



Diemer Slope Remediation

Engineering & Operations Committee

Item 7-1

September 10, 2018

Current Action

- Appropriate \$970,000
- Authorize preliminary investigations for slope remediation at the Diemer plant
- Authorize agreement with GEI Consultants in an amount not to exceed \$485,000 for geotechnical support services

Location Map



Diemer Plant



Background

- Slope slumping & erosion
 - Winter season storm flows have caused erosion within multiple slope areas of the plant with potential for further degradation
 - Slumping of slopes have occurred in DSOD jurisdictional areas
- DSOD compliance
 - DSOD has requested a plan for mitigation
 - Repair is required to maintain DSOD operating permits

Planned Work

- Consultants (north slope)
 - Field & geotechnical investigations
 - Finite element computer modeling
 - Design criteria for slope remediation
 - Biological assessment
- Metropolitan
 - Conceptual layouts & design criteria for erosion control measures on other slopes
 - Hydrologic analyses
 - Environmental documentation
 - Cost estimates

New Agreement with GEI Consultants

- Selected through competitive process via RFQ No. 1134
- Scope of Work
 - Field & geotechnical investigations
 - Finite element computer modeling
 - Development of design criteria & repair methodologies
- SBE participation - 25%
- Agreement amount NTE - \$485,000

Technical Support

- **Tierra Data, Inc.**
 - Specialized biological assessments
 - Selected through competitive process via RFQ No. 1143
 - Exist. board-authorized agreement
 - SBE participation - 25%
 - Estimated cost - \$35,000
 - No Board action required
- **Specialized Technical Review**
 - Review of conceptual geotechnical improvements
 - Exist. board-authorized agreement
 - Estimated cost - \$50,000
 - No Board action required

Requested Funds

Labor

Proj. mgmt., permitting, envir. monitoring,	\$ 100,000
Study & Investigation work	140,000

Professional services

GEI Consultants	485,000
Tierra Data, Inc.	35,000
3 rd Party Technical Review	50,000

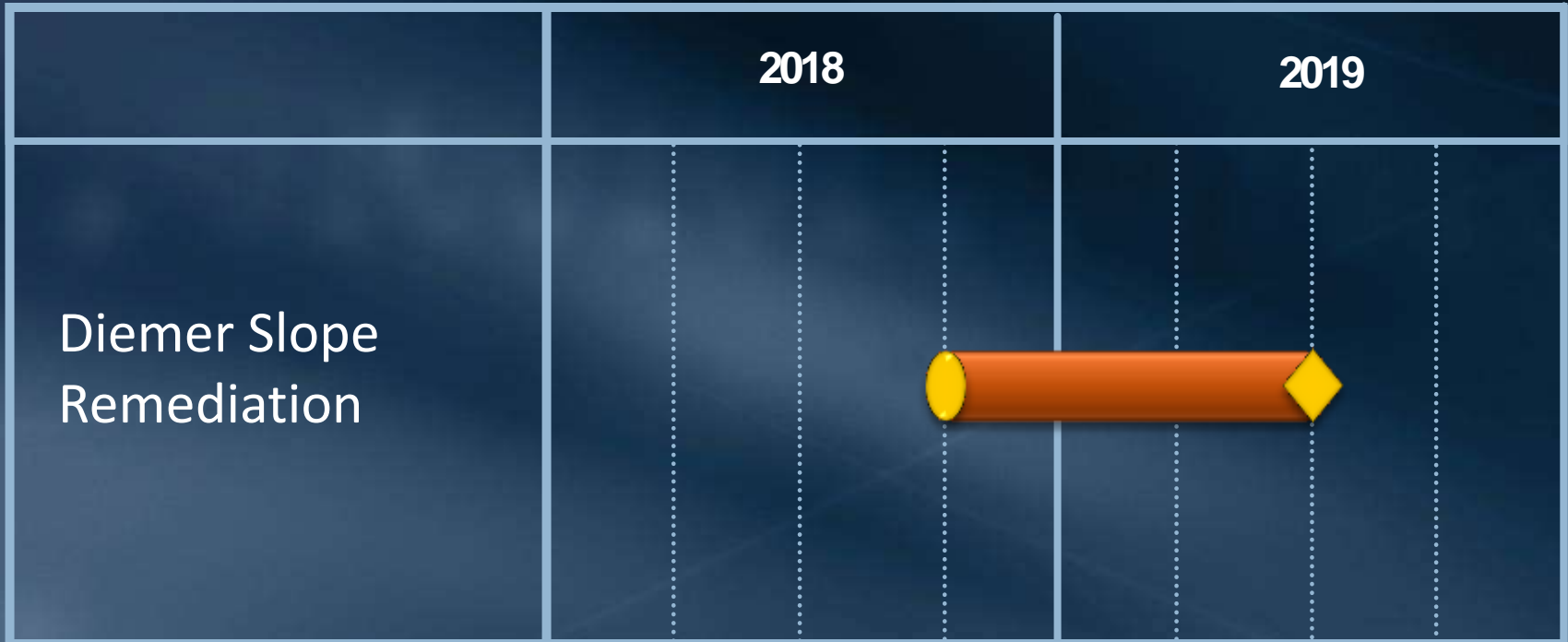
Incidental Expenses

Permit Fees	30,000
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Remaining budget	130,000
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Total	\$970,000
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Schedule



Board Options

- Option #1
 - Adopt the CEQA determination that the proposed action is categorically exempt
 - Appropriate \$970,000
 - Authorize preliminary investigations to remediate slopes at the Diemer plant
 - Authorize agreement with GEI Consultants in an amount not to exceed \$485,000 to provide geotechnical support

Board Options

- Option #2
 - Do not proceed with the preliminary investigations at this time

Staff Recommendation

Option #1

