

Project Information Open House

WELCOME

Presentation - 7:00 p.m.

THANK YOU!



Neighborhood Advisory Group Members

Armory Park – **John Burr**

Arroyo Chico – **Andrew Christopher**

Blenmann Elm – **Randy Hotchkins**

Broadmoor/Broadway – **Meredith Aronson**

Bronx Park – **Kristina Scholz**

Catalina Vista – **Hank Bogen**

Country-Glenn – **Sky Dominguez**

Dunbar Spring – **Deborah Tigue**

Feldman's – **Logan Havens**

Iron Horse – **Dan Dempsey**

Jefferson Park – **Colleen Nichols**

Keeling – **Michael DeSantis**

Miles – **Greg Clark**

North University – **Aaron Paxton**

Palo Verde – **Paula Chronister**

Richland Heights East – **Jim Cummins**

Rincon Heights – **Stacia Reeves**

Sam Hughes – **Nancy DeFeo**

Samos – **Barbara Miller**

South Park – **Sara O'Neil**

West University – **Chris Gans**

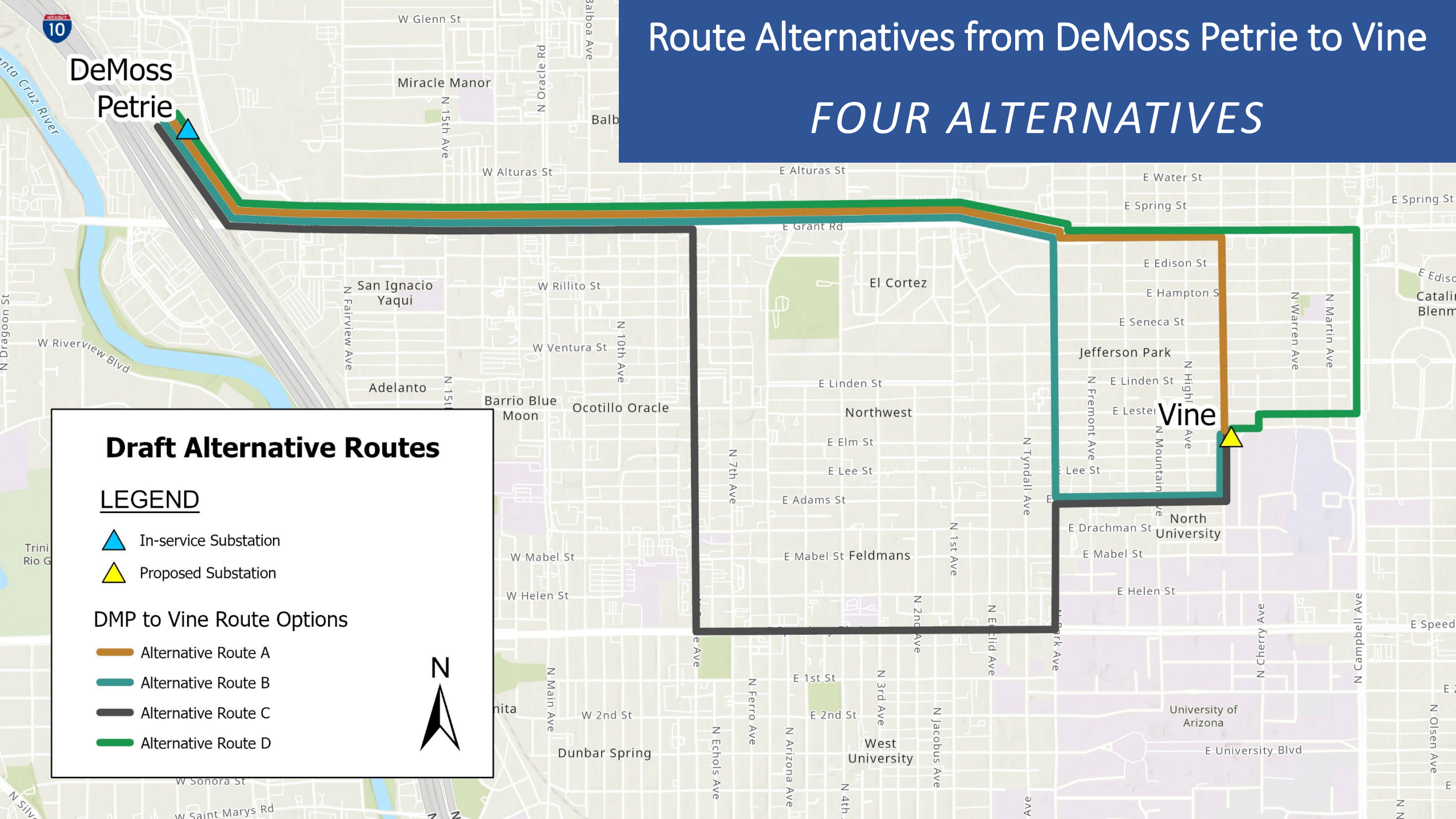
Criteria – Compatibility Analysis



- Impact on low-income and/or disadvantaged communities
- Cost of transmission line construction, including relocation/undergrounding of distribution lines
- Sensitive plant and wildlife species and/or habitat within the transmission line corridor
- Residential properties adjacent to transmission lines
- Historic properties and districts adjacent to transmission lines
- Impact on views near transmission lines
- Impact on the total environment
- Noise
- Communication signal interference
- Existing development plans
- Engineering feasibility and challenges
- Right-of-way acquisition
- Compliance with applicable ordinances, master plans and regulations
- Health and safety impacts
- Transit Impacts (Pedestrian, Public Transit, Traffic)
- Use of existing utility corridors
- Impact on native lands
- Public/Stakeholder Feedback

Route Alternatives from DeMoss Petrie to Vine

FOUR ALTERNATIVES



Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation

