2020 Water/Wastewater Capital Spend Plan Summit
AGENDA

- Safety Briefing – Joe Perez, Procurement Category Manager
- Welcome/Introductory Remarks – Aaron Zahn, JEA Managing Director/CEO
- Purpose – Deryle Calhoun, VP/GM Water/Wastewater Systems
- Overview of the Water/Wastewater spend plan strategy – John McCarthy, VP & Chief Supply Chain Officer
- Capital Expense Plan Overview – Sean Conner, Director, Project Engineering & Construction
- Contract Requirements: Bryan Dewberry, Manager, Project Controls
- Safety Requirements - Michael Evans, AREC Safety & Health
- Working with Procurement – Jenny McCollum, Director, Procurement Services
- Jacksonville Small & Emerging Businesses – Rita Scott, Manager, Jacksonville Small Emerging Business (JSEB) Programs
- Closing Remarks/Questions/Feedback: Deryle Calhoun/John McCarthy
- Networking – JEA staff and Vendors
Exit routes
Assembly Point
911
Security
Extinguishers
Hazards
Phones on silent
PURPOSE

- Approximately $1B of Capital Over Five Years
- Enhance Communication and Interaction with Engineers, Contractors and JSEB Firms
- Increase Number and Quality of Proposers and Bidders – Easier to Do Business
  - Few if any proposal presentations
  - Visit our facilities; talk to our managers
- Set Expectations for All Parties
  - Budget and Schedule are Key Metrics
  - Past Performance and Future Scoring
  - JEA’s Project Management – Give Feedback
John McCarthy
VP & Chief Supply Chain Officer
**STRATEGY**

**Importance to JEA**
(supply risk, project complexity, criticality, price volatility)

**Value to JEA**
(spend, value creation, impact on quality)

<table>
<thead>
<tr>
<th>VALUE</th>
<th>STRATEGIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid-size Projects ($2M-$5M) Repair &amp; Replacement Projects Capacity &amp; Growth Projects Meter Replacement</td>
<td>Large Projects ($5M-$50M) Large Diam. Pipe Program Galv. Pipe Program</td>
</tr>
<tr>
<td>Spend $45M/yr</td>
<td>Spend $157M/yr</td>
</tr>
<tr>
<td>Sourcing Plan Design-Bid-Build Aggregate Projects</td>
<td>Sourcing Plan CMAR, Design-Build, DBG, Program Management Aggregate Projects Attract Large National Vendors</td>
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</table>

<table>
<thead>
<tr>
<th>TACTICAL</th>
<th>IMPORTANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodity Chemicals Odor Control Technical Services Fleet</td>
<td>Plant Safety Improvements Interagency Development JSEB</td>
</tr>
<tr>
<td>Spend $2M/yr</td>
<td>Spend $19M/yr</td>
</tr>
<tr>
<td>Sourcing Plan Low Bid Leverage Spend</td>
<td>Sourcing Plan CMAR, Design-Build, Design-Bid-Build Increase vendor base</td>
</tr>
</tbody>
</table>

SEPTEMBER 2019

Attract Large National Vendors

Aggregate Projects

Sourcing Plan
CMAR, Design-Build, DBB, Program Management Aggregate Projects Attract Large National Vendors

Sourcing Plan
CMAR, Design-Build, Design-Bid-Build Increase vendor base
Sean Conner
Director, Project Engineering & Construction

SEPTEMBER 2019

Capital Expense Plan Overview
## Water/Wastewater 5-Year CAPEX

<table>
<thead>
<tr>
<th>Asset Category</th>
<th>Manager</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Treatment</td>
<td>Bradley Collier</td>
<td>$95,062</td>
<td>$120,473</td>
<td>$109,968</td>
<td>$67,518</td>
<td>$19,643</td>
</tr>
<tr>
<td>Water Treatment</td>
<td>Brian Phillips</td>
<td>$27,313</td>
<td>$37,683</td>
<td>$18,197</td>
<td>$10,816</td>
<td>$8,906</td>
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<tr>
<td>Delivery &amp; Collection</td>
<td>Beth DiMeo</td>
<td>$47,018</td>
<td>$47,303</td>
<td>$36,079</td>
<td>$14,552</td>
<td>$12,944</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td>$169,393</td>
<td>$205,459</td>
<td>$164,244</td>
<td>$92,886</td>
<td>$41,493</td>
</tr>
</tbody>
</table>

