March 12, 2020

AGENDA FOR A STRATEGIC PLAN
SPECIAL MEETING WORKSHOP
OF THE BOARD OF DIRECTORS
OF THE PALMDALE WATER DISTRICT
to be held at the District’s office at 2029 East Avenue Q, Palmdale

THURSDAY, MARCH 19, 2020

4:00 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District’s office located at 2029 East Avenue Q, Palmdale. Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Pledge of Allegiance.
2) Roll Call.
3) Adoption of Agenda.
4) Action Items – Action Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)

4.1) Workshop, consideration, and possible action on Palmdale Water District’s 2020 Strategic Plan. (General Manager LaMoreaux/Dr. Bill Mathis, The Mathis Group)

5) Adjournment.

DENNIS D. LaMOREAUX, General Manager

DDL/dd
Recommendation:

Staff has no recommendation on this item.

Background:

The Strategic Plan serves as a guide for staff to set goals and projects throughout the year to meet the District’s mission of providing high quality water to current and future customers at a reasonable cost. Dr. Bill Mathis, The Mathis Group, will be reviewing 2020 goals, ideas, and roles at the Special Meeting Workshop.

Strategic Plan Initiative:

This work is part of Strategic Initiative No. 5 – Regional Leadership.

Budget:

There is no impact to the budget from updating the Strategic Plan.

Supporting Documents:

- Mathis Group Annual Report for 2020 Planning
- PWD 2020 Standing Committee Goals dated March 3, 2020 and Committee Appointments dated October 28, 2019
- PWD 2018 Strategic Plan approved January 2018
- Projects included in the 2019 Water Rate Study
- Projects proposed for 2020
Mathis Group

ANNUAL REPORT / 2020 PLANNING
MARCH 19, 2020
Facilitator - Dr. Bill Mathis

TO: Board of Directors, Palmdale Water District.
cc: Dennis LaMoreaux, GM

1. Strategic Plan Workshop to discuss:
   a. Staff and Board five-year goals.
      • Discuss completion and progress on goals for 2020 and which goals can we emphasize for 2020
   b. Regional Leadership planning activities.
   c. Review of Article 4 of the District’s Rules and Regulations regarding Board norms and the Board’s role in setting policy.
   d. Committee assignment and goals.

2. General Board consensus finds the Board is the most unified, effective and optimal to achieve major goals going forward.

3. Be supportive of Board members’ ideas for District improvements.

4. Discuss Board members’ leadership roles for 2020 in order to prevent surprises.

5. Individualized communication strategies for each Board member to fit individual styles and needs.
   • Discussion of useful pictures and activities that can occur before June 15 to highlight individuals or Board involvement, commitment to projects, goals, improvements and other highlights that elected can be credited with and an emphasis on:
     o Good use of resources – financial and planning
     o Efficiencies
     o Technology and innovation
     o Human Resources
     o Leadership

6. Clarify the GM’s goals to differentiate from strategic initiatives.
   • Discuss with Board on GM/AGM goals that will support new goals completion, workforce cooperation, and effective management

