

Kino to DMP 138kV Transmission Line Project Live Stream Open House Questions and Responses

| # Question / Comment | Response |
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| 1 Multiple comments about buffering and technical difficulties. | TEP apologizes for any technical issues. These issues were out of our control. A recorded version of the meeting is available for review on the project webpage. You can contact us with any questions via phone or email. |
| 2 Will the possibility of underground application of the wires be addressed during this meeting? Potentially the added cost for going underground could be absorbed by Banner Medical Center, the University of Arizona, the City of Tucson, and TEP. Also as a taxpayer, We would be open to a tax increase to support the cost of burying the lines between Grant and Broadway. | Yes. Undergrounding was discussed in the virtual meeting and can also be viewed on pages 7-13 of the presentation. |
| 3 According to TEP's data, its transmission lines do not regularly have outages. Given this fact, and the fact that the new 138kV Kino substation will be live any day now, why would the redundancy of a Kino-DMP transmission line be an urgent issue to anyone that will be served by the new Kino substation? | The Kino substation and IRV-Kino 138kV transmission line will help the southern portion of the study area, but still does not provide a looped system that ensures reliability and redundancy. The Kino substation does nothing to serve the energy needs of the northern portion of the study area. |
| 4 You say that "this service is needed" but provide no justification. There are several alternative options that need to be considered before this project is allowed. This should be the last resort. Not the first option considered | The need for the project has been addressed in each of the public meetings that TEP has held. There are not alternative options for TEP to deliver energy to users as has been discussed in the public meetings. |
| 5 In the Irv-Kino ACC hearing in 2018, while under oath, TEP agreed with an ACC member that property owners can make claims against TEP for lost property value. The ACC member went on to suggest that TEP should include those potential costs when comparing alternative routes. Yet here, TEP has again failed to do so. Given the certainty of lawsuits against TEP by homeowners for lost property value if TEP chooses an overhead route, is it not prudent to estimate those damages and legal costs to see if undergrounding may actually be the more cost effective solution? | TEP reviewed the transcripts of the case indicated and did not find the suggestion that potential costs be included when comparing alternative routes in future cases. Further, this comment assumes that there is a negative impact to property value from a transmission line. TEP has researched the issue over the years and cannot find any long term negative impact to housing values. The inclusion of a property value impact when none is anticipated would not be reasonable. |
| 6 Questions from the last open house were posted online about 3 days before public comments were due. How can you post answers to questions more than a month after the open house and with no time for the public to actually read them before comments are due? When will all questions be answered from this open house? | Responses will be provided on the project webpage within two weeks. |
| 7 How can you not fully understand undergrounding costs before presenting this open house? | TEP has a general understanding of the undergrounding cost. But actual cost estimates cannot be prepared until there is a design for the line. |
| 8 Why should the entire city pay for undergrounding if they enjoy the benefits of it? | Assuming this question relates to an undergrounding district, the City would develop the district and therefore it is up to the City who would be included in that tax district. |
| 9 You can't just dismiss undergrounding like that. There was no reasoning for why these lines can't be undergrounded | As has been stated in our public meetings the lines can be undergrounded. The issue is the incremental increase in cost that TEP does not feel should be spread to all customers. |
| # Hi, speaking of transparency, how did you advertise this meeting? I only heard about it from a neighbor. It seems like since you had my email address from a comment I submitted, you could have used that to send notification. Please let me know how to get on a notification list for the next meetings. Thank you. | Over 40,000 people in the study area were notified via postcard mailing. Public notice was also placed in the Arizona Daily Star. For one week prior to the meeting, Facebook ads were posted multiple times daily over the one week period. If you did not receive a postcard, please email your address to the project email address and we will check the mailing list to make sure that you are on it. |
| # Can those needing the extra power (u of a and the big apartment complexes) pay for this upgrade? | Banner and UA are not the main beneficiaries of the project, everyone in the study area benefits from this project. The purpose of this project is to: <ul style="list-style-type: none"> • Improve electric reliability. New energy infrastructure will strengthen reliability for homes and businesses in the study area by adding redundancy, allowing TEP to deliver energy from more than one direction <ul style="list-style-type: none"> o The project will create a "looped" 138 kV transmission system that will interconnect both the Kino and UA North 138 kV Substations to TEP's existing infrastructure. This looped system adds redundancy by serving both UA North and Kino from two directions • Replace aging infrastructure. A large transformer, electric switchgear and other substation equipment currently providing service to some area customers are nearing the end of their useful lives and must be replaced within the next five years. <ul style="list-style-type: none"> o UA North Substation will alleviate demand placed on existing 46 kV circuits, providing contingency support in and around the study area, allowing TEP greater flexibility to respond to outages o UA North Substation will interconnect with TEP's 138 kV system, which provides greater service reliability and additional capacity to serve future energy needs. • Provide support for the University of Arizona and the Banner – University Medical Center Tucson campus and emergency room. |