$ in 1,000

**Capital Expense Plan Overview**

SEPTEMBER 2019
## Wastewater Treatment Projects Starting in FY20

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Delivery Method</th>
<th>Status - % Complete</th>
<th>Project Estimated Value ($'s in 1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nassau Regional WRF - Expansion to 4 MGD</td>
<td>CMAR</td>
<td>Design - 5%</td>
<td>$43,091</td>
</tr>
<tr>
<td>4511 Spring Park Rd Lift Station</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$6,339</td>
</tr>
<tr>
<td>District II - 10800 Key Haven Bv - Class III/IV</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$4,667</td>
</tr>
<tr>
<td>District II - Robena Rd Booster WW PS</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$4,012</td>
</tr>
<tr>
<td>Monterey - 3254 Townsend Rd - Class III/IV - Pump Upgrade</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$3,931</td>
</tr>
<tr>
<td>Arlington East - 8751 Bayleaf Dr - Class III/IV - Pump Upgrade</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$3,823</td>
</tr>
<tr>
<td>Monterey - 5838 Pompano - Class III/IV - Pump Upgrade</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$3,056</td>
</tr>
<tr>
<td>District II - Pulaski Rd Booster WW PS</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$1,742</td>
</tr>
<tr>
<td>District II - 11308 Harts Rd - Class III/IV</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$1,716</td>
</tr>
<tr>
<td>Monterey - 7732 Merrill Rd - Class III/IV - Pump Upgrade</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$1,599</td>
</tr>
</tbody>
</table>
For subcontracting opportunities, contact the firms above

*Nassau Regional is the only CMAR contract that has not been advertised
<table>
<thead>
<tr>
<th>Project Name</th>
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<th>Status - % Complete</th>
<th>Project Estimated Value ($'s in 1000)</th>
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</thead>
<tbody>
<tr>
<td>Advanced Treatment System at Highlands WTP</td>
<td>PDB</td>
<td>Design - 0%</td>
<td>$16,708</td>
</tr>
<tr>
<td>RiverTown WTP - New 6.0 MGD WTP</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$15,606</td>
</tr>
<tr>
<td>Twin Creeks RW Storage Tank and Booster PS - R</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$11,231</td>
</tr>
<tr>
<td>Nocatee South RW Storage Tank and Booster PS - R</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$10,004</td>
</tr>
<tr>
<td>Greenland WTP - Expansion from 6.0 to 9.0 MGD</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$6,619</td>
</tr>
<tr>
<td>McDuff WTP - HSP Replacement - ENV</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$4,893</td>
</tr>
<tr>
<td>Norwood WTP - Rehabilitation</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$4,177</td>
</tr>
<tr>
<td>Lofton Oaks WTP - Improvements</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$3,544</td>
</tr>
</tbody>
</table>
### Delivery & Collection Projects Starting in FY20

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Delivery Method</th>
<th>Status - % Complete</th>
<th>Project Estimated Value ($'s in 1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th St W - Imeson Rd to Melson Ave - Trans - New - FM</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$12,555</td>
</tr>
<tr>
<td>Main St WTP - 1st St to Franklin St - Trans - New - W - ENV</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$9,785</td>
</tr>
<tr>
<td>Pages Dairy Rd - Felmor Rd to Chester Ave - Trans - WM</td>
<td>DBB</td>
<td>Design - 5%</td>
<td>$6,240</td>
</tr>
<tr>
<td>E 1st St Main St to E 4th St - Raw Water - New - W</td>
<td>DBB</td>
<td>Design - 90%</td>
<td>$4,933</td>
</tr>
<tr>
<td>Ponte Vedra Blvd 6&quot; Cast Iron Replacement</td>
<td>DBB</td>
<td>Design - 30%</td>
<td>$4,417</td>
</tr>
<tr>
<td>Gate Parkway to Burnt Mill Rd - Trans - R</td>
<td>DBB</td>
<td>Design - 60%</td>
<td>$2,841</td>
</tr>
<tr>
<td>Pritchard Rd - Old Plank Rd to Cisco Dr W - Trans - New - W</td>
<td>PDB</td>
<td>Starts FY20</td>
<td>$2,600</td>
</tr>
<tr>
<td>Owens Rd - Ranch Rd to Max Leggett Pkwy - New - W</td>
<td>DBB</td>
<td>Design - 100%</td>
<td>$1,867</td>
</tr>
<tr>
<td>LDP Program - Boulevard St FM &amp; WM Replacement</td>
<td>DBB</td>
<td>Design - 60%</td>
<td>$2,805</td>
</tr>
<tr>
<td>Mandarin Road Loop Connection - Trans - New - WM</td>
<td>DBB</td>
<td>Design - 0%</td>
<td>$284</td>
</tr>
</tbody>
</table>
- SIPS (Southside Integrated Pipe System)
  - Ensure CUP compliance
  - Increase water production capacity in the South Grid

