requested a more detailed map of the revised study area (as I had done a few weeks before the meeting). In response the presenters displayed a detailed interactive map including what appeared to be individual lot lines in the Lake Patagonia estates area. They also told us that they would “see if they could make the map accessible” to us after the meeting.

I’m sure you understand that it is impossible to have a discussion of the study area and links without having a decent map. I don’t see the map on the website as of today. Please let us know when you make it available, ideally through the website but if not by emailing us the link that you used at the meeting. And if you are not making it available, please explain the reason for that too.

We would also appreciate being notified when the finalized simulations, including the areas north and west of Ruby Road, are available.

Additional Info

Requested Info

Response sent

Response Notes:

Thank you for your feedback regarding UNSE’s proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

We appreciate your patience with us in making the online interactive map of the project available on the website. We received multiple requests for an online GIS based map and have been working diligently to make this functionality accessible to the public. We are still in the process of creating the map and will publish it to the project website <https://www.uesaz.com/rio-rico-to-harshaw/> as soon as we can. I will make a note to email you specifically (and others Cc'd) when we do.

Thank you for your interest in the project and continued patience.

Comment Method: Other

Comment Date 8/18/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

To that point that, and thank you for bringing that up. The states this last legislative session did create the broadband office to the ACA, the Arizona Commerce Authority, and there is going to be some federal funds coming in so I really encourage all of you to have conversations with the state in regards to funding and moving that forward in regards to broadband because it's very important. Again, thank you for bringing that up.

Additional Info

Requested Info

Response sent

Response Notes:

Thank you.

Comment Method: Other

Comment Date 8/18/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Cost

Heard About

Issues/Phone Message/Comments

What is the estimated cost of building this line?

Additional Info

Requested Info

Response sent

Response Notes:

At this time, I don't believe we have a cost estimate just due to the fact that there isn't a final design. We don't know what the location of the switchyard is going to be as well as the path for the transmission line. But one thing to note that the project is customer funded. So there won't be impacts any existing customers.

Comment Method: Other**Comment Date** 8/18/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Cost, Other, Renewable Energy**Heard About****Issues/Phone Message/Comments**

With that being said, I don't understand how it would not impact ratepayers. This project being paid. Can you elaborate?

Additional Info

In regards to solar, is there going to be anything that's out there by mine? In the presentation there was renewable energy mentioned, and I'm just wondering how that would play out in regards to that to this project.

In regards to that, recharge stations, any plans for that as well? Because right now the state of Arizona has been talking about actually doing that through ADOT, again, with federal funding, and I'm wondering if TEP was going to be planning on doing recharge stations. I mean, the opportunities there we talked about fiber, we talked about renewable energy, so let's talk about the recharging stations.

That is correct, Evs.

Requested Info

Thank you. Right now ADOT is having these conversations regarding these recharge stations, so I encourage TEP and South32 to be part of those conversations. And if whatever I can do to assist this is really going to help my constituents in that area in all that we're talking about, so please, use me as a connector. I would really like this to happen. Appreciate it.

And if I may, I'm going to put my contact information if someone can email me so that I can start having those conversations. I usually work with Steven from TEP. And so if that's the person, I see somebody nodding, is that the person I need to? Okay, I can start with Steve.

Okay. Thank you. So, Adriana will be getting contact with Steve and then if you can coordinate this I would like to have that, sorry I won't take up the rest of the meeting. Thanks.

Response sent**Response Notes:**

Chris: So to Eric's point, the costs for the construction of the switchyard and the transmission line are all funded by the customer requesting the upgrade. So the construction costs, the design costs, everything associated with this project is covered by them. Even the substation, the blue triangle out by the mine site, the way that will be configured part of that will be dedicated to serving the mine and the other part will help us improve service to the downstream customers. All of those facilities will be paid for by the mine as well.