7. TOPIC: How do we take advantage of the "Best working Board potential in years?"
<table>
<thead>
<tr>
<th>RESOURCE AND FACILITIES:</th>
<th>PERSONNEL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Continue to be aware of evolving and</td>
<td>□ Continue training opportunities.</td>
</tr>
<tr>
<td>transitional technologies the District may need in the future.</td>
<td>□ Complete review of job descriptions for success planning.</td>
</tr>
<tr>
<td>□ Continue with project plans approved in the 2019 Water Rate Study with an</td>
<td>□ Completion of Emergency Management Plans and Guides.</td>
</tr>
<tr>
<td>□ Stay informed of regional partner technologies and continue working with</td>
<td>□ Continue Internship Programs.</td>
</tr>
<tr>
<td>area agencies to determine the next steps for mutual assistance in</td>
<td></td>
</tr>
<tr>
<td>the event of emergencies.</td>
<td></td>
</tr>
<tr>
<td>□ Review and monitor timeline for 2020 projects.</td>
<td></td>
</tr>
<tr>
<td>□ Review of Littlerock Reservoir Sediment Removal Project to ensure bids</td>
<td></td>
</tr>
<tr>
<td>are obtained for the sediment removal process.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FINANCE:</th>
<th>OUTREACH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Continue to refine staff’s financial reports to be more efficient and</td>
<td>□ As a regional organization, continue to ensure outside organizations</td>
</tr>
<tr>
<td>concise.</td>
<td>within the District’s boundaries are aware the District is available</td>
</tr>
<tr>
<td>□ Develop and complete the annual budget in a timely manner.</td>
<td>to offer water-related information and assistance.</td>
</tr>
<tr>
<td>□ Maintain transparency in the District’s finances.</td>
<td>□ Provide continuing education on the District’s water rate structure.</td>
</tr>
<tr>
<td>□ Continue financial education through webinars and other sources.</td>
<td>□ Develop a brochure regarding water industry jobs and required classes</td>
</tr>
<tr>
<td></td>
<td>and certifications for these jobs for presentation to Human Resources</td>
</tr>
<tr>
<td></td>
<td>Departments of area high schools and community colleges in addition</td>
</tr>
<tr>
<td></td>
<td>to continuing the Junior Water Ambassador Academy and school</td>
</tr>
<tr>
<td></td>
<td>presentations, including the Water Conservation and Education Garden.</td>
</tr>
<tr>
<td></td>
<td>□ Continue plans for educating the public on emergency preparedness.</td>
</tr>
<tr>
<td></td>
<td>□ Review of Strategic Plan initiatives regarding outreach.</td>
</tr>
</tbody>
</table>
### PWD 2019 STANDING COMMITTEES AND APPOINTMENTS – 10-28-19

<table>
<thead>
<tr>
<th>RESOURCES AND FACILITIES:</th>
<th>PERSONNEL:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director Mac Laren, Chair</td>
<td>Director Diz Mang, Chair</td>
</tr>
<tr>
<td>Director Alvarado</td>
<td>Director Mac Laren</td>
</tr>
</tbody>
</table>

**GOAL: To Ensure Reliable Water Sources, Facilities and Equipment**

**Assignments:**
1. Water System Master Plan and Asset Management
2. Recycled Water System
3. Water Supply Portfolio Diversification
4. Source Water Management
5. Water and Energy Conservation and Education Programs
6. Operation Resiliency and Safety

<table>
<thead>
<tr>
<th>FINANCE:</th>
<th>OUTREACH:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director Diz Mang, Chair</td>
<td>Director Wilson, Chair</td>
</tr>
<tr>
<td>Director Wilson</td>
<td>Director Alvarado</td>
</tr>
</tbody>
</table>

**GOAL: To Ensure and Maintain Financial Stability**

**Assignments:**
1. Grant funding
2. Five-year Water Rate Plan
3. Payment options
4. Budget and audit
5. Investments and reserves
6. Developer fees

<table>
<thead>
<tr>
<th>BOARD LIAISONS:</th>
</tr>
</thead>
</table>

The Board President shall act as and/or appoint Liaisons to various functions and organizations to represent PWD.

- **AVEK**  
  Director Dino

- **Fin & Feather Club**  
  Director Alvarado

**The Board President shall appoint Ad Hoc Committees from time to time and reconstitute such committees as the need arises.**
Dear PWD Customer:

It is with true pride that Palmdale Water District (PWD) is celebrating 100 years of providing high-quality water at an affordable cost to our community. PWD has grown exponentially since its inception in 1918 when agricultural farmland was the primary customer. Today, we serve more than 115,000 individuals, who rely on us to ensure that the water they receive in their homes and businesses is safe, clean and reliable.

California's water issues are complex, and competition for this precious, finite natural resource will only increase in coming years. Like we have done for 100 years, PWD continues to plan for the future to ensure that our community's water supply is properly managed so that long-term water needs will be met. We strive to responsibly expand our water portfolio through groundwater recharge projects, increasing reservoir capacity and complex negotiations for water rights.

As we move forward toward our second century of service, the PWD Board members and staff are committed to keep providing you with the best customer care, lowest rates possible and conservation practices to save money.

The Board works very closely with staff to plan and execute short- and long-term goals to make sure that our water supply and reliability is solid for our existing and future customers. These six initiatives, known as the 2018 Strategic Plan, will guide us to achieve our collective goal of serving you better.

