• Avoid impacts to natural resources (Jordanelle Reservoir and the Provo River).
• Avoid impacts to federal projects and facilities (Jordanelle Dam and associated features).
• Generate hydroelectric power as an incidental use to the delivery of water for CUP purposes, which include municipal and industrial water supply, irrigation supply, flood control, and fish and wildlife.
• Protect water quality in Jordanelle Reservoir and the Provo River.

1.2.2 Need for the Proposed Project
The proposed project is needed to develop hydroelectric power to meet increased power demands.

1.3 History and Background
The CUP’s Bonneville Unit, located in northern Utah, was authorized as a participating project for construction, including hydroelectric power generation, by the CRSP Act of 1956. The 1979 Municipal and Industrial System (M&I) Final Environmental Impact Statement (EIS) first discussed the construction and operation of a hydroelectric facility below Jordanelle Dam (Reclamation, 1979). The 1987 Final Supplement to the M&I Final EIS deferred construction of the facility until non-federal participation could be achieved (Reclamation, 1987). The construction of Jordanelle Dam included provisions for hydroelectric power. The 2004 Final EIS for the Utah Lake Drainage Basin Water Delivery System (ULS) describes the completion of the Bonneville Unit deliveries (CUWCD, 2004) and although it does include Bonneville Unit power development in Diamond Fork Canyon, the ULS project does not change the provisions for non-federal development of hydroelectric power at Jordanelle Dam. This EA updates and uses information and data from the ULS EIS and 1987 M&I Final Supplement relative to the construction of a hydroelectric power plant and associated facilities. The operation of Jordanelle Dam and Reservoir with the proposed hydroelectric project in place would remain the same as described in the 2004 ULS EIS.

The CUPCA authorized the construction of other features of the Bonneville Unit. Section 208 of the CUPCA provides that CUP power facilities be developed and operated in accordance with the CRSP Act and states, “Use of Central Utah Project water diverted out of the Colorado River Basin for power purposes shall only be incidental to the delivery of water for other authorized project purposes. Diversion of such waters out of the Colorado River Basin exclusively for power purposes is prohibited.” DOI, in consultation with the Western Area Power Administration, selected the joint proposal of CUWCD/HL&P to develop non-federal hydroelectric power at Jordanelle Dam through a lease of power privilege (Federal Register Vol. 64, No. 127, P. 36030-36032). The Federal Register notice stated that “any lease of power privilege at…Jordanelle Dam…must accommodate existing contractual commitments related to operation and maintenance of such existing facilities.”

This lease of power privilege is an alternative to development of federal hydropower. A lease of power privilege grants a non-federal entity the right to utilize, consistent with CUP purpose, water power head and storage at and/or operationally in conjunction with the