Chris: Sure, great question. I'll jump in and then others feel free to add. From my understanding of the facility out by the mine site there's some limited footprint and as we all know, it takes a fair amount of space to build a sizable solar facility. So I don't know if that specific location will support much from a solar perspective. But one of the

Comment Method: Other

things the switchyard I'd say in particular, to the west, but also the transmission line as it runs towards the mine site, it offers a new connection point to our system and that could definitely aid in interconnection. That's always a costly endeavor for a new project. They can reduce the cost of connected future facilities. Now, where we're headed there's a little more interest these days is that energy storage also offers the opportunity to connect some energy storage, potentially in the future. I can't speak to any specific plans that we have, but new facilities always give us a new opportunity to connect those resources. So I know that's not an exact answer your question, but it definitely gives us more to look at once they're in service.

Chris: Like electric vehicle chargers

Chris: Again, the switchyard in my opinion, along the existing line would definitely support additional loads so all those new electric vehicle chargers are great, but they do add load to our system. So that can give us the opportunity in the future to support load growth related to that. Now, specifically to this project, I don't know if I could speak to that, you know, if we would add them to typically they would, they would get connected to a lower voltage distribution line but I think the opportunity along the way, could definitely be looked at for sure as we're building this line, we may need to relocate or upgrade existing distribution and that might be a great place, you know, we're getting close to SR 82 there so I imagine that's a good another good location so it gets a great point, other things that we can consider as we're developing the project.

Roberto: Just wanted to add that we don't have to wait for the 138kV line to happen to look at opportunities on the charging stations to our distribution voltage which is the power poles that we have all over. So if you need any help in identifying or evaluating key locations, wherever the state might want to set up those stations, please reach out to UniSource and we will have our team that is more focused on those activities to help and we can rally the proposed locations to see if we have the proper voltage and everything, if we have distribution at that area more than likely we can serve a charging station.

Roberto: Yes, please do, and then he can hook up with me and we can engage the rest of the team that can help with that.

Comment Method: Other

Comment Date 8/18/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

I've spoken to Roberto about this as well as I noticed that Melanie Lawson from South32 is on, but Santa Cruz would just like to continue the discussion on the potential to have broadband or some kind of fiber optics or point to point as you guys built this and so if we could continue that discussion we would love to continue to have this.

Additional Info

Requested Info

Response sent

Response Notes:

I believe those discussions are ongoing.

Comment Method: Other

Comment Date 8/18/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Location

Heard About

Issues/Phone Message/Comments

Are these routes mostly affecting ranch grazing area or are they mostly affecting areas where there are residential lots?

Additional Info

Requested Info

Response sent

Response Notes:

If you look at link 72, 74A, and keep going west from that, 87, that's along Pendleton, closer to the river, so it's following the boundary of Pendleton Road south from Rio Rico Drive south from the Sonoita Creek. So that's near residential areas, but not next to the houses. And then if you look at link 71, 88, 89A, that's more out there not a dense, populated. residential areas, more ranches over there.

Comment Method: Other**Comment Date** 8/25/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Location**Heard About****Issues/Phone Message/Comments**

I asked about having more detailed maps and was told we'd see one tonight.

It's not even so much the specific properties it's just that you send out these my maps that make it basically incomprehensible to give us any time to see what's actually being proposed so it seems kind of disingenuous to send out such lack of precision so no I don't have a specific property in mind I just would like to be able to look at the various drainages and look at the various properties and understand what's actually being proposed here so that's I guess will you be able to see this pop-up map in the future and ponder it or is this our one chance?

The previously proposed links that are no longer under consideration I was interested in the specific barriers that you saw to using to that being a viable alternative, I'm assuming that they were private property considerations weighed into that, but were there other considerations that prevented the previous map from being considered?

Additional Info

So, is the only the airport?

So, the current lines that are there are short enough, but the proposed towers would not be short enough?

I assume the people in Lochiel in the San Rafael valley have electricity service now I'm just curious why the decision was made to build a brand-new line rather than retrofitting some of the existing lines? It's shorter from Lochiel to Hermosa for example then from Nogales or Patagonia Lake to Hermosa

Requested Info

Thank you.

Right, and the distribution lines aren't on the map that we received, right?

OK, thank you

Response sent**Response Notes:**

Eric: That is correct, we do have the ability and let's see if I can pull this up. It is a GIS portal, so we'll be able to zoom in and see different properties and all of the links with respect to those properties. So, Christine did you have a particular area that you wanted to look at?

