



Weymouth Filter Rehabilitation

Engineering & Operations Committee

Item 8-2

April 13, 2015

Current Action

- Appropriate \$41,000,000
- Award \$31,762,914 contract to J. F. Shea Construction, Inc. to rehabilitate filters at the Weymouth plant
- Authorize increase of \$815,000 to agreement with MWH Americas
- Certify EIR for upcoming Weymouth projects

Distribution System



Project Location



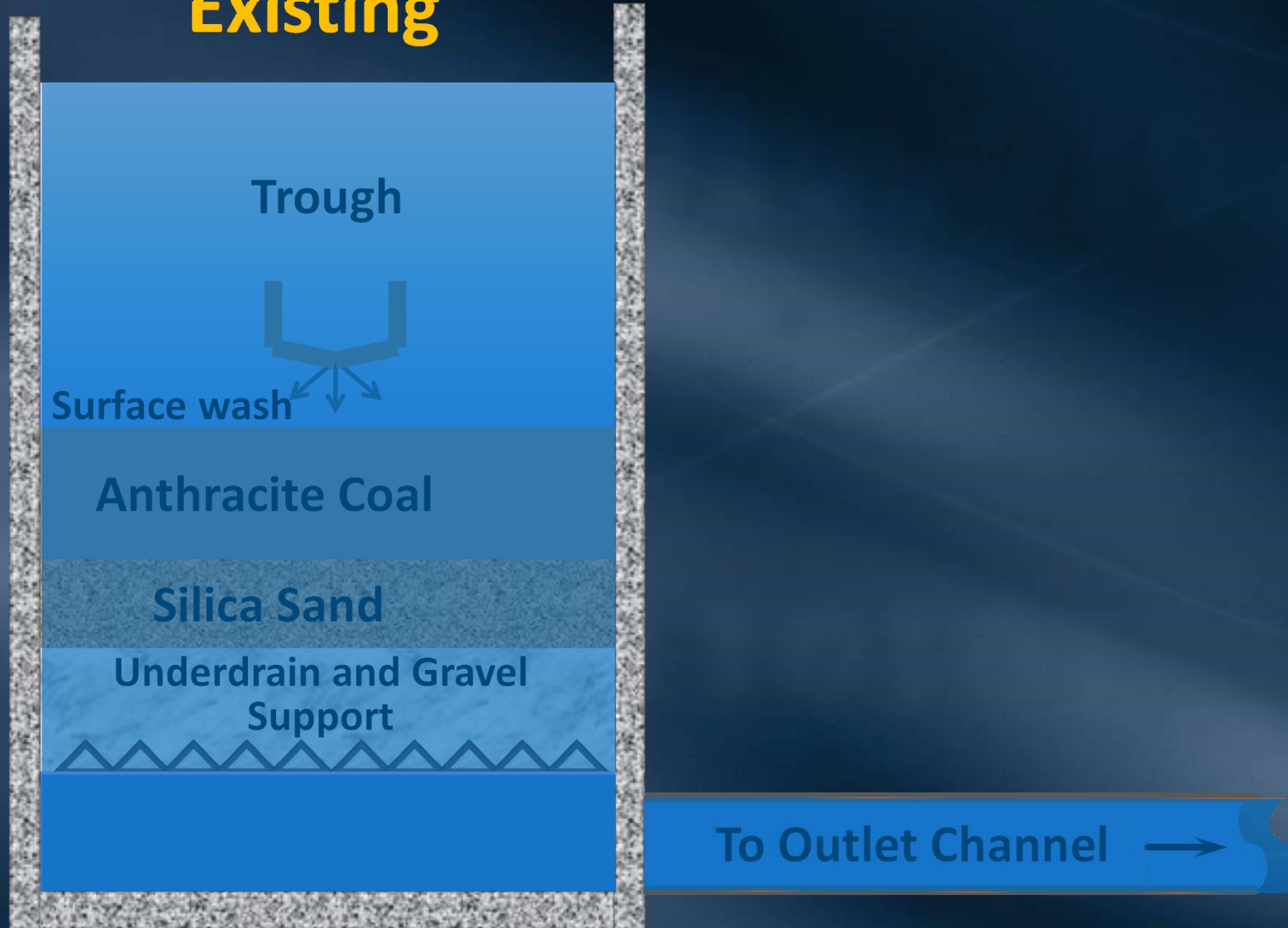
Background

- Filters designed 75 years ago do not provide robust performance needed today
- Internal components have deteriorated
- Full-scale evaluation of alternatives conducted