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| # You keep saying that you can't make the entire city pay for undergrounding. Yet this extra capacity is for very specific groups. Those specific groups should be required to pay for undergrounding | See response to # 13. |
| # Yes, I was expecting us to be a text message. That's the number I dialed but if it's a recording that's fine too. I live about a block east of Campbell in the same Neighborhood have been here for almost 30 years and I'd strongly opposed these polls going in. They must either be you know, buried underground or five different route, but running it right through the Gateway literally the gateway to Tucson, which is Campbell Keno as it comes up from the airport. It was designed to be that way with the Statue with the bridge that was redone. You know, it's the entranceway the gateway to Tucson that most people coming off are planes are landing into Iraq on C and it will obstruct the view the beautiful view of the Catalina mountains. The university are wonderful historic neighborhood is just an absolute dead. That you would even consider putting these massive poles right along Campbell's, you know, right around the main road the main introduction to Tucson that most people drawing a conclusion about whether it's a beautiful city and it's welcoming or if it's just, you know, a power pole Venture. It's it's disgusting absolutely disgusting. I can't imagine those holes being placed on Campbell that would destroy the view of the University, you know of the mountains the wrong reasons to the west and it's just a nice or it's going to bring down the values of all of our homes. I just know that if you live here you tep people who are proposing this you would be a month old and would be as vehemently opposed to it as I am if it were in your neighborhood, but it's not probably and I don't know it appears you do just do not care but Thursday. Is just an absolute insult register my vote against these power poles. They must either be buried bite the bullet spend a couple of dollars. You make a lot of money, you know, the customers here in Tucson and certainly can afford to do that and it's and it's actually better for you in the long run because you know, there's a whole lot less maintenance from our polls. They get blown over and our monsoon season and you know service going down if you bury those polls, they're much more protected, you know, that is the right thing to do. So I'm asking that you listen to all of us in the neighborhood. There are thousands of us who really oppose these polls. I don't know how many people are on this live stream thing tonight off a conflict with some other political things that are occurring some debates for the senate seat. I don't know why you choose these days. | Thank you for your comment. It will be included in Exhibit J of the ACC CEC application. |
| # There is too much information in these first slides (615pm) to make sense of it at the speed of the presentation. | There is a lot of information to present. The recording and written presentation can be reviewed again. If you have questions following the review, we are happy to answer them via email or phone call. |
| # I regularly about 3 times per week ride my bike from the UA to Rialto river trail via the Mountain bike path. Every time I ride I see new dead birds below the high voltage lines along the east side of mountain. This is the only place where I see dead birds. If the power lines kill birds how safe can the power lines be? Thanks | <ul style="list-style-type: none"> • TEP works with the UA on to protect birds through it's Raptor Protection Program. • Energized lines can present a hazard and that's why TEP installs bird guarding equipment on all new distribution facilities. • If you see a nest site or have a concern about a safety hazard for birds, feel free to call us at 520-623-7711 or Arizona Game and Fish at 520-628-5376, Ext. 4446 |
| # What quality of life measures do you take into account when analyzing impact on neighborhoods? | Quality of life indicators are a measure of comparisons over space and time. No indexes for this method have been developed for this method of analysis. TEP uses the multi-objective decision model and geospatial analysis to analyze potential impacts and compare and contract potential routes with TEP's design philosophy and the ACC factors that are required to be assessed per statute as the basis for its analysis. |
| # Neighborhoods near the UA have borne the brunt of UA expansion. Going underground will mitigate the visual and physical impact of this expansion and lessen the impact on sensitive historic neighborhoods. | Thank you for your comment. It will be included in Exhibit J of the ACC CEC application. |
| # Question. Exactly where is this power to be generated? What distance from west univ area? Tnx | Power is generated at multiple generation sites that blends together to provide TEP energy. From a renewables perspective the future OSO Grande wind farm will be one of the most distant resources that TEP will be delivering to its customers including those in the west university area. |