Thank you for being an important part of our first 100 years of service. We look forward to another century of providing you with clean and affordable water, and contributing to Palmdale's history!

Regards,

Vincent Dino
PWD Board President

Dennis L. Laboreaux
General Manager

2029 East Avenue G, Palmdale, California 93550
paldalewater.org

CONTACT US
Monday - Thursday 8:00 am - 6:00 pm
661-947-4311 Phone
661-947-8604 Fax
661-947-4114 After Hours
555-459-9959 Day by Day, 24/7

STRATEGIC PLAN
ADOPTED JANUARY 2018
2018 STRATEGIC PLAN

Strategic Initiative No. 1 – Water Resource Reliability:
- Complete the 2018 phase of the Upper Amargosa Creek Recharge Project
- Ensure Palmdale Recycled Water Authority to be fully operational by year 2020
- Adopt new state-of-the-art water treatment technologies
- Implement the Antelope Valley Groundwater Adjudication agreement
- Complete the grade-control structure for the Littlerock Reservoir Sediment Removal Project
- Continue the next phase towards the completion of Palmdale Regional Groundwater Recharge and Recovery Project
- Identify and pursue opportunities to increase the reliability of water supply

Strategic Initiative No. 2 – Organizational Excellence:
- Offer competitive compensation and benefits package to promote employee retention
- Focus Succession Planning Program on ensuring an overlap of training for key positions
- Continue providing transparency to our ratepayers
- Promote and support leadership training and professional development programs to enhance the District’s customers’ experience

Strategic Initiative No. 3 – Systems Efficiency:
- Implement 2016 Water System Master Plan
- Develop a five-year Infrastructure Revitalization Plan to continue the reinvestment and preventative maintenance for aging infrastructure
- Explore energy independence
- Continue being the industry’s leader on the use of Granular Activated Carbon (GAC)
- Research and test new technologies to increase efficiencies
- Improve safety and training for Directors, employees and customers
- Develop a crisis communications plan

Strategic Initiative No. 4 – Financial Health and Stability:
- Pursue additional grant funding for all District projects
- Adopt a sustainable and balanced rate structure to meet short- and long-term needs
- Create a five-year financial plan in conjunction with the 2019 Water Rate Plan
- Maintain adequate reserve levels, high-level bond rating, and financial stability

Strategic Initiative No. 5 – Regional Leadership:
- Enhance relationships with Antelope Valley partnerships, including local water agencies, Antelope Valley State Water Contractors Association and the Palmdale Recycled Water Authority
- Expand school water education programs
- Engage elected officials in water-related issues
- Continue offering career opportunities through the Internship Program
- Provide opportunities for local businesses to contract with the District

Strategic Initiative No. 6 – Customer Care, Advocacy and Outreach:
- Increase Customer Care accessibility through communication and feedback to enhance customers’ experience
- Evaluate, develop, and market additional payment options
- Be a point of communication for customers’ water-related public health concerns
- Develop the District’s Public Outreach Plan
- Increase public awareness of the District’s history and promote centennial anniversary

Mission Statement
Providing high-quality water to our current and future customers at a reasonable cost.
# PALMDALE WATER DISTRICT
## Calendar Year 2020+ Budget
### Deferred Capital & Plant Expenditures Project Summary

