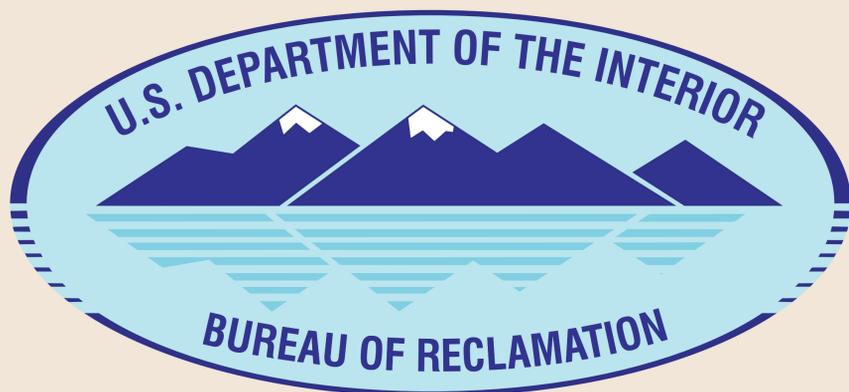


## Participants

The Bureau of Reclamation (Reclamation) owns Carter Lake and is the lead federal agency.

Northern Water Conservancy District (Northern Water), the project proponent, is a public agency which operates and maintains Carter Lake, including the existing Carter Lake Dam Outlet.



## Proposed Project

Northern Water is requesting lease of power privilege (LOPP) from Reclamation to use existing releases of water for power generation. LOPP is a contractual right given to a non-federal entity for use of a Reclamation facility in hydroelectric power generation development. If LOPP is granted, construction of a hydroelectric power facility at the Carter Lake Dam outlet is proposed to occur.

Currently, water from Carter Lake flows through Dam Number 1 via the outlet works and travels through an energy dissipation structure before being deposited directly into the St. Vrain Supply Canal. If LOPP is granted and the proposed hydroelectric power plant is constructed, reservoir water would instead pass through the new power plant before being deposited in the St. Vrain Supply Canal.

The Carter Lake Hydro Power Project would consist of the following primary elements:

- 200 foot long 72-inch penstock
- 48-inch bifurcation
- 72 foot by 38 foot power house
- Two synchronous 1,300 kilowatt horizontal Francis turbines
- A tie-in to the existing St. Vrain Supply Canal
- Switch gear and transformers
- Approximately 1,000 feet of new power transmission line

## National Environmental Policy Act (NEPA)

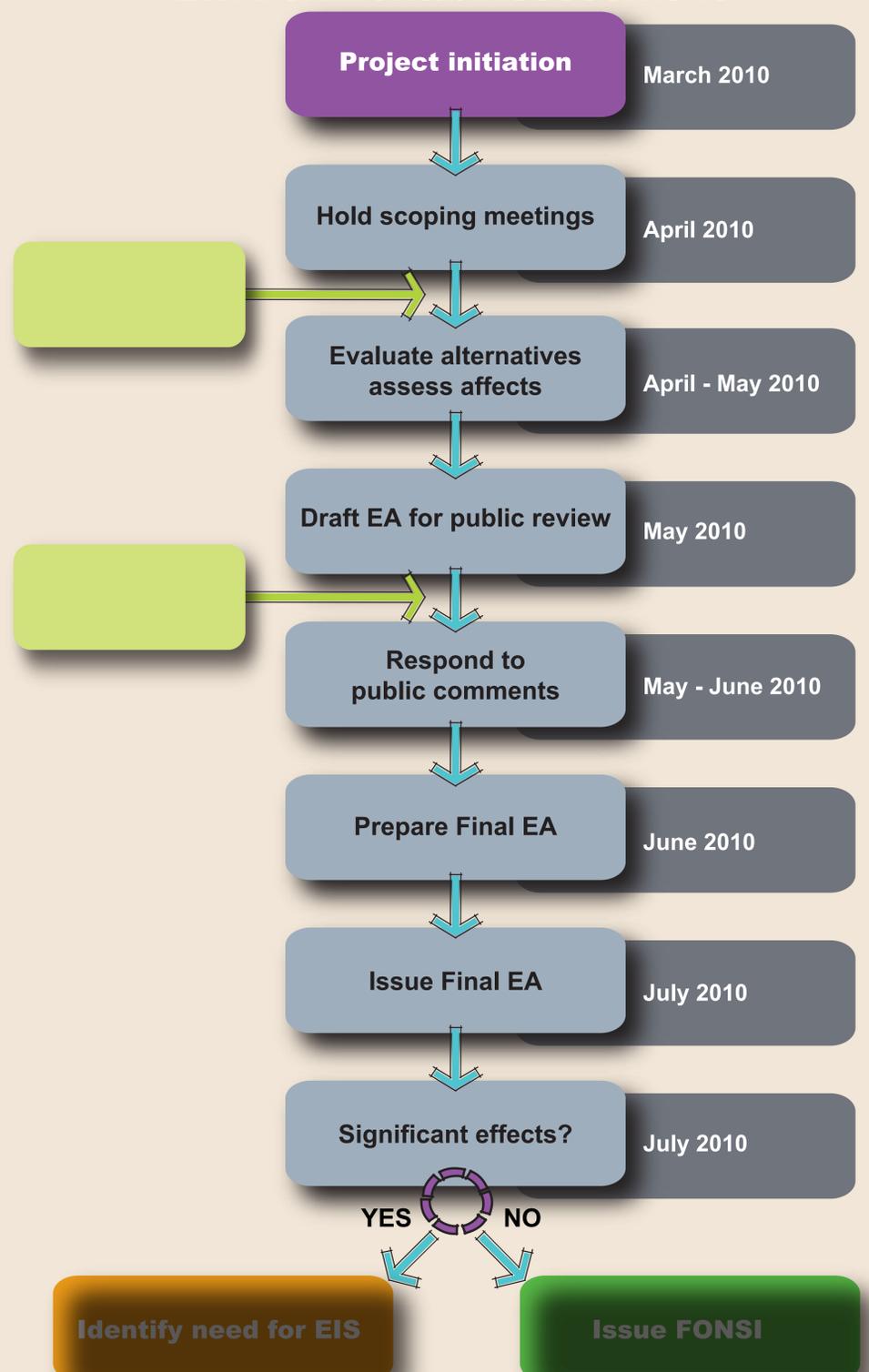
### What NEPA does:

- Requires full disclosure about major actions taken by federal agencies and accompanying alternatives, impacts, and possible mitigation
- Requires that environmental concerns and impacts be evaluated during planning and decision making

### What NEPA does NOT do:

- Decide which alternative to choose
- Prevent environmental impacts from occurring
- Prohibit any actions
- Justify a predetermined action

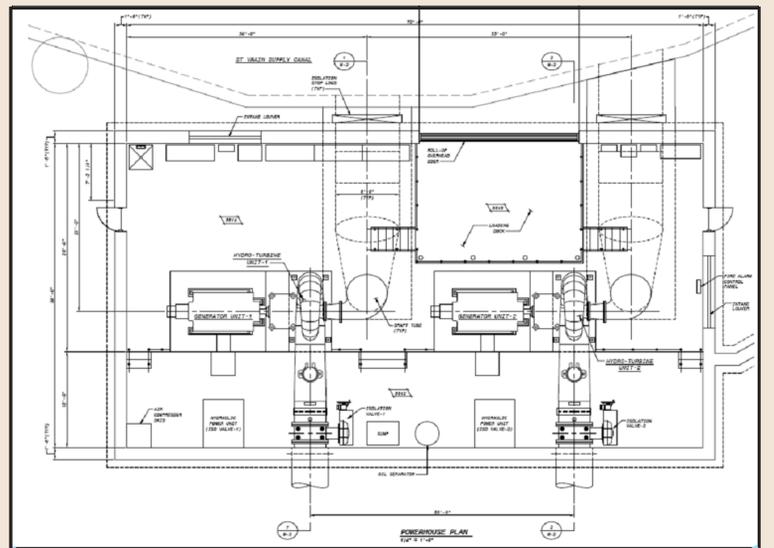
### Carter Lake Hydropower Plant Environmental Assessment



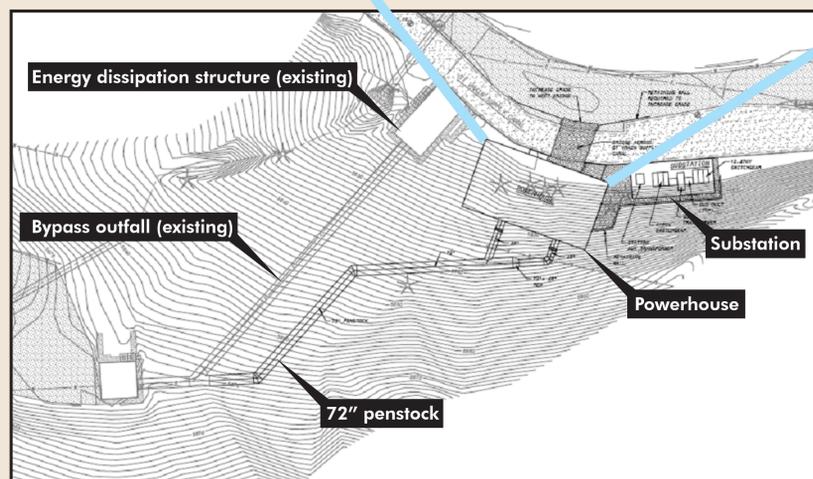
## General Study Area



## Powerhouse Plan



## Project Components



## Project Overview