Eric: I'm going to take that back and see if we could have an outward facing GIS application for the public to interact with, we have done that in the past on other projects it's usually through a third-party consultant so I can take that back as a request to see if we can have that added to the project webpage if we're able to do that we can send out a mailer notifying the public that it's up and ready. And there will be several other public outreach meetings where

Comment Method: Other

the public will be able to review these links. Currently there's quite a few shown, I think there's like 55 different links but as Chris we're going to widdle these down with public comment after reviewing the resource studies so ultimately will be getting from point A here or point A here to point B using a combination of these links.

Eric: Yes, so if you if you see this area right here with the pink color?

Eric: The airport but what they have is it's called approach and departure zones and so they extend way out beyond this this area and it's an imaginary surface where the closer you get to the airport, the shorter your structures have to be and once we get to a point where we're so short, it's no longer feasible to support a 138kV voltage.

Eric: That is correct, and I don't believe there's a proposed line that runs along this area, I think it's more along this way - let's see if we can pull this.

Chris: Eric while you're doing that I'll say one more thing about some of those routes to get as close to the airport the one that goes pretty well due North and the one that's right up that's the biggest one we thought had some potential until you compared the air space with the existing terrain so there's zero ability to build anything overhead in that area for us so I'd say yeah that was the largest factor in the elimination of those routes on the south was the airport airspace.

Chris: The source of power for that area today is coming from substations along the existing line to the west looks like in this map our line is shown in red is that the case Eric?

Eric: Yes

Chris: So that's our transmission line that we have today in and then there's distribution that heads over to the east to serve that area today including the mine, they're an existing customer so you know I'd say that that's an a benefit of the project is that we can once we build this transmission line and substation we could improve service to those existing customers. There wouldn't be another closer alternative say to do it for a distribution or a lower voltage solution, but I think you're kind of getting at, we'd still have to come from the far west that's where our source of energy comes from for this area.

Eric: Christine, I believe you asked or mentioned existing transmission in the area, this is the only existing transmission in the area, everything else is distribution so there is a pretty significant difference between transmission and distribution, just wanted to clarify that.

Eric: They're not, no ma'am

Comment Method: Other**Comment Date** 8/25/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Location**Heard About****Issues/Phone Message/Comments**

I am one of the people that live in Flux Canyon and that you want a 100 foot easement to basically go through my front yard for this line and there's other people also that live in Flux Canyon so are you really saying that you're choosing to go through the bottom of Flux Canyon for the benefit of the mine rather than go through the forest service because you don't want to deal with any more forest service bureaucracy? You would rather ruin the property values and the lives of the families that live in Flux Canyon.

Additional Info

When was this letter?

Yeah but that's not true because the distribution line that exists right there goes through Circle Z property and it goes like right above my property but the Arizona Land and Water Trust said that they would not allow that so now you're going to make a whole new route that would go through the bottom of Flux Canyon where everyone lives. And why are we following something from Senator McCain from 2018? The forest service should not I mean obviously they would like it to not be through their lands but obviously I and the other people who own land and live in Flux Canyon would not like this line to be down in the bottom

Requested Info

OK so you're just saying that you're going to prefer anything that somebody from the forest service said instead of actually talking to the people that that you're going to be impacting?

All right I just hope you will listen to the regular citizens instead of all of the governmental agencies

Response sent**Response Notes:**

Eric: I do believe we have received a letter from Senator McCain that his preferred alternative dating back if we were to upgrade this line within this area was Flux Canyon and that has led us on this path especially, we do have existing infrastructure within that area.

Christina: The letter was written in 2018 it was to Senator McCain from the forest service. In that letter the forest service recommends that the transmission line be constructed along Flux Canyon Road because we already have an existing distribution line there and therefore it would minimize impact to the forest.

Eric: Thank you very much for the comment, that he noted for the record and included in the application. Please make sure you fill out a comment form as well from the project website so we can include that.

Eric: That's the whole reason for the public outreach meeting is to engage the public, provide them the opportunity to comment and take that information back. We can't respond right on the spot, so we have to take that information back and evaluate the links and all the comments received and all the resource studies and criteria that

Comment Method: Other

go into the CEC.

Eric: Thank you

Comment Method: Other

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Appearance

Heard About

Issues/Phone Message/Comments

Will the project consider visual resources and the type of tower used for this project?