DMP to Vine Route Options

-  Alternative Route A
-  Alternative Route B
-  Alternative Route C
-  Alternative Route D



Alternative Route A










DeMoss Petrie

Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan
- Kino to Vine Route Options**
-  Alternative Route A
-  OH Distribution to be Underground



Route Length

- 3.2 miles

Overhead Distribution

(to be moved underground)

- 0.5 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 5 lines, totaling 2.6 miles

Existing Overhead Utilities

- 2.0 miles (61%)

Alternative Route B










DeMoss Petrie

Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan
- Kino to Vine Route Options**
-  Alternative Route B
-  OH Distribution to be Underground



Route Length

- 3.5 miles

Overhead Distribution

(to be moved underground)

- 1.2 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 4 to 5 lines, totaling 5.1 miles

Existing Overhead Utilities

- 2.6 miles (74%)

Alternative Route C










DeMoss Petrie

Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan
- Kino to Vine Route Options**
-  Alternative Route C
-  OH Distribution to be Underground



Route Length

- 4.2 miles

Overhead Distribution

(to be moved underground)

- 0.5 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 5 lines, totaling 2.6 miles

Existing Overhead Utilities

- 1.3 miles (31%)

Alternative Route D










DeMoss Petrie

Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
 -  Proposed Substation
 -  Project Study Area
 -  Gateway Corridor Overlay Zone
 -  Historic Preservation Overlay Zone
 -  Neighborhood Preservation Overlay Zone
 -  University Area Plan
- Kino to Vine Route Options
-  Alternative Route D
 -  OH Distribution to be Underground



Route Length

- 3.8 miles

Overhead Distribution

(to be moved underground)

- 0.6 circuit miles

Overhead Communication

(to be moved underground or relocated)

