



Award 3 contracts for final stage of construction for the Treated Water Cross Connection Prevention Program

Engineering and Operations Committee
Item 8-2
January 10, 2011

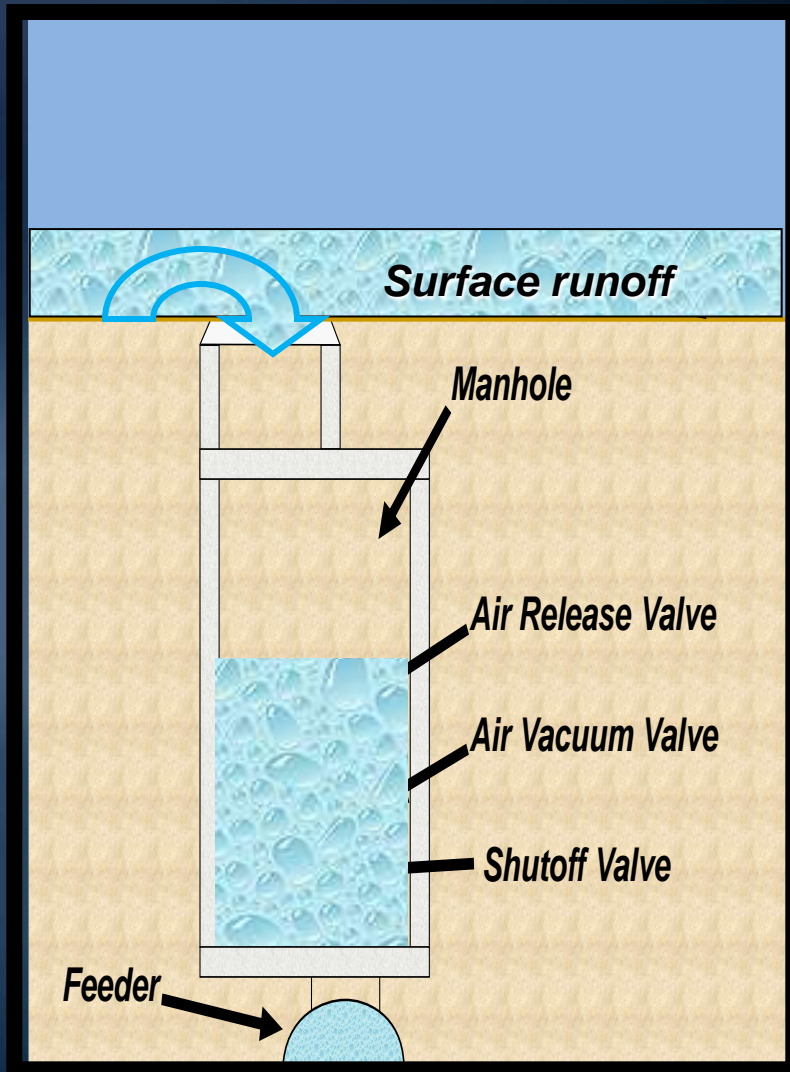
Current Action

- Appropriate \$5.9M in budgeted funds
- Award 3 construction contracts under Stage 4 of the Cross Connection Prevention Program
 - \$1,414,818 to EAR Engineering, Construction, & Support Services
 - \$1,167,535 to Cedro Construction, Inc.
 - \$1,289,178 to Environmental Construction, Inc.

Cross Connection Prevention Program

- Department of Public Health Compliance
 - Plan to modify 300 sites
- Stage 1 – 74 Sites
 - Complete
- Stage 2 – 79 Sites
 - Complete
- Stage 3 – 68 Sites
 - Construction Phase – 50% complete, scheduled to be completed by June 2011
- Stage 4 – 79 Sites
 - Construction Phase - Current and Final Action

