



JEA Engineering and Contractor Workshop

October 26, 2011



JEA Engineering and Contractor Workshop - Agenda

Welcome /Safety Briefing

Greg Perrine, VP Facilities & Logistics Services

Update on Infrastructure Projects

Ed Dendor, Director Projects

Cost & Schedule Management

Charles Bayless & Ann Freudenthal, Managers
Project Support & Controls

Update on Infrastructure Projects

Ed Dendor, Director Projects

ECS Project Work Review

- Bid Activity Last Quarter
- Future Bid Activity, next 12 months
 - First Half of FY 2012 (October '11 to March '12)
 - Engineering
 - Construction
 - Second Half of FY 2012 (April '12 to September '12)
 - Engineering
 - Construction



Bid Activity Last Quarter

Bid Activity Last Quarter –

Engineering:

- Plant (Electric, Water & Wastewater) -
 - None
- Substation/Transmission –
 - None
- Grid (Water & Wastewater) -
 - TWMP: Segment 2 – (Design/Build-Full Proposals), \$15M

Bid Activity Last Quarter –

Construction:

- Plant (Electric, Water & Wastewater) -
 - Greenland Energy Center Liquid Fuel Tank Addition, awarded to Caldwell Tanks, \$4.2M
 - Kennedy Generating Station Miscellaneous Demolition work:
 - Docks removal awarded to Hal Jones Contractors, \$176K
 - Misc Building removal awarded to Griffin Wrecking, \$ 31K
 - Buckman BNR, Grit removal & Turbo Blowers, low bidder is WPC Industrial Contractors, \$ 14.99M
- Substation/Transmission -
 - None
- Grid (Water & Wastewater) –
 - None



Future Bid Activity

What's planned for the next 6 months?

Future Bid Activity

10/01/11 – 3/31/12

Engineering:

- Plant (Electric, Water & Wastewater) –
 - Wellfield Work per Consumptive Use Permit (CUP), \$2M
 - Mandarin WRF Reclaimed Water High Service Pump Upgrade, \$120K
 - Fairfax Water Treatment Plant Reservoir Rehabilitation, \$100K
 - Arlington Water Treatment Plant Booster Pump Upgrade, \$180K
- Substation/Transmission -
 - Transmission Tower Modifications Blount Island – Fulton Cut Crossing, \$400K

Future Bid Activity

10/01/11– 3/31/12

Engineering, Continued

- Grid (Water & Wastewater) -
 - San Jose Phase-Out Force Main, \$100K
 - Riverside Ave. WM Rehab (include CEI), \$800K
 - JAX Heights WWT Phase Out, \$100K
 - Lincoln Villas Service Area 2, \$100K

Future Bid Activity

10/01/11– 3/31/12

Construction:

- Plant (Electric, Water & Wastewater) –
 - Brandy Branch Administration Building, \$380K
 - Northside Generating Station Unit I Condenser Piping Replacement EPC, \$1.3M
 - Northside Generating Station Potable Water System, \$800K
 - Kennedy Generating Station Diesel Fuel Oil system installation, \$250K
 - Kennedy Generating Station Chemical Waste Treatment System demolition, \$400K
 - Kennedy Generating Station #6 Fuel Oil System demolition, \$300K
 - Kennedy Generating Station Waterfront Structures Demolition, \$420K

Future Bid Activity

10/01/11 – 3/31/12

Construction, continued:

- Plant (Electric, Water & Wastewater) –
 - Wellfield Construction per CUP Requirements:
 - Wells Abandonment, \$1.6M
 - Construction of Aquifer Monitoring Wells, \$4.2M
 - Installation of Wetlands Monitoring Wells, \$200K
- Substation/Transmission -
 - Duval to JAX Heights 230kV Circuit Addition, \$4.7M
 - Firestone Substation 200 MVA Autotransformer Addition, \$500K

Future Bid Activity

10/01/11– 3/31/12

Construction, continued:

- Grid (Water & Wastewater) –
 - Royal Lakes Master Pump Station, \$1.1M
 - University Blvd. WWM Replacement, \$400K
 - Normandy Blvd WWM (Part I), \$300K
 - Royal Lakes Phase Out: JTB FM Replacement, \$500K
 - TWMP Segment I, \$3M
 - Lincoln Villas Service Area I connections, \$150K
 - Chilled Water Lines to JEA Tower & Customer Care Center, \$375K
 - North JAX FM Busch Dr. (Main St. to I-95), \$2M



Future Bid Activity

**What's in the queue for the remainder of
FY2012?**

Future Bid Activity

04/01/12– 9/31/12

Engineering:

- Plant (Electric, Water & Wastewater) –
 - Downtown Plaza III Parking Garage Curtain Wall Replacement, \$60K
- Substation/Transmission –
 - None
- Grid (Water & Wastewater) –
 - None

Future Bid Activity

04/01/12– 9/31/12

Construction:

