



Topic: **Reservoir Committee Agenda Item 4-11 2018 March 22**

Subject: **Phase 2 Environmental Analysis & Permitting – 2019
Geotechnical Data Collection & Analysis**

Requested Action:

For discussion and possible direction to staff, regarding a future action to publish an Initial Study, submit permit applications, perform consultation under AB52, and work with Reclamation to complete equivalent processes related to testing and sampling of additional geotechnical field data.

Detailed Description/Background:

Staff have been coordinating with Reclamation to develop a grouping of geotechnical evaluations of soil and bedrock characteristics that are important to improve certainty in the cost estimate in their Feasibility Report. Locations for these geotechnical evaluations are being selected to avoid and minimize impacts to environmental and cultural resources, as well as to minimize impacts to current agricultural and wildlife refuge practices. This includes locations where access can be granted by the current landowner and utilizing existing right-of-way easement lands.

The primary types of evaluation being considered are:

- Surface Geologic and Geodetic Mapping: generally noninvasive evaluation and documentation of geologic features and topography.
- Surface Geophysical Investigations: generally noninvasive surface testing and documentation of surface and subsurface seismic, magnetic, and other site characteristics.
- Subsurface Geotechnical Investigations: surface and subsurface evaluation and documentation of site characteristics through trenching, drilling, borings, excavation, performing pump tests, and other invasive testing and sampling methods.

Access to the majority of testing and sampling locations would be on existing improved (paved or gravel) roads. Access to more remote locations would be on existing, unimproved, roads or by helicopter.

Prior Reservoir Committee Action:

None.

Fiscal Impact/Funding Source:

None

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Attachments:

None.