Webex Etiquette Guidelines

- Participants will be muted upon entering the Webex meeting
- If you have a question press *6 on your telephone and you will be unmuted
- After your question has been addressed press *6 again to mute your line again
- Thank you for helping us provide an accessible presentation for all attendees
AGENDA

1. Welcome & Introduction
2. Appropriations Review
3. Review Prepayment Projects
4. Prepayment Vote
5. 10-Year Plan Next Steps
Appropriations Review

- It is anticipated that WAPA will receive appropriations for constructions projects
- Due to the current continuing resolution, the amount of appropriations is to-be-determined
- The continuing resolution runs through December 11, 2020
- WAPA will have better information about the amount and availability of appropriations when a budget is passed
## Sources and Uses Fiscal Year 2021

<table>
<thead>
<tr>
<th>FY</th>
<th>ACTION</th>
<th>PROJECT NAME</th>
<th>SOURCES</th>
<th>USES</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Reprogram</td>
<td>Liberty Series Capacitor Bank Replacement</td>
<td>$ 393,500</td>
<td></td>
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<tr>
<td>18</td>
<td>Reprogram</td>
<td>Coolidge-Valley Farms 115-kV Rebuild</td>
<td>$ 393,500</td>
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<td>14</td>
<td>Reprogram</td>
<td>Gila Substation 161-kV Rebuild</td>
<td></td>
<td>$ 787,000</td>
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<table>
<thead>
<tr>
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<th>ACTION</th>
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<th>SOURCES</th>
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<tbody>
<tr>
<td>21</td>
<td>Proposed</td>
<td>Parker-Blythe 161-kV Rebuild</td>
<td>$ 41,961,000</td>
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<tr>
<td>21</td>
<td>Proposed</td>
<td>Yuma Area Maintenance Building</td>
<td>$ 6,100,000</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>FY21 Prepayment Totals</th>
<th>SOURCES</th>
<th>USES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$ 787,000</td>
<td>$ 48,848,000</td>
</tr>
</tbody>
</table>
Active Construction Project
Gila Substation 161-kV Rebuild
Gila Substation 161-kV Rebuild

Project Status
• Construction will continue through 2020 and into 2021

Remaining construction includes:
• Finishing and commissioning the new control building
• Finishing the remaining yard structures
• Tying in the transmission lines and end-to-end testing
• Some erosion repair will be required

Project Schedule

<table>
<thead>
<tr>
<th>PROJECT MILESTONE</th>
<th>STATUS</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>Seed Funded</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Approved for Funding</td>
<td>Completed</td>
<td>Q4 2014</td>
</tr>
<tr>
<td>Design Completed</td>
<td>Completed</td>
<td>Q2 2018</td>
</tr>
<tr>
<td>Construction Mobilization</td>
<td>Completed</td>
<td>Q4 2018</td>
</tr>
<tr>
<td>In-Service / Energization</td>
<td>Projected</td>
<td>Q4 2020</td>
</tr>
<tr>
<td>Financial Closeout</td>
<td>Projected</td>
<td>Q1 2022</td>
</tr>
</tbody>
</table>
Gila Substation 161-kV Rebuild

Cost Increases
• The budget increased between the 2019 Final 10-Year Plan meeting and the 2019 Prepayment Vote meeting due to modifications to the construction contract
• The budget increased in 2020 due to delays caused by COVID-19

Funding Change
• WAPA proposed a reprogramming of funding during the last meeting held October 28, 2020
• The $787,000 required to complete the project will be reprogramed from existing prepayment construction projects that are under budget
## Gila Substation 161-kV Rebuild