| # I don't see why costs of undergrounding are being restricted by TEP ti just the "study area". The visual blight of these gigantic industrial poles negatively impacts the impression visitors get of our whole city as they come down Kino to the city center and university. The cost of undergrounding should be shared by all Tucson for this and any other such project as it affects us all. | See response to # 2. |

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| # Interested in what his specific neighborhood is going to go through (Barrio San Antonio Vargas) | Question was not answered in meeting. Follow up called indicated that San Antonio Vargas is the same as Barrio San Antonio and the preliminary routes do not go through this neighborhood. |
| # Can you respond to the concerns expressed by Demion Clinco of the Historic Preservation Foundation regarding to your historic district analysis? | Demion identified that the Sunshine Mile Historic District had been left out of the Historic District Analysis. This is being corrected. Demion's other concerns relate to projects that have a Federal Nexus, which is not applicable to this project. |
| # How are ua dorms NOT residential use? # There are several dorms on Euclid | The UA dorms along Euclid are included in the residential use analysis. |
| # So moving down the middle of Pueblo Gardens? In the median? | Route 3 and 5 would use the road right of way adjacent to the west edge of the median. |
| # How much advance notice will TEP provide the community prior to its request to the city council for a special exception approval for UA North Substation? | TEP will provide the neighborhood associations and nearby landowners (as required by COT) at least 30 days notice of the required public meeting and of the COT Zoning Examiner hearing. |
| # Of the 6 routes that remain, 2 use the Vine Ave Green Corridor from Lester to Grant. This is a small residential street, in stark contrast to the other routes that are entirely on arterial streets. How will your options to the ACC reflect this great disparity in the routes? | Road types and right-of-way width fall into several of the analyzed criteria. They are considered in the Room for Separation, Viewshed, and Historic Impact Analysis. |
| # Does 1b go along Campbell or park? You said Park but the slide showed Campbell? | Both, Route 1 follows Kino to Broadway, where it becomes Campbell, continuing to the UA North Substation. Route b leaves the substation through the alley and then continues north on Park to Grant. |
| # This is what you always planned, as if we didn't know going into this. It's all a sham to consider Campbell as so many different choices when it is basically one route. Just a game this whole thing. All this computational number obfuscation rigmarole! | Thank you for your comment. It will be included in Exhibit J of the ACC CEC application. |
| # Did your Phase 3 analysis take into account the large difference in the width of the streets of the proposed routes? For example, Campbell Ave is 2-3 times wider than Vine, so would have greatly reduced impact on nearby residents than Vine. How is this included in your proposed 6 routes? Surely they can't be presented as equally good options? | Road types and right-of-way width fall into several of the analyzed criteria. They are considered in the Room for Separation, Viewshed, and Historic Impact Analysis. |
| Coronado Heights is bordered on one side by Glenn Road. | |
| # Glenn Road is identified on your project map as a "Link Segment". | No, Glenn was removed from consideration prior to the formation of any routes. |
| Is TEP planning on the further use of Glenn Road for the Kino to DeMoss-Petrie Transmission Line Project? | |
| # You have utilized many "outside consultants ". Shouldn't the people who live in these neighborhoods have a much, much heavier weighted value than these outside consultants who only do the work they were paid to do. We live here. This is our lives you are talking about. Outside consultants don't care about the decreased value of our homes. | Outside consultants are experts in the resource fields that they prepared studies for. The public and community working groups informed TEP of which of those criteria that were studied were the most important and weighted the criteria accordingly. |
| # It seems that many of the weighted factors considered were skewed to favor the Campbell route because the presence of the UA Mall from 6th St to Speedway. No historic structures, residences, visuals, etc. for that entire distance on the west side of Speedway (assume caller meant Campbell). Can you comment? | Results for four of the criteria (historic, viewshed, cultural, and biological) were determined by independent outside consultants only looking at one criteria. Five of the criteria (land use, cultural resources, biological resources, ability to construct, and floodplain) all scored 3, so were a wash. Three of the criteria are based solely on actual percentages or numbers within the corridor buffer (ability to use road right-of-way, residential, sensitive receptors). Only the cost and room for separation, both of which are weighted one were determined based on TEP's knowledge of these subjects. All scores were brought together following the completion of the different analyses and then totaled. |
| Thank you all for clearly explaining all the details! I vote for choice 1-D, keeping the towers on larger busy streets, where they belong, like Campbell & Grant Road. # They overwhelm the sense of place on streets where our historic homes reflect both the Tucson and U of A community heritage. | Thank you for your comment. It will be included in Exhibit J of the ACC CEC application. |
| Appreciate the chance to comment! | |