



# Federal Energy Regulatory Commission

## Arrow Canyon Hydroelectric Project

P-13569- Nevada

On August 19, 2010, an order issuing an original minor license was issued to Southern Nevada Water Authority to construct, operate, and maintain the 500-kilowatt (kW) Arrow Canyon Conduit Energy Recovery Hydroturbine Project. The project will be located on Southern Nevada Water Authority's existing water supply pipeline near the town of Glendale, in Clark County, Nevada and will occupy 1.7 acres of lands administered by the Bureau of Land Management (BLM).

The project will operate using treated groundwater from the applicant's Coyote Spring Valley Well and Moapa Transmission System Project (Coyote Spring Pipeline), a 24-inch-diameter water supply pipeline. The proposed project will consist of the following facilities: (1) a new 24-inch-diameter, 140-foot-long intake pipe, which connects to the existing 24-inch-diameter Coyote Spring Pipeline and leads to a proposed powerhouse enclosing a 500-kW Pelton turbine; (2) a new 24-inch-diameter, 137-foot-long, tailrace pipe returning flow to the Coyote Spring Pipeline; (3) a 24-inch-diameter, 130-foot-long, emergency overflow pipe; (4) a 3.57-acre-foot de-silting pond in an existing depression east of hydroturbine site; (5) a proposed 1,400-foot-long, 12.47-kilovolt (kv) transmission line; and (7) a proposed 25-foot-wide, 255-foot-long access road.

The factors that contributed to an expedited licensing process included;

- The project's effects would be minimal;
- Commission staff worked with the applicant to determine the best way to streamline the process;
- Staff issued a single notice that waived scoping and shortened time frames to file comments and final terms and conditions;
- Staff issued a single environmental assessment in lieu of draft and final NEPA documents;
- The order was issued on the same day as the environmental assessment; and
- Staff relied on BLM's programmatic biological opinion (BO), which eliminated the need for a project-specific biological opinion.