### 2020 Gila 161-kV Rebuild Financial Table

<table>
<thead>
<tr>
<th>FUNDING TYPE</th>
<th>ORIGINAL BUDGET</th>
<th>PRIOR BUDGET ADJUSTMENTS</th>
<th>CURRENT BUDGET</th>
<th>10% ADDITIONAL BUDGET</th>
<th>ADDITIONAL FUNDS REQUIRED</th>
<th>NEW BUDGET</th>
<th>COST TO DATE</th>
<th>REMAINING FUNDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepayment</td>
<td>$12,000,000</td>
<td>$8,602,845</td>
<td>$20,602,845</td>
<td>$787,000</td>
<td>$21,389,845</td>
<td>$19,110,000</td>
<td>$2,279,845</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$12,000,000</strong></td>
<td><strong>$12,283,858</strong></td>
<td><strong>$24,283,858</strong></td>
<td><strong>$787,000</strong></td>
<td><strong>$25,070,858</strong></td>
<td><strong>$22,791,013</strong></td>
<td><strong>$2,279,845</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Cost = All Executions, Obligations, & Commitments Through 9/30/20*
New Construction Project
Parker-Blythe 161-kV Rebuild
Parker-Blythe 161-kV Rebuild Need

• Degraded wood poles require replacement along 64-mile transmission line
  • ~880 out of 920 poles require repair or replacement
  • ~400 of those 880 have serious defects
• Phase-to-ground clearance violations require an engineering solution
• Repair and reclaim right-of-way access
• ~20% of the structures (100+) require dozer tow-in for access
• New fiber optic communication capabilities
Parker-Blythe 161-kV Rebuild

Replace all wood structures in-kind utilizing contractor labor, and add one OPGW:

- New insulators and hardware
- Perform in-kind replacement on all wood poles
- Install dead-end structures every 10 miles
- Mitigate all clearance violations
- Add optical overhead ground wire (OPGW)
- Repair/reclaim right-of-way access
- Design using 161-kV standards/specifications to match existing transmission line configuration
New Building Purchase
Yuma Area Maintenance Building
Yuma Area Maintenance Building Need

- **Repositioning Staff** – To better serve Yuma area customers, in 2016, WAPA repositioned a line crew at Gila Substation (~6 linemen & associated equipment)

- **Short Term Solution** – Since 2016, have been renting a mobile office trailer with poor quality and conditions. Purchased trailer in 2019 as stop gap measure.

- **Existing Facilities Shortcomings:**
  - Gila Substation lacks sufficient space to accommodate all employees
  - Septic system undersized for needs
  - Equipment is exposed to elements – premature failures
  - No wash bay to service vehicles
  - Limited storage for materials, tools, and equipment
  - Warehouse and shop – poor condition with sand penetration, undersized, and does not meet DOE code compliance
Yuma Area Maintenance Building

Purchase an existing facility in Yuma Area:

• Provide additional space for personnel nearby Gila Substation
• Preliminary inspections and assessments have taken place with regards to a specific location
• In the event purchase of the location that is currently being assessed does not occur, a facility with similar criteria would be pursued
Facility Description

Front Office Building
• 5,000 SF – two levels
• 1,500 SF Warehouse / Storage
• Security System and Gate
• Two Conference Rooms / Break Room

Warehouse Building
• 10,500 SF
• Two levels of office space
• Warehouse with 8 grade level, 16’ doors
• Three drive through bays
• Three bathrooms and one shower
• Insulated and Air Conditioned
• Breakroom and Wash Rack
Prepayment Vote
## Prepayment Vote

### Gila Substation 161-kV Prepayment Funding Plan

<table>
<thead>
<tr>
<th>PROJECT</th>
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<table>
<thead>
<tr>
<th>ADDITIONAL FUNDS REQUIRED</th>
<th>$ -</th>
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<tbody>
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<td>FUNDS AVAILABLE FOR REPROGRAMMING</td>
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<td><strong>NET INCREASE IN PREPAYMENTS</strong></td>
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### New Projects for Prepayment Vote

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10-Year Plan Next Steps
Upcoming AOA Studies

• Continued customer engagement about Analysis of Alternative (AOA) development will occur during each quarterly meeting
• The Crossman Peak AOA will continue through 2021
• New AOA initiatives will be shared for 2021
Next Steps

• WAPA will begin work on the new AOA studies
• The Active Construction meeting is tentatively scheduled for March 2021 and will focus on active construction project updates
  o This meeting will be an opportunity to share preliminary AOA study alternatives, seek feedback, and solicit additional potential alternatives
• Tentative meeting dates for calendar year 2021 will be forthcoming
Contacts

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