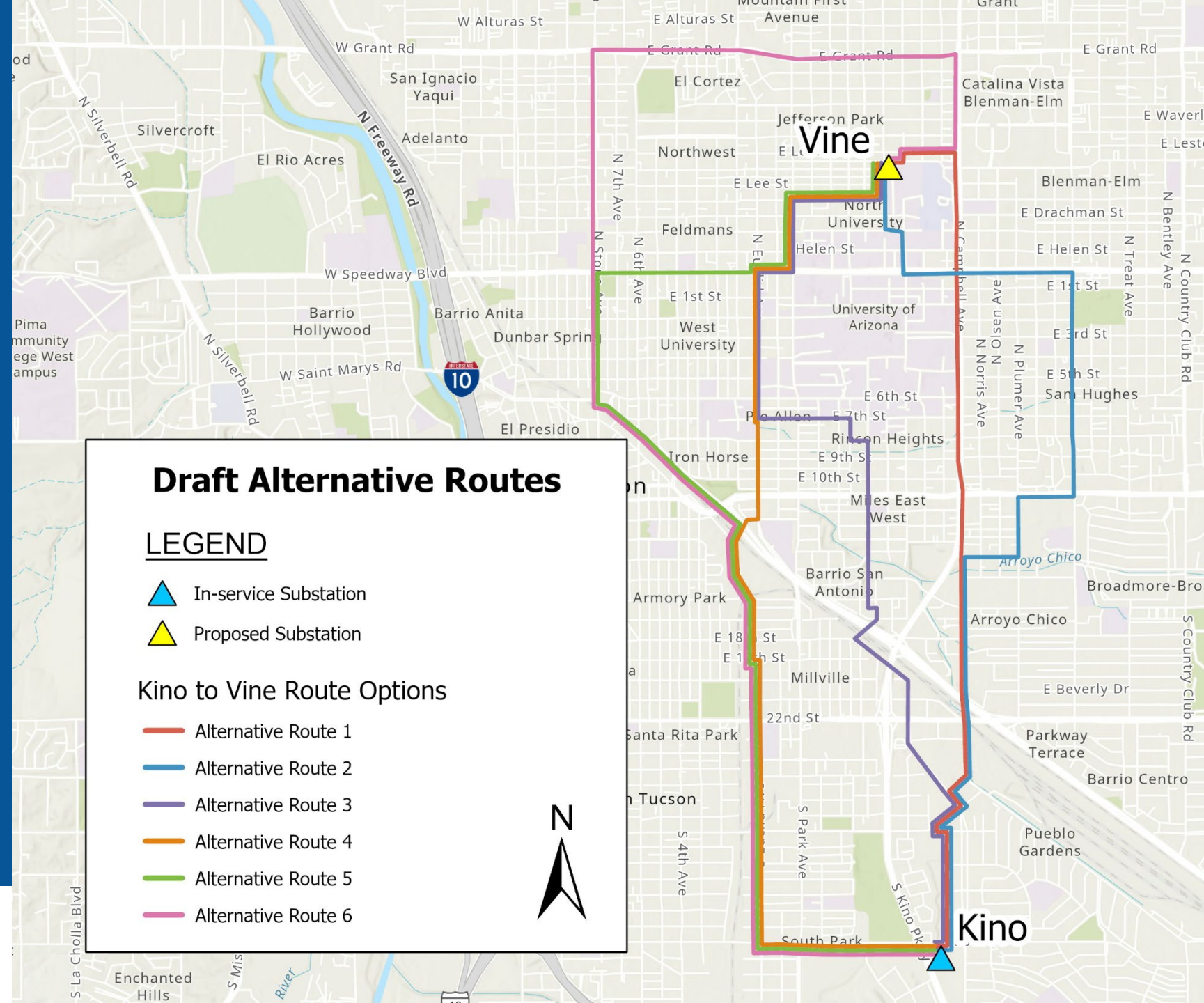
- 4 to 5 lines, totaling 2.9 miles

Existing Overhead Utilities

- 2.4 miles (63%)

Route Alternatives from Kino to Vine

SIX ALTERNATIVES



Alternative Route 1








DeMoss Petrie

Vine



Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan

Kino to Vine Route Options

-  Alternative Route 1
-  OH Distribution to be Underground



Route Length

- 4.1 miles

Overhead Distribution

(to be moved underground)

- 1.4 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 2 to 7 lines, totaling 6.0 miles

Existing Overhead Utilities

- 2.9 miles (71%)

Alternative Route 2










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Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
 -  Proposed Substation
 -  Project Study Area
 -  Gateway Corridor Overlay Zone
 -  Historic Preservation Overlay Zone
 -  Neighborhood Preservation Overlay Zone
 -  University Area Plan
- Kino to Vine Route Options
-  Alternative Route 2
 -  OH Distribution to be Underground



Route Length

- 5.1 miles

Overhead Distribution

(to be moved underground)

- 1.6 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 2 to 5 lines, totaling 5.2 miles

Existing Overhead Utilities

- 2.8 miles (55%)

Alternative Route 3










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Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan
- Kino to Vine Route Options**
-  Alternative Route 3
-  OH Distribution to be Underground



Route Length

- 5.0 miles

Overhead Distribution

(to be moved underground)

- 1.6 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 2 to 4 lines, totaling 4.6 miles