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Budget Requests (Not Committed)</th>
<th>Priority</th>
<th>Category</th>
<th>Project Type</th>
<th>Estimation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Asset/Infrastructure Related Expense</strong></td>
<td></td>
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<tr>
<td><strong>Pipeline Projects</strong></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td>P @ 10TH (LOCKHEED)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>187,000</td>
</tr>
<tr>
<td>2021</td>
<td>17TH FR P-4 TO P-8</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>352,800</td>
</tr>
<tr>
<td>2020</td>
<td>WELL 17 YARD PIPING</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>63,000</td>
</tr>
<tr>
<td>2020/2021</td>
<td>Pipeline Design</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>500,000</td>
</tr>
<tr>
<td>2020</td>
<td>2800 Zone Avenue P-8 from 32nd St to 37 St. (2,675 feet of 12&quot; Dia. Pipe)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>778,655</td>
</tr>
<tr>
<td>2020</td>
<td>Pipeline with Velocity Deficiency (23 feet of 20&quot; diameter 2800 Zone)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>11,246</td>
</tr>
<tr>
<td>2020</td>
<td>Sierra Hwy. Tie-In and Abandonment (Harold Streets)</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>142,000</td>
</tr>
<tr>
<td>2021</td>
<td>2800 Zone Avenue Q-6 between 125th East and 15th St. East (965 feet of 12&quot;)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>280,898</td>
</tr>
<tr>
<td>2021</td>
<td>Pipeline with Velocity Deficiency (56 feet of 16&quot; diameter 2950 Zone)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>37,240</td>
</tr>
<tr>
<td>2021</td>
<td>Ave. Q1, Q2, Q3, Q4, &amp; Q5 @ 5th St. E. Wtr Main Repl. (Spec 1603)</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>86,000</td>
</tr>
<tr>
<td>2021</td>
<td>Ave. Q14 and 15th Street East Water Main Replacement</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>56,700</td>
</tr>
<tr>
<td>2021</td>
<td>Ave. Q10 and 12th Street East Water Main Replacement</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>47,000</td>
</tr>
<tr>
<td>2021</td>
<td>Ave. P-12, Division, 2nd, 3rd, Stanridge Water Main Repl.</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>1,341,000</td>
</tr>
<tr>
<td>2022</td>
<td>25TH FR P TO P-8</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>825,000</td>
</tr>
<tr>
<td>2022</td>
<td>CAMARES @ 5</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>92,500</td>
</tr>
<tr>
<td>2022</td>
<td>2950 Zone 52nd St North and Fort Tejon Road (1.570 feet of 16&quot; Dia. Pipe)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>609,340</td>
</tr>
<tr>
<td>2022</td>
<td>Pipeline with Velocity Deficiency (1,350 feet of 24&quot; diameter 2800 Zone)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>787,376</td>
</tr>
<tr>
<td>2023</td>
<td>20TH FR P-8 TO Q</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>810,000</td>
</tr>
<tr>
<td>2023</td>
<td>Pipeline with Velocity Deficiency (516 feet of 20&quot; diameter 2950 Zone)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>250,533</td>
</tr>
<tr>
<td>2023</td>
<td>26th St, Rudall, &amp; 27th St @ Avenue Water Main Replacement</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>91,000</td>
</tr>
<tr>
<td>2024</td>
<td>FT TEJON</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>486,000</td>
</tr>
<tr>
<td>2024</td>
<td>3400 Zone Camarones Drive between Sierra Ancha Drive and Avenue S-14 (1.6)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>271,680</td>
</tr>
<tr>
<td>2024</td>
<td>Pipeline with Velocity Deficiency (231 feet of 24&quot; diameter 2950 Zone)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>134,627</td>
</tr>
<tr>
<td>2023</td>
<td>2950 Zone Avenue S-10 and 40 St. East (48 ft. of 8&quot; Dia. Pipe)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>9,315</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8,205,910</td>
</tr>
<tr>
<td><strong>Water Supply Projects</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>Recharge Project Design (PRGRGP) (3 years)</td>
<td>N</td>
<td>WS</td>
<td>Water Supply</td>
<td>3,000,000</td>
</tr>
<tr>
<td>2020</td>
<td>Annual Sediment Removal of 38,000 cubic yards (note potential grant cost is)</td>
<td>N</td>
<td>O&amp;M</td>
<td>O&amp;M Funds</td>
<td>3,000,000</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6,000,000</td>
</tr>
<tr>
<td><strong>Well Projects</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>WELL 23 Rehabilitation</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>180,000</td>
</tr>
<tr>
<td>2020</td>
<td>CL2 Monitoring @ Well Sites</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>110,000</td>
</tr>
<tr>
<td>2021</td>
<td>WELL 2 Rehabilitation</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>185,000</td>
</tr>
<tr>
<td>2020</td>
<td>WELL 3 Rehabilitation</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>190,000</td>
</tr>
<tr>
<td>2020</td>
<td>NaOCl Generator Replacement - (4 Wells)</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>265,000</td>
</tr>
<tr>
<td>2020</td>
<td>WELL 16 Rehabilitation</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>120,000</td>
</tr>
<tr>
<td>2021</td>
<td>WELL 33 Rehabilitation</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>185,000</td>
</tr>
<tr>
<td>2020</td>
<td>Brine Storage Tanks - Well Sites (Qty. 8)</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>130,000</td>
</tr>
<tr>
<td>2021</td>
<td>WELL/Booster Rehab 2021 - 2024</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>1,490,000</td>
</tr>
<tr>
<td>2024</td>
<td>Future WELL # 36 (2850 Zone, Capacity 2,150 gpm, head of 455 feet, refer to)</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>750,000</td>
</tr>
<tr>
<td>2024</td>
<td>New WELL # 28 on 70 St and Avenue S (2016 WSPM, Section 10)</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>646,858</td>
</tr>
<tr>
<td>2024</td>
<td>New WELL #27 on 70 St. north of WELL #25 (2016 WSPM, Section 10)</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>646,858</td>
</tr>
<tr>
<td>2024</td>
<td>New WELL #34 on 60th St. E and half-way between Ave. S and Ave. T (2016 V)</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>646,858</td>
</tr>
<tr>
<td><strong>Subtotal:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5,545,574</td>
</tr>
</tbody>
</table>
## Storage Tanks