- Wellfield Rehabilitation
  - Improve wellfield capacity, performance and water quality
  - Meet long-term water demands
  - Provide operational flexibility

- Large-Diameter Pipelines
  - Prioritize and design replacement of critical large-diameter pipes
  - Execute pipeline projects
CONTRACT REQUIREMENTS

- Invoicing
  - Monthly invoicing is the standard; getting better
  - Consistent invoicing is a must for accurate cash flow forecasting
  - Accruals
  - JSEB Reporting Requirements

- Schedule Requirements
  - All contracts have a schedule requirement; Primavera P6
  - More schedulers on JEA staff to assist with schedule review and helping those new to P6
  - Baselines and monthly updates; best practices

- Notification Requirements – 10 working days of event
  - Initiation of change by company
  - Changes to work schedule or time; time impact analysis
CONSTRUCTION SAFETY

- Brought onboard due to the large number of ongoing construction projects.

- Good Observations
  - Foreman over-seeing projects
  - Per-Job briefings being conducted
  - PPE being used (struggling with safety glasses)
  - Housekeeping

- Needs Improvement
  - Safety glasses
  - Barricading open holes (pedestrian safety)
  - Seat belt use when operating equipment
Jenny McCollum
Director, Procurement Services
WORKING WITH PROCUREMENT

- Procurement’s Role
  - Communications
  - Solicitations
  - Contract Execution
  - Vendor Performance

- Quarterly Reminders
SCORECARDS

- Engineering/Construction: Performance Criteria
  - Cost
  - Delivery and Support
  - Flexibility and Ease of Doing Business
  - Partnership and Innovation
  - Quality
  - Risk and Contract Compliance
  - Environmental Stewardship
  - JSEB Compliance
  - Safety
Available Project Spend

**AVAILABLE SPEND**

$65,000,000

**GOAL = 23%**

$15,000,000

**JSEB SPEND**

$15,919,452

- **QTR1 JSEB SPEND**
  - $4,954,883
- **QTR2 JSEB SPEND**
  - $4,192,422
- **QTR3 JSEB SPEND**
  - $4,524,815
- **QTR4 JSEB SPEND**
  - $2,247,332

Past 5 Years - JSEB Goal vs. Actual Spend

- **JSEB Goal**
- **JSEB Actual Spend**

SEPTEMBER 2019

JSEB Scorecard
FY19 Highlights
OPPORTUNITIES FOR JSEBs

- Asphalt Services
- Geotechnical
- Civil Engineering Services
- Concrete Services
- Construction Inspection/Services
- Architectural Services
- Well Drilling Services
- Environmental
- Grassing
- Surveying
- Hauling/Trucking Services
- MOT
- Material Supplier
- Painting
JSEB REQUIREMENTS

- Owner must either be a resident in Duval County for a minimum twelve (12) consecutive month period immediately preceding the JSEB application date OR have an established business headquartered in Duval County for a minimum of 3 years, and be a resident in Duval, St. Johns, Nassau, Baker or Clay County for at least one year.

- Personal net worth of $1,325,000 or less, excluding personal residence.

- 3 year average gross receipts do not exceed $12M.

- Own and control more than 51% of business.

- Be a for-profit and small business.

JSEB Application: COJ.net
NEW VENDOR & JSEB WORKSHOP

Rita Scott
Manager, Jacksonville Small Emerging Business Programs
Email: scotrl@jea.com
Phone: 904.665.6257

JSEB Program

DOING BUSINESS WITH

JE A

WHEN
3rd Thursday of the Month
@ 3 pm

WHERE
JE A
Customer Care Building—Bid Office
21 West Church Street, 1st Floor, Jacksonville, FL

RSVP
jeaaccounting@jea.com

WWW.JEA.COM/ABOUT/PROCUREMENT

WORKSHOP
Discuss Procurement:
• Opportunities
• Processes
• Teams
JSEB Program
Upcoming Events

BENEFITS
Potential New Vendors
JSEB Vendors
Small Businesses
Closing Remarks

Q&A

Deryle Calhoun
VP/GM Water/Wastewater Systems

John McCarthy
VP & Chief Supply Chain Officer
Networking