Existing Overhead Utilities

- 2.5 miles (45%)

Alternative Route 4








DeMoss Petrie

Vine



Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan

Kino to Vine Route Options

-  Alternative Route 4
-  OH Distribution to be Underground



Route Length

- 5.0 miles

Overhead Distribution

(to be moved underground)

- 1.2 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 2 to 4 lines, totaling 3.9 miles

Existing Overhead Utilities

- 3.3 miles (66%)

Alternative Route 5










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Vine

Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan
- Kino to Vine Route Options**
-  Alternative Route 5
-  OH Distribution to be Underground



Route Length

- 5.9 miles

Overhead Distribution

(to be moved underground)

- 0.5 circuit miles

Overhead Communication

(to be moved underground or relocated)

- 4 lines, totaling 2.0 miles

Existing Overhead Utilities

- 2.5 miles (42%)

Alternative Route 6








DeMoss Petrie

Vine



Kino

Draft Alternative Routes

LEGEND

-  In-service Substation
-  Proposed Substation
-  Project Study Area
-  Gateway Corridor Overlay Zone
-  Historic Preservation Overlay Zone
-  Neighborhood Preservation Overlay Zone
-  University Area Plan

Kino to Vine Route Options

-  Alternative Route 6
-  OH Distribution to be Underground



Route Length

- 7.6 miles

Overhead Distribution

(to be moved underground)

- 0.4 circuit miles

Overhead Communication

(to be moved underground or relocated)

