



***Recycled Water Distribution System
Construction Contracts Update***
DPU, Water Division

Capital Project Oversight Board Meeting ***February 6, 2017***

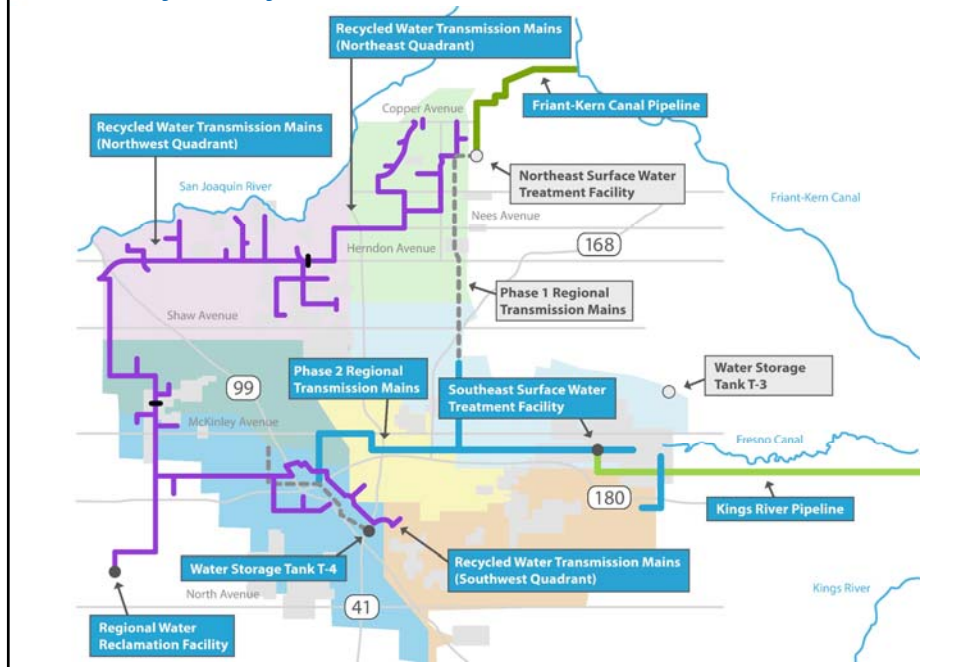
Discussion Topics



- ***Major Project Overview***
- ***Project/Contract Status and Construction Change Review***



DPU Major Projects



Ongoing and Near-Term Construction Contracts



Construction Contract	Bid	Award	NTP	Substan. Compl.
Friant-Kern Canal Pipeline	✓	✓	✓ May '16	Aug '17
Kings River Pipeline	✓	✓	✓ Jun '16	Dec '17
Southeast Surface Water Trmt Facility	✓	✓	✓ Dec '15	Jun '18
RTM Segment A1	✓	✓	✓ Aug '16	Mar '18
RTM Segment A2	✓	✓	✓ Nov '16	Feb '18
RTM Segment B	Mar '17	May '17	Jul '17	Dec '17
RTM Segment C	Apr '17	Jun '17	Aug '17	May '18
RWTM SW Quad Segment SW1A	✓	✓	✓ Oct '15	✓ Aug '16
RWTM SW Quad Segment SW1B	✓	✓	✓ Feb '16	Mar '17
RWTM SW Quad Segment SW1C	✓	✓	✓ May '16	Mar '17
RWTM SW Quad Segments SW1D/4	TBD	TBD	TBD	TBD

Discussion Topics



- **Major Project Overview**
- **Project/Contract Status and Construction Change Review**



Recycled Water Transmission Main – Segment SW1B



OVERVIEW

- 3.9 miles of 10-48 inch diameter pipeline
- Portion of RWTM system to convey recycled water from FCRWRF to irrigation users