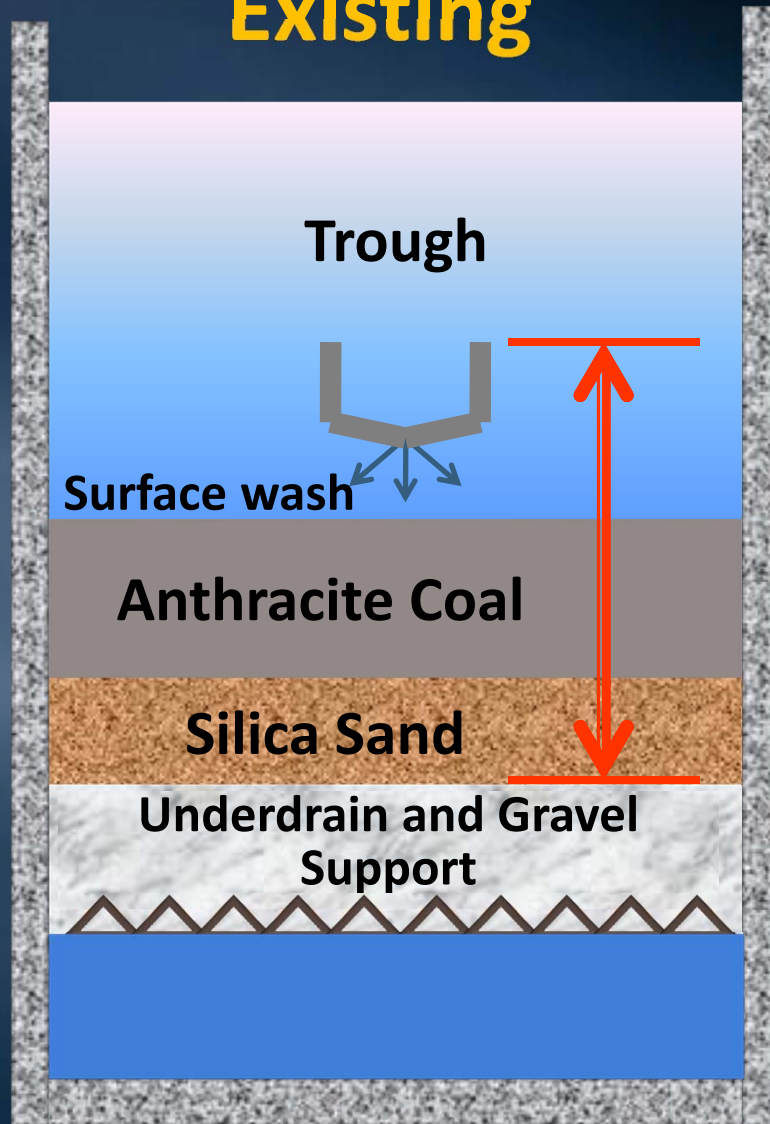
Filter Cross Section

Existing



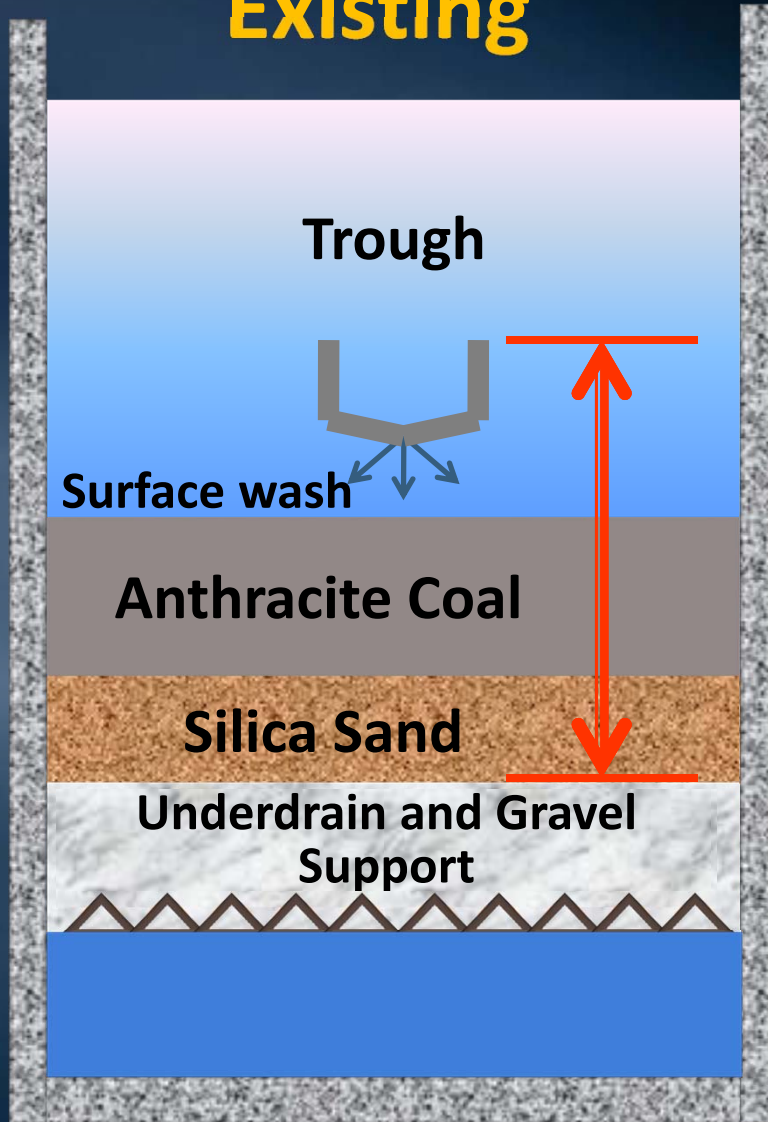
Filter Cross Section

Existing

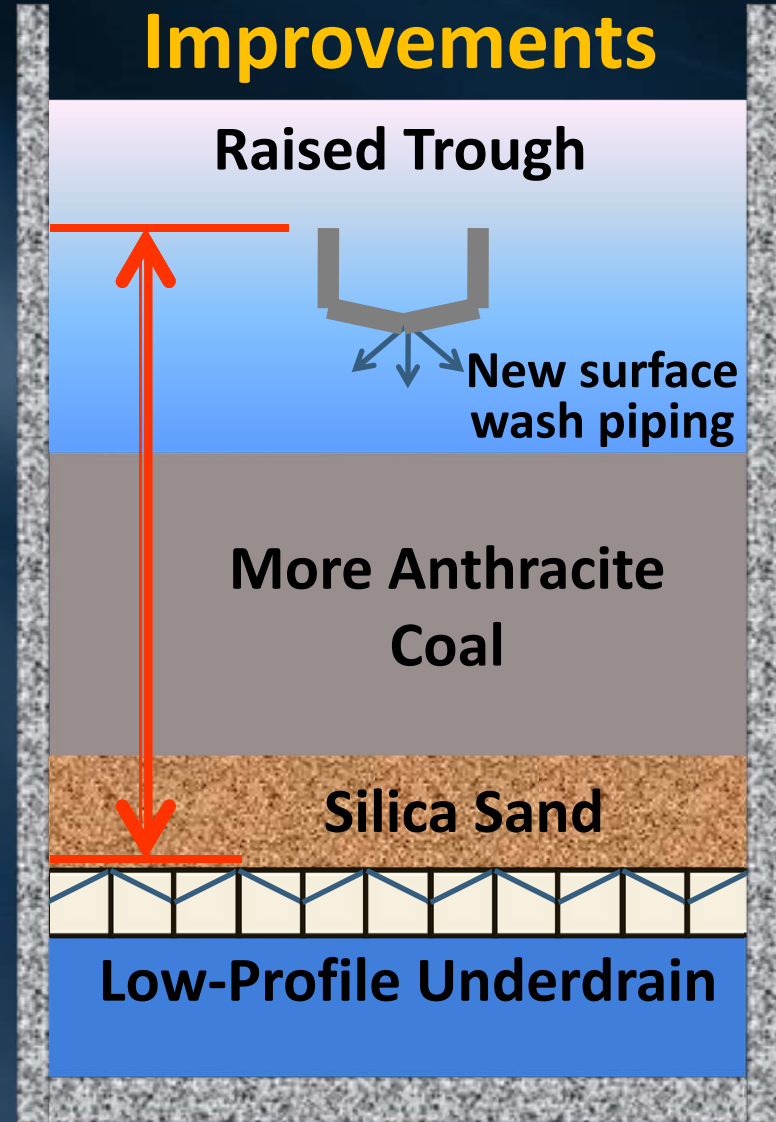


Filter Cross Section

Existing



Planned Improvements



1. Filter Rehabilitation Scope

- Contractor
 - Replace filter media, surface wash system & underdrains
 - Raise & replace troughs
 - Reinforce filter gullet walls
 - Repair drain chutes



1. Filter Rehabilitation Scope

- Metropolitan
 - Shutdown, disinfection & start-up
 - Water & media testing
 - SCADA integration
 - Construction mgmt.
- MWH Americas
 - Technical support
- Rincon Consultants
 - Env. monitoring



1. Filter Rehabilitation - Bid Results

Specifications No. 1777

Bids received:	February 10, 2015
No. of bidders:	10
Low bidder:	J. F. Shea Construction, Inc.
Low bid:	\$31,762,914
Range of other bids:	\$34.7 M to \$60.8 M
Engineer's estimate:	\$45 M
SBE participation*:	24.7%

* SBE (Small Business Enterprise) participation goal - 18%

1. MWH Americas – Agreement Amendment

- Engineer of Record
- Scope of work
 - Review submittals & respond to RFIs
 - Advise staff on tech. issues
 - Prepare record drwgs.
- SBE participation level - 12 percent
- Estimated cost of services - \$815,000
- New NTE total - \$2,090,000