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
<th>Priority</th>
<th>Category</th>
<th>Project Type</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>Booster Building Rehab (5-years schedule)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>175,000</td>
</tr>
<tr>
<td>2020</td>
<td>45th St. Booster #3 Zone 3000</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>25,000</td>
</tr>
<tr>
<td>2020</td>
<td>25th St. Booster #3</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>18,000</td>
</tr>
<tr>
<td>2020</td>
<td>45th St. Booster #3 Zone 2800</td>
<td>D</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>23,000</td>
</tr>
<tr>
<td>2022</td>
<td>Fire Pump Deficiency at Existing T-S Pump Station (Zone 3250)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>937,944</td>
</tr>
<tr>
<td>2023</td>
<td>Fire Pump Deficiency at Existing 5MG Booster Pump Station (Zone 3250)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
<td>689,982</td>
</tr>
<tr>
<td>2021</td>
<td>New Pump to 3600 Zone</td>
<td>N</td>
<td>NCP</td>
<td>New Capital</td>
<td>366,553</td>
</tr>
</tbody>
</table>

**Subtotal:** 2,235,479

## Water Treatment Plant Projects

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
<th>Priority</th>
<th>Category</th>
<th>Project Type</th>
<th>Cost</th>
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<tbody>
<tr>
<td>2020</td>
<td>Turbidimeter</td>
<td>N</td>
<td>RCP</td>
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<td>2020</td>
<td>AC Unit</td>
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<td>2020</td>
<td>Entry Buildings @ Filter and GAC Pipe Gallery Entrance</td>
<td>D</td>
<td>NCP</td>
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<td>2021</td>
<td>Hypo Generator</td>
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<td>2021</td>
<td>Influent Mag Meter 30&quot;</td>
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<td>Replacement Cap.</td>
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<td>2022</td>
<td>Sedimentation Basin Cleaning</td>
<td>N</td>
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<td>2022</td>
<td>Filter Influent Valve Replacements</td>
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<td>2022</td>
<td>TOC Analyzer</td>
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<td>2022</td>
<td>Septic Tank</td>
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<td>2023</td>
<td>Bathroom Remodel</td>
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<td>RCP</td>
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<td>WTP Kitchen Remodel</td>
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<td>2020</td>
<td>Effluent Vault Stair</td>
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<tr>
<td>2020</td>
<td>TX Plant GAC Staging Area Pavement</td>
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**Subtotal:** 3,595,000