- Plant (Electric, Water & Wastewater) –
 - Arlington East WWTP, UV Conversion, \$6.5M
 - Buckman Digesters 1 & 2 Cover Replacement, \$4M
 - Fairfax Water Treatment Plant Reservoir Rehabilitation, \$1.1M
 - Mandarin WRF Reclaimed Water High Service Pump Upgrade, \$1.2M
 - Arlington Water Treatment Plant Booster Pump Upgrade, \$1.8M
- Substation/Transmission –
 - JAX Heights Substation – Circuit 954 Addition, \$600K
 - Kennedy Substation T-14 Addition and T-12 Upgrade, \$1.2M

Future Bid Activity

04/01/12– 9/31/12

Construction, Continued:

- Grid (Water & Wastewater) –
 - TWMP Segment 3, \$3.8M
 - TWMP Segment 4, \$3.0M
 - TWMP Segment 5, \$4.0M
 - TWMP Segment 6, \$2.3M
 - San Jose Phase-Out Force Main, \$400K
 - San Jose WM & FM Replacement, \$600K
 - Carder St. FM, \$700K
 - Melvin St. WM, \$500K
 - Pulaski Road FM, \$900K
 - Lincoln Villas Service Area 2, \$1.5M

FY' 12 Summary of Plant, Substation/Transmission & Grid - Electric, Water & Wastewater Work

- October 2011 to March 2012:
 - Engineering: \$ 2,400,000
 - Construction: \$22,875,000
 - Total 1st half: \$25,275,000
- April 2011 to October 2012:
 - Engineering: \$ 60,000
 - Construction: \$34,100,000
 - Total 2nd half: \$34,160,000

**This Fiscal Year's total work is estimated at:
\$59,435,000**

Thank you for your continued interest and for calling the area directors and managers directly for the most current information. Their contact numbers are:

NAME	Position	Phone Number (all have 904-665 prefix)	Email Address (end in @JEA.com)
Edwin Dendor	Director of Plant & Facility Projects	6079	DENDEH
Margaret Limbaugh	Manager of Power Plant Projects	7334	LIMBMZ
Hai Vu	Manager of Water, Wastewater & Facility Projects	4028	VUHX
Don Cheatham	Manager of Greenland Energy Center Projects	8914	CHEADG
Dale Isley	Director of Substation & Transmission Projects	4715	ISLEDS
Vijay Burbure	Manager of Substation & Transmission Projects	6782	BURBVA
John Norse	Manager of Electric Grid Project Design	6074	NORSJW
Ken Talley	Manager of Electric Grid Project Construction	6092	TALLKM
Richard Rukab	Manager of Electric Protection Systems & Controls	4082	RUKARD
Robert Kermitz	Dir of Water & WW Grid, Joint & Development Projects	6318	KERMJR
Chuck Bond	Manager of TWMP Projects	6196	BONDCH
Carole Smith	Manager of Development Projects	4461	SMITCF
Bradley Collier	Manager of Water & Sewer Grid Projects	6493	COLLBW2
Jim Connolly	Manager of Construction Support Services	6313	CONNJM
Pete Sheridan	Manager of Joint projects (COJ, FDOT, JTA, JPA, Adjacent Counties)	7409	SHERPJ
Ann Freudenthal	Manager of Project Support and Controls	7655	FREUCA
Charles Bayless	Manager of Project Support and Controls	6304	BAYLCB

Cost and Schedule Management

Charles Bayless, Manager Project Support & Controls

Ann Freudenthal, Manager Project Support & Controls

ECS Project Controls

- Manager: Charles Bayless
- Main responsibilities
 - Capital project cost management
 - Project cost estimating

Project Cost Estimating

- Three full-time contract estimators
- Produce about 300 project estimates and revisions per year
- Aggregate value about \$700 million/year
- All “official” project estimates are produced in-house
- Developing an Estimating Manual to define JEA requirements for estimates

ECS Project Support

- Manager: Ann Freudenthal
- Main responsibilities:
 - Project Accounting & Payables
 - Project Scheduling

Closing

- Next meeting scheduled on Wednesday, April 25, 2012
 - Will continue until no longer desired
 - Contact Jeanne Ryan with suggested topics (ryanje@jea.com)
- Contact information
 - Jon Eckenbach – eckejp@jea.com 904-665-7895
 - Greg Perrine – perrgl@jea.com 904-665-7952
- Questions???

Follow-up information from questions asked during the workshop

- The City of Jacksonville (COJ) intends to implement Septic Tank Phase-Out projects related to TMDL credits. JEA and the COJ have an agreement in place where JEA will handle the design and construction of septic tank related projects for the COJ. The projects will be selected by the COJ based on their criteria, handed off to JEA, designed via the JEA QPL process, construction bid and managed by JEA. JEA is currently working with the COJ and their Program Manager to develop an implementation schedule for the various types of projects that this program may include.
- The correct date for the next workshop is Wednesday, April 25, 2012.