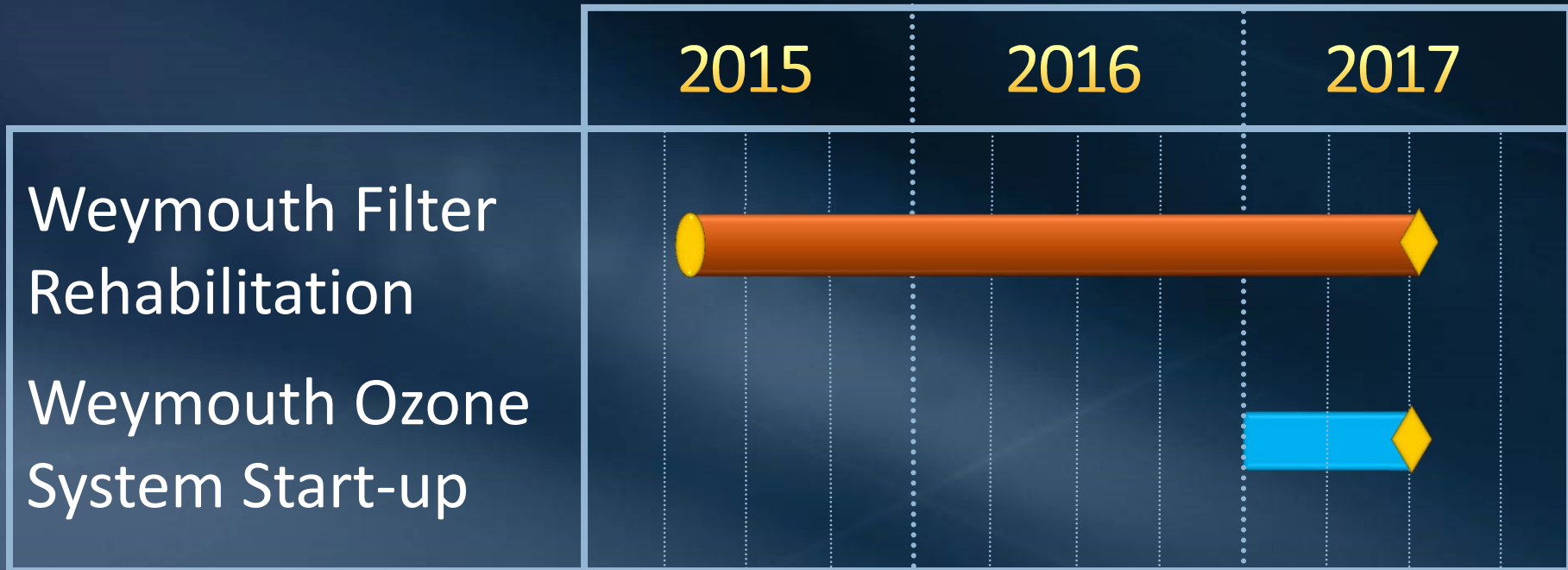
1. Requested Funds

Construction contract	\$ 31,762,914
Labor	
Met. force construction	826,000
Construction inspection	3,280,000
Contract admin & PM	600,000
Submittals review & record drwgs.	204,000
Professional services	
MWH Americas	815,000
Rincon Consultants, Inc.	75,000
Remaining budget	3,437,086

Total Request : \$41,000,000

Total construction cost: \$32.7 M

1. Filter Rehabilitation - Schedule



2. Certification of Final EIR

- Objective
 - Address all planned work over next 5-10 years
- 12 potential projects
- Draft EIR
 - Public review period: Oct. 21 through Dec. 6, 2014
 - Mitigation Monitoring & Reporting Program (MMRP)
 - Statement of Overriding Considerations (SOC)
- Certification of final EIR
 - Compliance with CEQA & State CEQA guidelines
 - Board has reviewed & considered information
 - Reflects independent judgment & analysis
 - Adopt findings, SOC & MMRP

2. EIR - Weymouth Projects



Board Options

- Option #1
 - Certify final EIR
 - Compliance with CEQA and State CEQA guidelines
 - Board has reviewed & considered information
 - Reflects independent judgment & analysis
 - Adopt findings, SOC & MMRP
 - Appropriate \$41,000,000
 - Award \$31,762,914 contract to J. F. Shea Construction, Inc. to rehabilitate the Weymouth filters
 - Authorize increase of \$815,000 to agreement with MWH Americas, for new NTE total of \$2,090,000

Board Options

- Option #2
 - Certify final EIR
 - Compliance with CEQA and State CEQA guidelines
 - Board has reviewed & considered information
 - Reflects independent judgment & analysis
 - Adopt findings, SOC & MMRP
 - Do not proceed with the filter rehabilitation project at this time

Staff Recommendation

- Option #1

