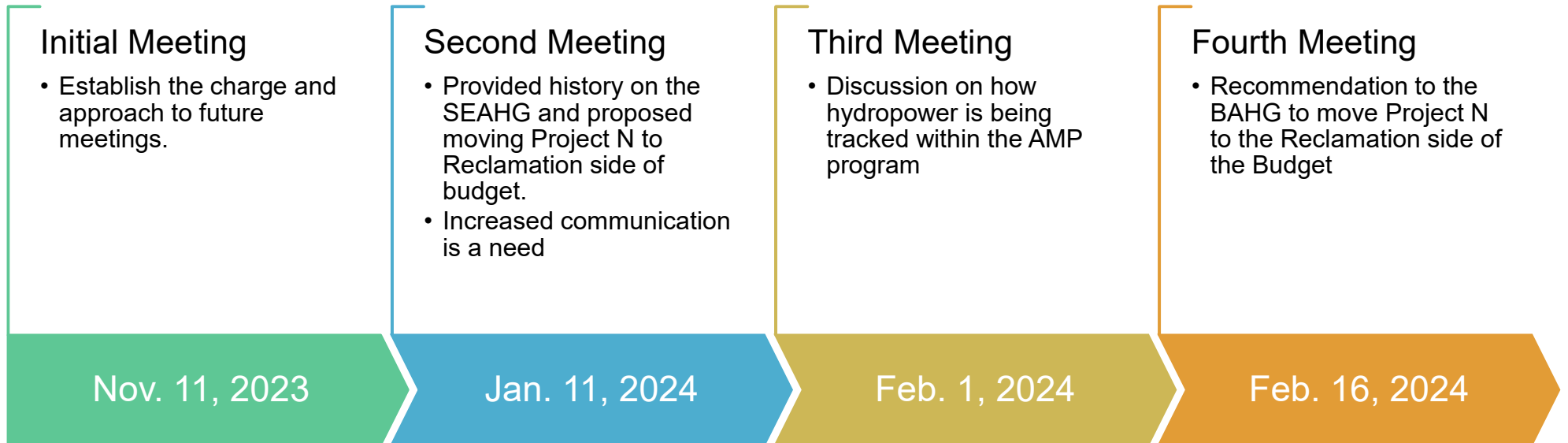


Socioeconomics Ad Hoc Group (SEAHG)

Background

- Chair – Ben Reeder
- Charge – “To work with the Grand Canyon Monitoring and Research Center to recommend a Project N work plan project that, if implemented, might help achieve the LTEMP hydropower and energy resource goal to "maintain or increase Glen Canyon Dam electric energy generation, load following capability, and ramp rate capability, and minimize emissions and costs to the greatest extent practicable, consistent with improvement and long-term sustainability of downstream resources.”

History



4.G. Hydropower Monitoring and Research

The LTEMP (U.S. Department of the Interior, 2016a) states that the objective of the hydropower and energy resource goal is to, “maintain or increase Glen Canyon Dam (GCD) electric energy generation, load following capability, and ramp rate capability, and minimize emissions and costs to the greatest extent practicable, consistent with improvement and long-term sustainability of downstream resources.” This project will identify, coordinate, and collaborate with external partners on monitoring and research opportunities associated with operational experiments at GCD designed to meet hydropower and energy resource objectives, as stated in the LTEMP EIS and its ROD (U.S. Department of the interior, 2016a, b), and guided by the memorandum (Guidance Memo) from the Secretary's Designee, dated August 14, 2019 (Petty, 2019). Operational experiments include proposed experiments in the LTEMP EIS (U.S. Department of Interior, 2016b), and other identified operational scenarios at GCD to improve hydropower and energy resources, while consistent with improvement and long-term sustainability of other downstream resources. This project will identify and prioritize research opportunities associated with operational experiments at GCD designed to meet hydropower and energy resource objectives.

Reclamation will coordinate a hydropower workshop to identify opportunities to improve upon GCD flow experiments identified in LTEMP and any new flow experiments that may be developed during the course of this workplan. Experiments include, but are not limited to macroinvertebrate flows, trout management flows, and high-flow experiments. Additionally, this workshop will be used to identify potential experimental hydrographs at GCD that improve the value or production of hydropower, outside of flow experiments specific to biological and physical resources, to better achieve the hydropower and energy resource goal. These experimental hydrographs to improve the value or production of hydropower will be consistent with the improvement and long-term sustainability of downstream resources. Products from this project will include an annual workshop and report that summarizes workshop outcomes.

Budget: FY25 = \$ FY26 = \$ 25,000 FY27 = \$



Future SEAHG Items

- Overview of GT Max Model and GCMRC models
 - Identify benefits and limitations of both models
 - Identify where the models overlap
- Potential Charge:
 - “The Socioeconomic Ad Hoc Group (SEAHG) is charged with working with the Grand Canyon Monitoring and Research Center to review models and discuss concepts that might help achieve the LTEMP goals for the Hydropower, Recreation, and Cultural resources.”