Additional Info

Requested Info

Response sent

Response Notes:

Yes, the project will consider that. We're preparing a visual impact study for the project right now and so what it does is it evaluates we take key points along the route and evaluates how the transmission line would look in that area and they're called key observation points is what we select so we're in the process of developing that and once that has been completed it will be available on the project website for the public to download and review.

Comment Method: Other**Comment Date** 8/25/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Other**Heard About****Issues/Phone Message/Comments**

Zoom in to street parcel level it looks like the routes are now in my and other front yards as precious routes. Just curious because you can't really see where a line is with respect to a particular neighborhood or something like that. I understand the concepts that you were just are talking about by the airport because I know if I remember correctly that you thought your more appropriate routes were down River Road and now they're cutting across. It's just hard to see exactly where something is in such a large area and down to specific levels, we can't see roads or streets, subdivisions stuff like that but yes, I saw you had the wow I didn't realize they were that many parcels.

Additional Info

Yeah, I know I live in an area where only a quarter of the lots are built on.

So, is this map online?

Requested Info

Could you pan to the east? Where's 74? I think it was 74 was 73, 75, I guess.

OK so now I see where I'm like halfway between 76 and the park so it may have an impact but it's like I look out and if something's there it's going to be there. That's good you're just showing there I could almost zero in what I think is my parcel.

Response sent**Response Notes:**

Eric: So, these are all platted but not constructed.

Eric: Yes, and right here is the Santa Cruz just for consideration so this is a low-lying area.

Eric: We're going to see if we can develop a tool, we have done that in the past for past projects through a third-party consultant so we're going to look into that to see if we can provide an outward facing GIS application on the project webpage and if we're able to do that, if we do it internally our IT security is not comfortable with the information that's provided out there so that's why we've gone through a third-party consultant in the past and hopefully we'll be able to do that again.

Eric: Here's 75, 74, 73, 74A, 74B

Eric: One thing I'd like to point out that I forgot to mention, the distance between these structures, one advantage of transmission over distribution is that the transmission poles can be spaced a lot further apart than distribution poles. Typically, the spans are roughly between 600 and 750 feet so that's from pole to pole whereas on distribution they may be 200 to 300 max so you're losing one pole and they're higher as well, so you don't have that visual obstruction at eye-level that you do with distribution lines.

Comment Method: Other

Chris: Just to give you a little bit clearer picture of the link and the number that you might be interested in or all of them in this vicinity, getting that feedback from you is definitely where we're at in the process and so again we don't need to build a line along every single one of these sections, we just need to connect the dots once across from west over to east essentially in this case. So, we wouldn't need to build a line for example on 76, 77 and 103 to go from the west side to the east side, we just need to build on one of those paths. Giving us some feedback on what you think about that.

Comment Method: Other

Comment Date 8/25/2022

Support Project

Alternative Preferred

Category

Concerns Topics

Heard About

Issues/Phone Message/Comments

How tall are the towers?

Additional Info

Requested Info

Response sent

Response Notes:

They'll range between 75 and 110 feet depending upon the terrain and just again this is a picture of our standard 138kV structure.

Comment Method: Other

Comment Date 8/25/2022

Support Project

Alternative Preferred

Category

Concerns Topics

Heard About

Issues/Phone Message/Comments

The website mentioned that you've done visual simulations for the CEC, can you show those, or can we access them?

Additional Info

Requested Info

Response sent

Response Notes:

Showed PDF of sims displayed at in-person meeting

Comment Method: Other

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Timeline for reducing route selection?

Additional Info

Requested Info

Response sent

Response Notes:

If we go back and look at the high-level schedule, we're continuing on with the outreach, environmental analysis/documentation, links development all the way through the end of this year and the alternative route development so I anticipate that there will be at least one more public meeting once we've received weeded it down to the preferred and alternative routes and then we'll be preparing the CEC application with a line siting hearing scheduled for April 2023.

Comment Method: Other**Comment Date** 8/25/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Underground, Renewable Energy**Heard About****Issues/Phone Message/Comments**

Has your customer or UniSource considered underground or solar?