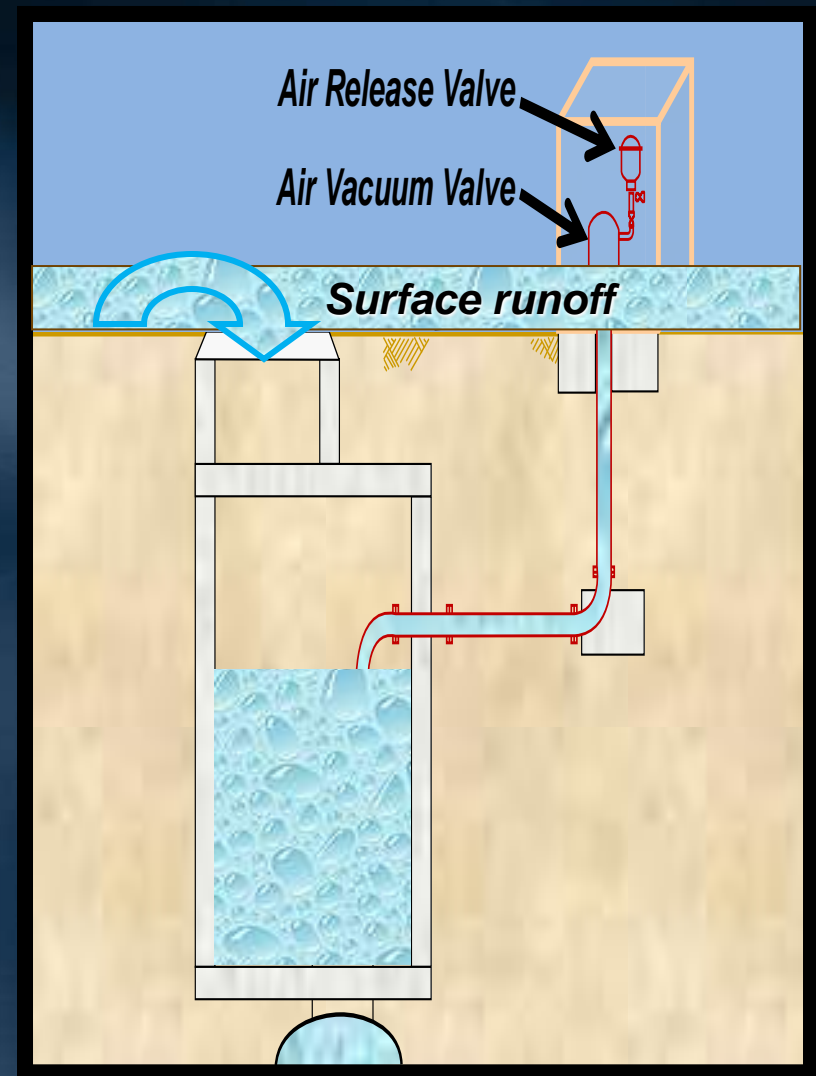
Cross Connection



- Cross connection occurs when non-potable liquid enters the treated water system
- Potential Cross Connections
 - Air release and air vacuum valves
 - Blowoffs
 - Air Stacks

CDPH Compliance Requirements

- Relocate vent opening of air release and air vacuum valves above high water level
- Provide air gap for blowoffs



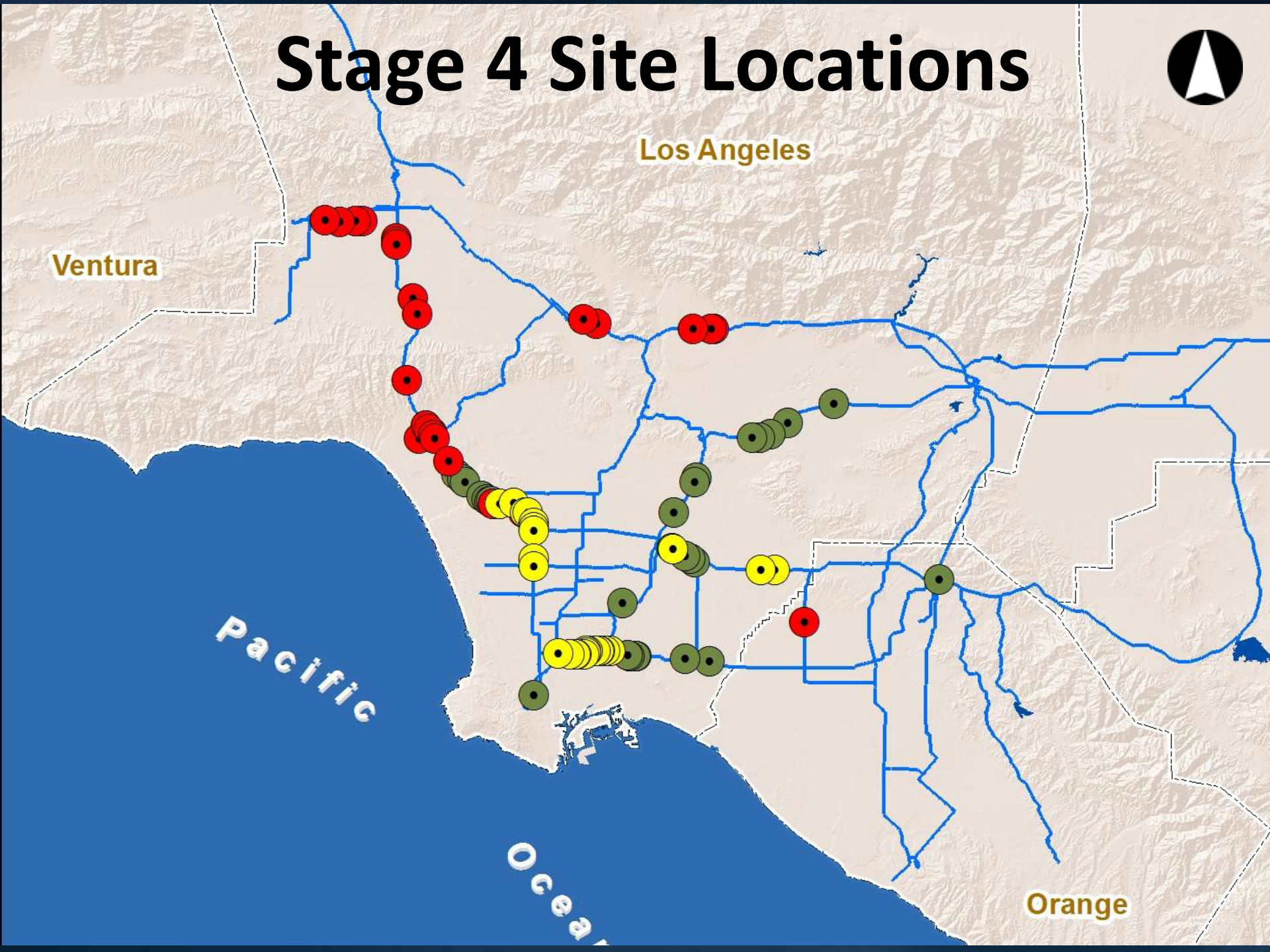
Relocated Air Release and Vacuum Valve Assembly