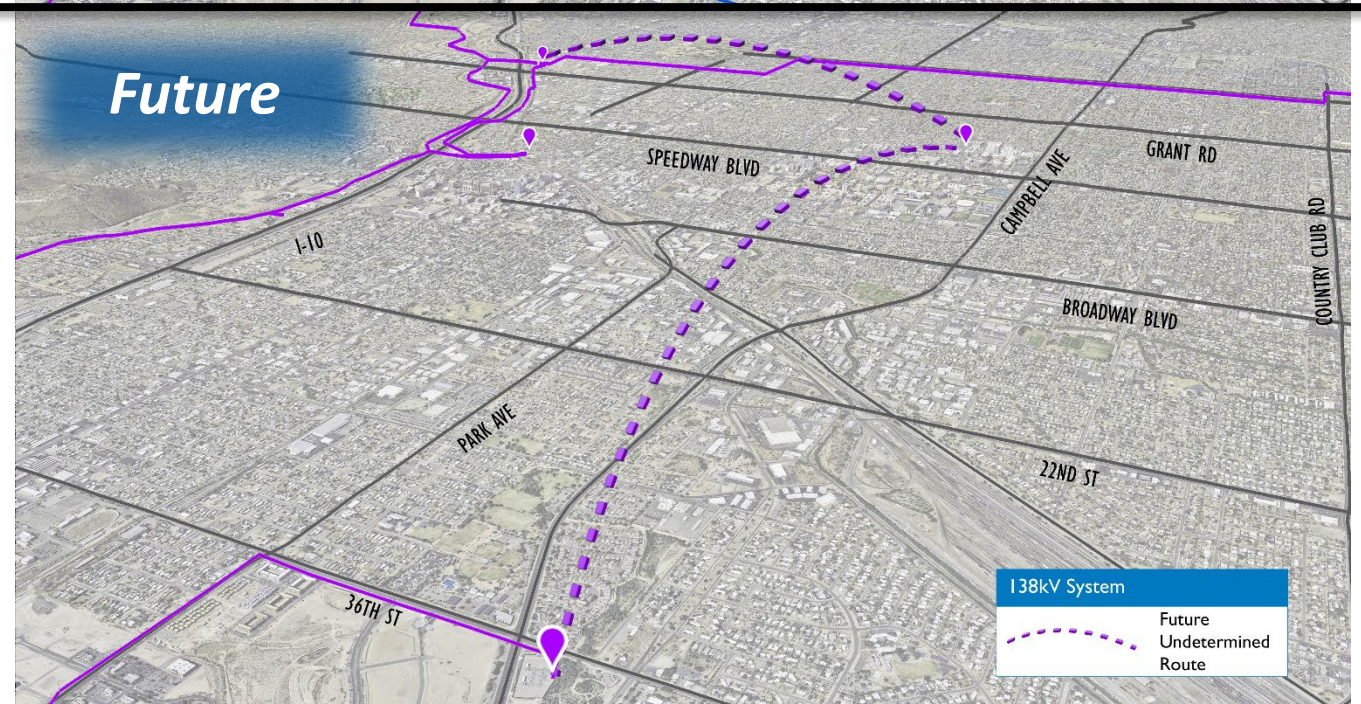
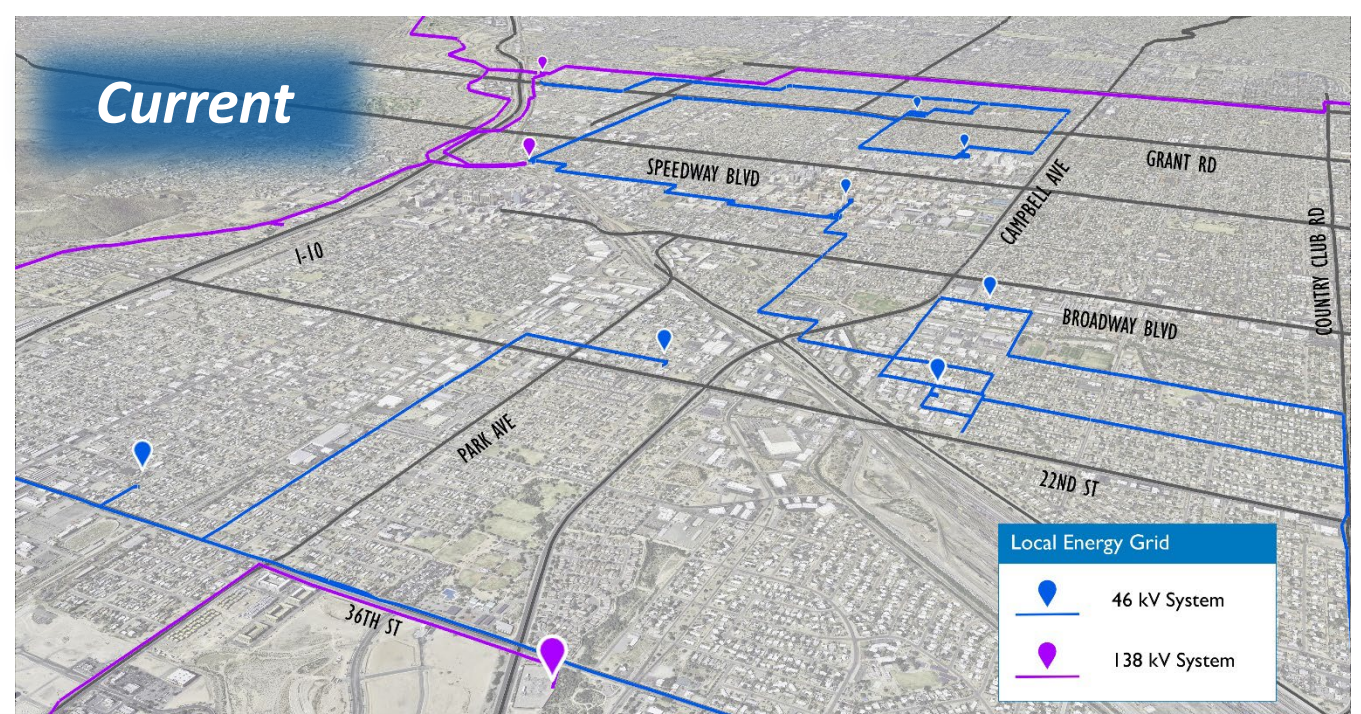
- 4 lines, totaling 1.5 miles

Existing Overhead Utilities

- 3.5 miles (46%)

Design Elements

- Fewer substations overall
- Fewer poles overall
- Single circuit structures where there are no existing 46 kV facilities
- Underground distribution and telecommunication cables along transmission line route
- Anti-graffiti finish on poles
- Neighborhood preference
 - Thinner/shorter structures
 - Pole finish options
 - Right-of-way enhancement



- Identify Preferred Route Alternatives
- Submit Application for a Certificate of Environmental Compatibility (CEC)
- Hearing – Arizona Power Plant and Transmission Line Siting Committee
- Decision to Approve/Deny CEC – Arizona Corporation Commission