## Project No. Priority Category Project Type

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<th>Project Type</th>
<th>Cost</th>
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<tbody>
<tr>
<td>2020</td>
<td>Vault/Large Meter (** 15/yr @ $7500/setup for 5 years**)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
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<td>2020</td>
<td>District Office - Stucco Repair &amp; Painting</td>
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<td>RCP</td>
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<td>Parking Lot Resurfacing (Main Office)</td>
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<td>Replacement Cap.</td>
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<td>Palmdale Ditch Improvements (5-years schedule)</td>
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<td>RCP</td>
<td>Replacement Cap.</td>
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<td>2020</td>
<td>District Office Fire System upgrade w/control panel changeout</td>
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<td>RCP</td>
<td>Replacement Cap.</td>
<td>42,000</td>
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<td>2021</td>
<td>Ware House Conversion to Office &amp; Fleet Shop Repairs</td>
<td>N</td>
<td>NRE</td>
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<td>2021</td>
<td>Carpet, Tile and Painting of District Building</td>
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<td>Parking Lot Re-Surfacing - Administration and N.O.B.</td>
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<td>Radio System for SCADA (4 year replacement schedule)</td>
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<td>Emergency Power to NOB</td>
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<td>Meter Replacement Program 2020-2021</td>
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<td>RCP</td>
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**Subtotal:** 2,891,500

## Equipment

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<tr>
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<th>Category</th>
<th>Project Type</th>
<th>Cost</th>
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<tbody>
<tr>
<td>2020</td>
<td>Replacement Diaphragm Pump (4 pumps)</td>
<td>N</td>
<td>NRE</td>
<td>Replace/New Equip.</td>
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<td>2020</td>
<td>Soft Starts (22 well &amp; 11 booster)</td>
<td>N</td>
<td>RCP</td>
<td>Replacement Cap.</td>
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<td>2020</td>
<td>Replacement Wackers - J Tamps (4-years schedule)</td>
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<td>NRE</td>
<td>Replace/New Equip.</td>
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<td>2020</td>
<td>Truck mounted welder for truck 115</td>
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<td>NRE</td>
<td>Replace/New Equip.</td>
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<td>2020</td>
<td>Radio System Upgrades for District</td>
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<td>Replacement Cap.</td>
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<tr>
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<td>Hydraulic Concrete Breaker w/attachment for skidsteer</td>
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<td>Replace/New Equip.</td>
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<td>Replace SCADAPack S2 with SCADAPack S75 (4-year schedule)</td>
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**Subtotal:** 2,891,500

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Pg. 2
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<th>Estimated Cost</th>
<th>Funding Category</th>
<th>Description</th>
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<td>2021</td>
<td>Cooling Unit for Fab Shop</td>
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<td>Radar Level Sensor (3 year roll-out)</td>
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<td>Littlerock Insertion Mag Meter @ Wall 5</td>
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<td>Replace/New Equip.</td>
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<td>2023</td>
<td>Engine Swap for efficiency @Wall 2</td>
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<td>Replacement Cap.</td>
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<td>2023</td>
<td>Trailed Hot Water Pressure Washer</td>
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<td>NRE</td>
<td>Replace/New Equip.</td>
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<td>2023</td>
<td>Hydraulic Post Hole Digger (Skid Steer Attachment)</td>
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<td>NRE</td>
<td>Replace/New Equip.</td>
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<td>2021</td>
<td>Bucket Truck (Looking at Lease Option)</td>
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<td>NRE</td>
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<td>2020</td>
<td>Trailer mounted vac/pressure washer</td>
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<td>NRE</td>
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<td>Outfit welding trailer</td>
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<td>V-24 1988 Crane - Newer Crane</td>
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<td>Cat C-7 enginer rehab (1 each year for total 2)</td>
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<td>Cat C-7 enginer rehab (2)</td>
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<td>Replacement Cap.</td>
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<td>Electric forklift for WTP</td>
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**Subtotal:** $3,350,500

### Vehicle Replacements

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<td>NRE</td>
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<td>2020</td>
<td>V-82 2004 PU - Traffic Control - Overload</td>
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<td>V-80 2003 PU</td>
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<td>V-110 2007 PU</td>
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<td>V-101 2007 Cat 420E Backhoe</td>
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<td>V-119 2008 Cat 420E Backhoe</td>
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<td>V-43 1990 Flatbed w/liftgate</td>
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<td>V-22 1996 PU</td>
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**Subtotal:** $965,000

### Safety

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<th>Description</th>
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</thead>
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<tr>
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<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
<td>2020</td>
<td>Ergonomic Retrofit of CC workstation w/Expert Evaluation</td>
<td>N</td>
<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
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<td>Studies &amp; Planning</td>
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<td>Little Rock Dam Stair</td>
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<td>Reservoir Top Safety Retrofit</td>
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**Subtotal:** $296,500

