



Engineering & Operations Committee

Professional Services Agreements For Dam Safety Initiatives Program

Item 7-7

December 12, 2022

Professional Services Agreements for Dam Safety Initiatives Program

Current Action

- Authorize on-call agreements in amounts not to exceed \$2.5 million, for a maximum of five years for dam safety engineering & technical services
 - GEI Consultants Inc.
 - HDR, Inc.
 - Stantec Consulting Services, Inc.

Professional Services Agreements for Dam Safety Initiatives Program

Background

- Metropolitan owns & operates 20 reservoirs & 24 dams
 - Under jurisdiction of the California Department of Water Resources Division of Safety of Dams (DSOD)
- Periodic assessments are conducted to evaluate potentials risks
 - Capital & O&M projects developed to mitigate identified risks



Diemer Ozone Contact Basin



Lake Skinner

Professional Services Agreements for Dam Safety Initiatives Program

Examples of Upcoming Projects

- Dam Monitoring System Evaluation, Design & Rehabilitation
 - Lake Mathews Dam
 - Lake Skinner Dam
- Comprehensive Dam Safety Risk Assessments
 - Copper Basin Dam
 - Gene Wash Dam



Copper Basin



Lake Mathews

Professional Services Agreements for Dam Safety Initiatives Program

Examples of Upcoming Projects

- Seismic Hazard Analysis & other Structural Upgrades
 - Lake Skinner Dam Seismic Stability Evaluation
 - Diamond Valley Lake Seismic Hazard Analysis
 - Gene Wash Dam Seismic Hazard Analysis
- Preparation of Emergency Action Plans
 - As needed (multiple dams)



Diamond Valley Lake



Gene Wash Dam

Professional Services Agreements for Dam Safety Initiatives Program

Request for Qualifications (RFQ) 1316

- Issued April 2022 for on-call services
- Covered services in two categories:
 - Dam safety
 - Geotechnical engineering services
- Total of 12 firms responded
 - 5 firms were pre-qualified for dam safety services
 - 11 firms were pre-qualified for geotechnical services
- Three firms recommended for dam safety agreements at this time
- Future board action to authorize on-call geotechnical agreements

Professional Services Agreements for Dam Safety Initiatives Program

Alternatives Considered

- Utilize Metropolitan staff to conduct all work related to dam safety initiatives
 - Dependent on in-house staff workload
 - May not have technical expertise
- Selected Alternative – Utilize on-call agreements along with Metropolitan staff
 - Metropolitan engineering staff will address the baseload of work on capital projects
 - Professional services agreements selectively utilized to handle projects above this baseload or where specialized needs are required

Professional Services Agreements for Dam Safety Initiatives Program

Agreements

- New on-call agreements for 3 prequalified firms for dam safety services
 - GEI Consultants Inc.
 - HDR, Inc.
 - Stantec Consulting Services, Inc.
- Not-to-exceed amount of \$2.5 M per agreement
- Max duration of each agreement is 5 years
- Services to be provided include:
 - Dam safety monitoring & surveillance
 - Emergency preparedness
 - Dam safety assessments
 - Engineering design & peer review
- SBE participation level: 25% of agreement amount

Board Options

- Option #1
 - Authorize on-call agreements with GEI Consultants Inc., HDR, Inc., and Stantec Consulting Services Inc., in amounts not to exceed \$2.5 million each, for a maximum of five years, to support Metropolitan's Dam Safety Initiatives Program.
- Option #2
 - Do not authorize the consulting agreements at this time.

Staff Recommendation

- Option #1