Continued Opportunities to Participate

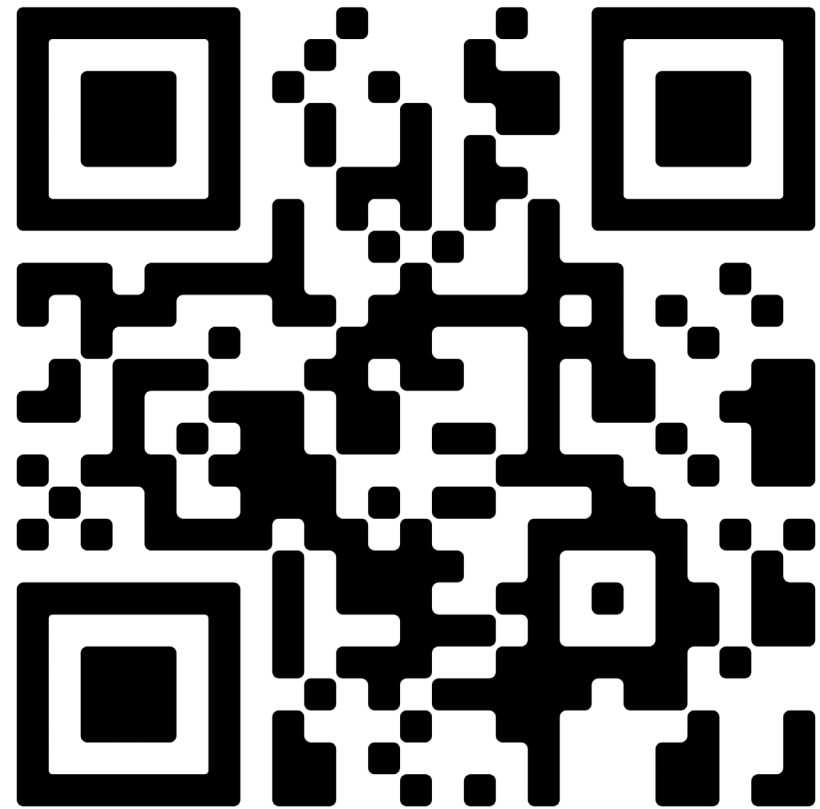
- Comments to TEP
- Comments to ACC (filed in Docket)
- Attendance at Hearing
- Public Comment at Hearing

Midtown Reliability Project



How to Comment

- Mail a comment form or a letter to:
P.O. Box 711
ATTN: Midtown Reliability
Mail Stop CB200
Tucson, AZ 85701-0711
- Complete online comment form
- Visit webpage tep.com/midtown
- Send comments to midtownreliability@tep.com
- Call 1-833-523-0887 and leave a voicemail message



Online Comment Form

Questions and Comments



PLEASE DO:

- Respect all people who are present.
- Be ready with a concise question/comment.
- Use a respectful tone and language.
- Be respectful of others while they speak.

Written Question Forms

- Fill out and hold form up

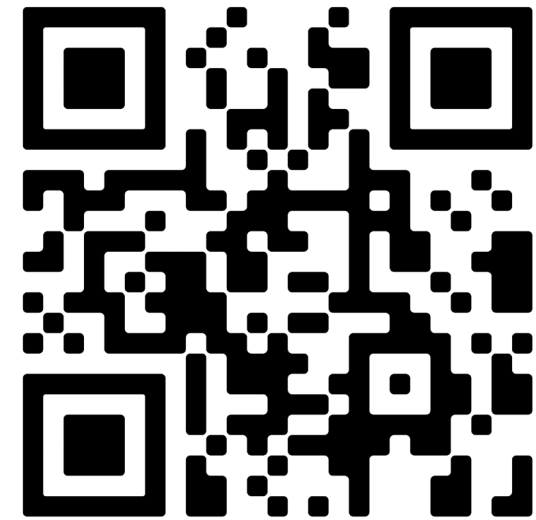
Verbal Questions/Comments

- Raise hand until called upon

Future Opportunities to Participate

- Comments to TEP
- Comments to ACC
- July 8-19, 2024* – Line Siting Hearing
- Q3 2024* – ACC Open Meeting
- Neighborhood Listening Session

Please Comment



Online Comment Form

Midtown Reliability Project



THANK YOU!



Tucson Electric Power