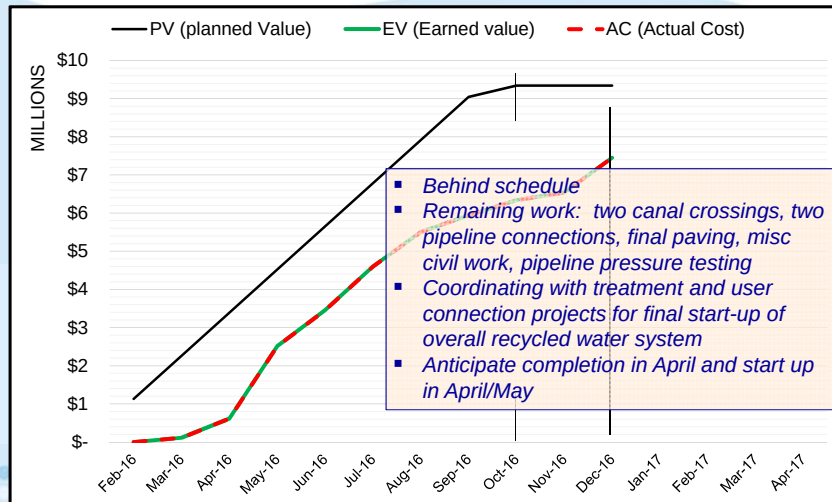
SCHEDULE

- Notice to proceed: 02/01/16
- Original duration: 255 days
- **Addl days: 0 change, 0 rain**
- Final completion: 10/12/16
- Time elapsed: 143%

CONTRACT VALUE

- Original contract: \$ 9,341,491
- Suppl budget: \$ 300,000
- **Change orders: \$ 0**
- Current contract: \$ 9,341,491
- Actual cost: \$ 7,450,359
- Percent spent: 80%

Recycled Water Transmission Main – Segment SW1B



PERFORMANCE INDICES (Favorable is > 1.0, Unfavorable is < 1.0)

Cost Performance Index, CPI = Earned Value / Actual Cost = 1.0

Schedule Performance Index, SPI = Earned Value / Planned Value = 0.8

Recycled Water Transmission Main – Segment SW1B



OVERVIEW

- 3.9 miles of 10-48 inch diameter pipeline
- Portion of RWTM system to convey recycled water from FCRWRF to irrigation users

NOTABLE PENDING/UPCOMING CHANGE ITEMS:

- Change Order 001 – FID Extended Irrigation Season: 21 days
- Significant cost and schedule issues:
 - Sequencing complexities related to traffic control and permitting
 - FID crossing complexities related to irrigation season coord & change
 - Contractor execution issues
 - Inclement weather

Recycled Water Transmission Main – Segment SW1C



OVERVIEW

- 1.6 miles of 24-36 inch diameter pipeline
- Portion of RWTM system to convey recycled water from FCRWRF to irrigation users

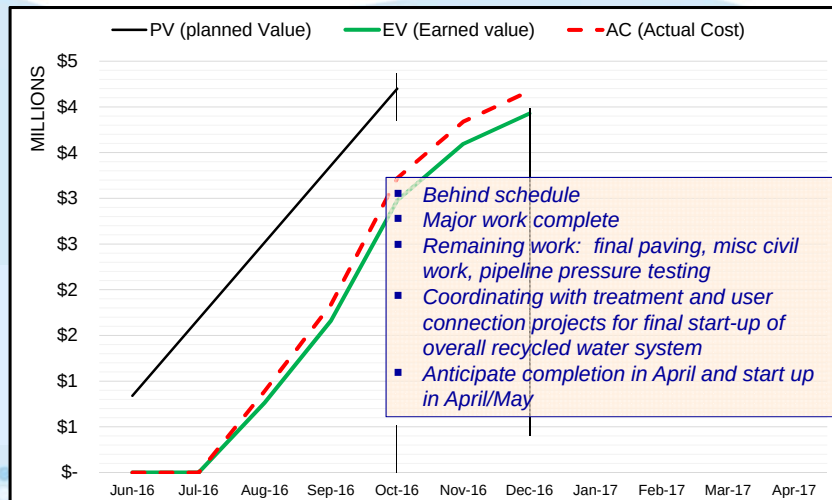
SCHEDULE

- Notice to proceed: 05/31/16
- Original duration: 155 days
- **Addl days: 0 change, 0 rain**
- Final completion: 11/01/18
- Time elapsed: 158%

CONTRACT VALUE

- Original contract: \$ 4,198,175
- Suppl budget: \$ 155,000
- **Change orders: \$ 269,718**
- Current contract: \$ 4,467,893
- Actual cost: \$ 4,173,642
- Percent spent: 93%

Recycled Water Transmission Main – Segment SW1C



PERFORMANCE INDICES (Favorable is > 1.0, Unfavorable is < 1.0)

Cost Performance Index, CPI = Earned Value / Actual Cost = 0.9

Schedule Performance Index, SPI = Earned Value / Planned Value = 0.9

Recycled Water Transmission Main – Segment SW1C



OVERVIEW

- 1.6 miles of 24-36 inch diameter pipeline
- Portion of RWTM system to convey recycled water from FCRWRF to irrigation users

NOTABLE PENDING/UPCOMING CHANGE ITEMS

- Significant cost and schedule issues:
 - Sequencing complexities related to traffic control and permitting
 - FID crossing complexities related to irrigation season coord & change
 - Contractor execution issues
 - Inclement weather

Questions

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