Additional Info**Requested Info****Response sent****Response Notes:**

Chris: So, we have had a fair amount of conversation and analysis on under grounding, so Eric if you can go back to the larger map we have here. OK so we have looked at undergrounding for a couple of reasons: would it be considered a possibility around the airport? We talked about there's some aerial conflicts so if we went underground it is that a way to solve that issue, there's also been some questions from the forest service about undergrounding and if we've generally been getting those questions on other projects as well so I've had some recent experience on looking at feasibility, looking at the cost of those facilities, but kind of indefinitely cost is always when you talk about undergrounding transmission facilities, is a major part of the conversation because we've always said it's 10 times the cost of overhead and that's been a general number at times but we've done a couple of recent studies, scoping and analyzing is that truly the figure and in in some cases it's almost 13 times, in other cases that that are a little more rural that 10 times is still a really good rule of thumb to think about so cost is a major, major impact when you think about under grounding but in this case I think a bigger factor is just the operational impacts it would introduce for the project so what we're talking about doing here is building a radial transmission line from the new switch yard at one of these yellow triangles heading east over to the new substation, the new Harsha substation on the blue triangle, so if we were to look at underground in any one of the sections, what would happen on an annual basis and potentially more frequently, is we'd have to take a lengthy outage on that section being the fact that it's radial meaning it's the only path we have to move electricity from the west to the east, the mine and the customers downstream will be out of power until we're done with our inspection and maintenance. That inspection and maintenance process on an overhead line can almost always be done without taking an outage but when you go underground, we have to send crews into the connection points to the pole boxes or vaults to do those inspections and we have to de-energize that equipment just from a safety perspective so it's definitely an operational constraint we have. So, we've looked at it, we've analyzed it, we've talked about it a fair amount, it really doesn't seem like a viable solution for this project. To answer the second part of the question was if they considered solar? Solar is a great resource from an environmental perspective but if all you have is solar operationally that you can only really provide power when the suns out during the day, maybe for some off grid scenarios it works well for a smaller load but for an operation like this and the existing customers downstream, just wouldn't be a viable alternative to the only don't provide power during the day. You know you can think about coupling it with large scale energy storage and the technology's been advancing significantly over the years here but still you're only looking at 4 to 6 hours of storage which gets you through the evening, not really even to midnight so while it definitely is a great resource and even storage as well it just doesn't cover us for that full timeframe when all the customers out here need the power.

Comment Method: Other

Eric: The area of disturbance for underground is a lot more significant as well than for overhead construction. I believe we did a preliminary investigation, and it was upwards of three times the amount of area disturbance for underground verses overhead construction.

Comment Method: Other

Comment Date 8/25/2022

Support Project Alternative Preferred

Category

Concerns Topics Other

Heard About

Issues/Phone Message/Comments

Why was the proposed route in Flux Canyon labeled as 98 abandoned?

Additional Info

Requested Info

Response sent

Response Notes:

That was evaluated by our line construction group and the terrain is extremely difficult in there they were very concerned about the ability to construct as well as the ability to maintain afterwards.

Comment Method: Other**Comment Date** 8/25/2022**Support Project** **Alternative Preferred****Category****Concerns Topics** Location**Heard About****Issues/Phone Message/Comments**

I represent quite a few people in Flux Canyon that are not speaking right now who do not want this giant powerline to go through the bottom of our beautiful canyon it would be ugly, it would be dangerous, I know you've got plenty of data it to tell me it won't be dangerous but and it's sort of like well back in 2018 somebody said that you know the forest service said that this is preferred and so this is what we're going to do and the whole line doesn't even need to be anywhere near here, it could be the line they also want to make the road through Flux Canyon for their 80 ore trucks a day, it doesn't need to go through our populated area, it could go through Soldier Basin but it seems like everything's already been decided. UniSource has decided this, TEP has decided that forest service, and the people who live here have no say in it, can you address that?

Additional Info

I understand that, and I understand that you guys are looking at a best route would be whatever is going to cost less money and as you say less maintenance or whatever and less interference from the forest service but that should not be the only criteria that you're using here and as a citizen as the property owner that is directly involved here, I really don't feel like we, what you're going to say oh well if you send a letter will evaluate it, we'll send you back a little form letter and it'll say oh yeah it's Leslie sorry but we still want to put this line and we want this hundred foot easement right through your property, my line would be that the one that's labeled 66A that's what goes through my property and really you know we've listen to you but we're not going to do anything about it because we already decided back in 2018. Now nobody in Flux Canyon knew that this was decided in 2018, you wait until we got a newsletter from you two weeks ago right saying that this meeting was going to be held, that's not time at all.