Design and Bidding Strategy

- Relocation of 300 sites divided into 12 bid packages (25 to 29 sites per contract)
 - Maintain operational flexibility
 - Enhance competition
 - Allow opportunities for Small Business Enterprises (SBE)

Stage 4 Site Locations



Bid Results – 10th Contract

Specifications No. 1624A - 28 sites

Bids Received:	December 1, 2010
No. of bidders:	8
Low bidder:	EAR Engineering, Construction, & Support Services
Low Bid:	\$1,414,818
Bid Range:	\$1.41M to \$1.82M
Engineer's estimate:	\$1.5M
SBE participation:	100%*

*SBE participation set at 30%

Bid Results – 11th Contract

Specifications No. 1626 - 25 sites

Bids Received:	November 17, 2010
No. of bidders:	14
Low bidder:	Non-responsive
Second low bidder	Cedro Construction, Inc.
Second Low Bid:	\$1,167,535
Bid Range:	\$1.17M to \$1.78M
Engineer's estimate:	\$1.3M
SBE participation:	100%*

*SBE participation set at 30%

Bid Results – 12th Contract

Specifications No. 1627 - 26 sites

Bids Received:	December 2, 2010
No. of bidders:	12
Low bidder:	Non-responsive
Second low bidder	Environmental Construction, Inc.
Second Low Bid:	\$1,289,178
Bid Range:	\$1.29M to \$1.85M
Engineer's estimate:	\$1.4M
SBE participation:	100%*

*SBE participation set at 30%

Requested Funds

Labor

Proj mgmt, agency coord, env monitor	\$	271,000
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Submittal review & record drawings	\$	269,000
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Construction inspection & support	\$	639,000
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Metropolitan force construction	\$	428,000
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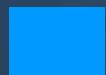
Incidental & Equipment Use	\$	22,000
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Contracts	\$	3,871,531
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Remaining budget	\$	399,469
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Total	\$	5,900,000
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Stage 4 Schedule



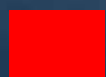
Prelim Design



Final Design



Construction



Shutdown



Board Action



Completion

Board Options

- Option #1

- Adopt CEQA determination
- Appropriate \$5.9M in budgeted funds
- Award Stage 4 construction contracts for
 - \$1,414,818 to EAR Engineering, Construction, & Support Services
 - \$1,167,535 to Cedro Construction, Inc.
 - \$1,289,178 to Environmental Construction, Inc.

- Option #2

- Do not award the contracts & re-advertise in an attempt to receive more favorable bids

Staff Recommendation

- Option #1