Pg. 3
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<tr>
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<td>CES</td>
<td>Studies &amp; Planning</td>
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<td>2020</td>
<td>Intranet Redesign</td>
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<td>CES</td>
<td>Studies &amp; Planning</td>
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<td>2020</td>
<td>Human Resources Information System</td>
<td>N</td>
<td>CES</td>
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<td>2020</td>
<td>Personnel Emergency Notification System</td>
<td>N</td>
<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
<td>2022</td>
<td>Citrix - Seamless apps across multiple platforms</td>
<td>D</td>
<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
<td>2020</td>
<td>Replace EOL Oasis recorder</td>
<td>D</td>
<td>NRE</td>
<td>Replace/New Equip.</td>
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<tr>
<td>2022</td>
<td>Data Center UPS System (Symmetrya)</td>
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<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
<td>2020</td>
<td>GIS enhancement (5-years Conversion)</td>
<td>N</td>
<td>CES</td>
<td>Studies &amp; Planning</td>
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<tr>
<td>2021</td>
<td>Data Warehousing</td>
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<td>Mass Communications</td>
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<td>Cameras for Dam &amp; Windmill</td>
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<td>2021</td>
<td>Gig to desktop/Infrastructure Refresh (4 years roll-out)</td>
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<td>CES</td>
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<td>Smart Meter Deployment</td>
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**Total Asset/Infrastructure Project Requests**

32,153,463

Bond Finance

17,979,717
## Operating Expense

### Plant Expenditures

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<tr>
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<td>CES Citrix - Seamless apps across multiple platforms</td>
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<tr>
<td>CES Data Center UPS System (Symmetra)</td>
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<td>CES Emergency Action Plan</td>
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<td>CES <strong>Ergonomic Retrofit of CC workstation w/Expert Evaluation</strong></td>
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<tr>
<td>CES Gig to desktop/infrastructure Refresh (4 years roll-out)</td>
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<td>CES GIS enhancement (5-years Conversion)</td>
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<td>CES Hazard Mitigation Plan</td>
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<tr>
<td>CES Human Resources Information System</td>
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<td>CES Intranet Redesign</td>
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<tr>
<td>CES Littlerock Sediment Removal - Permitting</td>
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<tr>
<td>CES <strong>Personnel Emergency Notification System</strong></td>
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<tr>
<td>CES PRGRRP - Construction &amp; Monitor Wells/Test Basin</td>
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<tr>
<td>CES PRGRRP - Consulting Services (Kennedy/Jenks)</td>
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<tr>
<td>CES Public Web Site Redesign</td>
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<td>CES System Valuation Study</td>
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# Current Year Acquisitions Property, Plant & Equipment

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<tr>
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<th>Priority</th>
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<th>Project Type</th>
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<td><strong>Pipeline Projects</strong></td>
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<td>WELL 12 YARD PIPING</td>
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<td>Pipeline with Velocity Deficiency (23 feet of 20&quot; diameter 2800 Zone)</td>
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<td>Sierra Hwy. Tie-In and Abandonment (Harold Streets)</td>
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<td>Annual Sediment Removal of 38,000 cubic yards (note potential grant cost share of $170,000)</td>
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<td>Brine Storage Tanks - Well Sites (Cty. B) (2 each year)</td>
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## Current Year Acquisitions Property, Plant & Equipment

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<th>Year</th>
<th>Project Budget Requests (Not Committed)</th>
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<th>Category</th>
<th>Project Type</th>
<th>Estimation</th>
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Current Year Acquisitions Property, Plant & Equipment

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<th>Year</th>
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<td>Asset/Infrastructure Related Expense</td>
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## Current Year Acquisitions Property, Plant & Equipment

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<th>Priority</th>
<th>Category</th>
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<th>Estimation</th>
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<tr>
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<td>Asset/Infrastructure Related Expense</td>
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## Current Year Acquisitions Property, Plant & Equipment

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<tr>
<th>Year</th>
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*Total Asset/Infrastructure Project Requests: 4,511,996*