Requested Info**Response sent****Response Notes:**

Eric: To some degree yes, we did start the whole process with that letter, this project has been going on for several years now so that was one of the starting points, one of the considerations for choosing Flux Canyon was that letter from the forest service, that started the whole SF299 process which Kim had spoken to and we do evaluate the public input throughout the whole process as Chris appointed out, showing that we're providing opportunities and the more you comment the more that the line siting committee is going to listen to those comments and it could weigh their decision. We're just looking for the best possible route to serve the project and use the direction that we've been provided today.

Eric: As I said, this is the third public meeting that we've held on the project, we're continuing to seek public input. I do see 66 on here, there are several other options within this area so we will consider your comments and they'll be part of the application moving forward and they will be seen by the line siting committee.

Chris: I hear you guys comments this isn't the best map to see the detail so as we get the other resources up on the website you'll keep an eye on that so we can keep providing us more information but just to mention, we're looking

Comment Method: Other

at all of these links and we really only need to connect the dots once to get all the way up to the mine sites so 66A as you can see if you're around there, that is a link that we're asking for some feedback on so I do appreciate you giving us the direct feedback. We can document that, and we do all those comment forms, all the emails, all the voicemails, all that stuff we do take that feedback in and document that per these links. There are a few other options for us to consider in this area so that could you take a look at that in and give us some feedback on the area I know you are right now but as you look at this you get a little bit more time even just over the next few months to look at this, look at the other resources on the website, provide that feedback and there's still plenty of time to do that.

Comment Method: Other

Comment Date 8/25/2022

Support Project **Alternative Preferred**

Category

Concerns Topics Environment

Heard About

Issues/Phone Message/Comments

Does the forest service consider the full length of the project or just a portion on any forest service lands?

Additional Info

Requested Info

Response sent

Response Notes:

That's a good question, obviously they only have control over what gets built on forest service land, they only have authority to put mitigation measures in place so that kind of thing for the portion that goes on forest service land. NEPA does require that they look at what they call direct and indirect effects of their action so they would be looking somewhat at the other alternatives but again they don't have to do full environmental analysis or to the level that they do on their own portion because that's the only person that they control but NEPA does require that they look at it at the bigger picture yes.

Comment Method: Letter**Comment Date** 10/16/2020**Support Project** **Alternative Preferred****Category** Business Owner in Study Area**Concerns Topics** Location, Other, Historic, Environment, Renewable Energy**Heard About****Issues/Phone Message/Comments**

We are submitting our comments of concern over parcels which are within the high voltage transmission line preliminary study area. We represent the owners of parcels within your study area. We are adamantly opposed to the construction of this line across any of our parcels. First of all, 3625 acres within this study are protected by a perpetual conservation easement, established and recorded on September 19, 2013 with the Arizona Land and Water Trust. This property possesses important wildlife habitat, biological diversity, ranching and its ranching heritage, plus significant riparian areas that are of great importance to the residents of Santa Cruz County and the state of Arizona. A high voltage transmission line through our property would adversely affect the well established and recognized value of this properties contribution to the inherent conservation values.

Secondly, Circle Z Ranch is the oldest continuously operating dude ranch in the state of Arizona. Established in 1926 we contribute greatly to the tourism industry in this area. The reason people from around the world to our ranch and are attracted to this area is due to the unobstructed vistas, the conservation values, and for the enjoyment of a protected open space that has become quite rare in our society. A high voltage transmission line would adversely affect the tourism value of our land and would more than likely severely affect our ability to offer the quality vacations our guests have been accustomed to.

Thirdly, the Hermosa mining executives have in the past put pressure on us to sell property for their use, and we have adamantly refused their pressure. Subsequently they have purchased numerous properties surrounding us, often paying way more than market value for these purchases. They have also said numerous times they could easily undo the conservation easement on our property. This is a legally binding document and cannot be dismissed, even for the mining industry. When the mining executives first approached us with their "plan", it was to purchase our property in Flux Canyon so they could construct a solar based power generation facility that would power their mining operation. Now that they have purchased many parcels of land in and around Patagonia and in the Flux Canyon area, why are they not constructing their own power generation facilities? Why should this area become an industrial complex with high voltage power lines polluting the vistas?

We are very concerned with the construction of this power line and encourage the Unisource to help the mines identify less intrusive and more sustainable power resources.

Additional Info**Requested Info****Response sent****Response Notes:**

Thank you for your feedback regarding UNSE's proposed Rio Rico to Harshaw 138 kV transmission line. We appreciate your concerns and will include them in the project record provided to the United States Forest Service and the Arizona Corporation Commission.

At this stage in the project, UNSE has identified a preliminary study area. UNSE has made the Preliminary Study Area available on our project website at: <https://www.uesaz.com/rio-rico-to-harshaw/> under project details, click

Comment Method: Letter

where it says Study Area. At this time no alternative routes have been identified. Next, UNSE will identify multiple potential line route segments that could be combined in various ways to form possible routes. Residents and other stakeholders will be updated via a second newsletter when the segments have been identified. UNSE encourages you to share your thoughts or concerns about the specific segments in order to inform future alternative routes development.

UNSE goes to great lengths to determine the most suitable transmission line route for inclusion in the application for Certificate of Environmental Compatibility. Through comprehensive research and field investigations from 3rd party experts, an inventory of biological, ecological and culturally significant resources are compiled to create datasets used in the alternatives analysis. Detailed environmental maps are developed that identify sensitive and high value areas to be avoided. Where such areas cannot be avoided altogether, best management practices and mitigation measures are used to diminish disruption to natural habitat and reduce impacts to the environment.

Comment Method: Interactive SurveyComment DateSupport ProjectAlternative PreferredCategoryConcerns Topics

Environment

Heard AboutIssues/Phone Message/Comments

Concern: I'm concerned about Sonoita Creek and its eco system especially migrating birds and as a water source feeding into the Patagonia Lake. Important Resource: This area is an oasis for migrating species. Please put this line on the other side of SR-82. The sonoita creek habitat especially under drought conditions is very sensitive not to mention it feeds into Patagonia Lake

Additional InfoRequested Info

No response requiredResponse Notes:

No individual responses were given to comments received from interactive survey.

Comment Method: Interactive Survey

Comment Date

Support Project

Alternative Preferred

Category

Concerns Topics

Appearance, Location,
Environment

Heard About

Issues/Phone Message/Comments

Crossing HI 82 will put the lines next to the mailboxes of over 50 households. Residents of Lake Patagonia Ranch (HOA) stop here daily for mail. Also all campers and RVs going to Patagonia Lake State Park or the Sonoita Creek Natural Area will pass along this high traffic area. Keeping the line on the other side of 82 would be much safer. Al, some homes in the HOA will have these lines in their viewshed and near their homes, especially on Azteca Ct." Patagonia Lake has over 300 migratory and local birds. It is a unique resource. Birders come from around the world because Sonoita Creek and the Lake are an important bird area. Migration is an issue along the length of highway 82. that should be addressed in your planning

Additional Info

Requested Info

No response required

Response Notes:

No individual responses were given to comments received from interactive survey.

Comment Method: Interactive SurveyComment DateSupport ProjectAlternative PreferredCategoryConcerns Topics

Environment

Heard AboutIssues/Phone Message/Comments

We had our second Harshaw area fire today that each required large tanker aircraft, observer planes, and fire fighters on the ground to contain. We are experiencing drought and everything organic is subject to combustion if it is exposed to high-energy power lines and/or maintenance that requires ignition for any operation. This is the most fire-prone region in southern Arizona. Each of the "exemplars" shown in (separate) propaganda is imperiled by this proposed development.

This area is famous for its biological diversity and physical beauty. Any high-power electrical field could cause combustion of plant and mineral storage yards and the murder of thousands of wildlife and plants including large pines and mariposa. The blockage of animal migration could literally result in species extinction.

Additional InfoRequested InfoNo response requiredResponse Notes:

No individual responses were given to comments received from interactive survey.