### TABLE OF CONTENTS

**SECTION 1: INTRODUCTION**
- 1.1 Project Location ................................................................. 1
- 1.2 The Columbia River .............................................................. 1
- 1.3 Physical setting .................................................................... 1
- 1.4 Climate ............................................................................... 1
- 1.5 Regional Economy ............................................................... 2
- 1.6 Regional Population ............................................................. 2
- 1.7 Current Land Use Concept .................................................. 2
- 1.8 Cultural Resources ............................................................... 3
- 1.9 General Description of the Relicensing Process .................... 3
- 1.10 Needs Statement ............................................................... 3

**SECTION 2: STUDY GOAL** .................................................. 4

**SECTION 4: METHODOLOGY** ............................................. 4

**SECTION 5: TASK LIST** ...................................................... 5

**SECTION 6: ANALYSIS AND REPORTING** ......................... 5

**SECTION 7: STAFFING AND EQUIPMENT NEEDS** ............ 5

**SECTION 8: SCHEDULE** .................................................... 5

**SECTION 9: BUDGET** .......................................................... 5

**SECTION 10: NEXT STEPS** .................................................. 5
SECTION 1: INTRODUCTION

1.1 Project Location
The Rocky Reach Project is located approximately seven miles north of the city of Wenatchee on the Columbia River in mid-Washington State. The dam is 215 river miles below the Canadian border and 473 river miles above the mouth of the Columbia at Astoria, Oregon.

1.2 The Columbia River
Rocky Reach Dam is located in Chelan County in north central Washington. Lake Entiat, the Rocky Reach Project reservoir, extends upriver 43 miles (to Wells Dam) and has a surface area of approximately 9,100 acres. The reservoir contains 36,400 acre feet of usable storage.

The drainage area of the project at the dam is about 90,000 square miles. The watershed lies east of the Cascade Mountains and West of the Rocky Mountains, consisting of parts of Washington, Idaho, Montana, and British Columbia. The normal headwater elevation is 707 feet above sea level. The normal tailwater elevation is 614.7 feet above sea level. The average annual minimum water temperature of 34°F normally occurs during the month of February. The average annual maximum water temperature of 65°F occurs during the months of August and September.

1.3 Physical setting
The state of Washington encompasses a wide range of geographic diversity, from the marine influenced ocean shores and the Puget Sound, over the rugged Cascade Mountain Range to the rolling hills of central Washington, to the ancient mountain ranges of north central and eastern Washington. The Rocky Reach Project is located on the Columbia River between two significantly different physiographic areas. In the Cascade Mountains to the west, a metamorphosed sedimentary, volcanic, and granitic rock predominates. On the Columbia River Plateau to the east, bedrock is covered by vast, thick layers of basalt. The vegetation ranges from forest and alpine meadows in the Cascades, down to the fertile, irrigated valleys near the Columbia and back up to sparsely vegetated arid plateaus to the east.

1.4 Climate
The climate in the vicinity of the Rocky Reach Project is the semi-arid type, which is typical of eastern Washington. There is a seasonal range of temperatures in the area with winter averaging about 25°F and summer about 75°F. Spring and Fall temperatures average 50°F. Extreme temperatures can approach -30°F in winter and 110°F in summer. The precipitation is generally low with an annual average of about 10 inches, the bulk of which falls between October and March. There are usually no more than 8 to 15 inches of snow on the ground.
1.5 Regional Economy
The economy of the north central Washington region encompassing Chelan and Douglas Counties is based primarily on agriculture. Chelan County provides 80 percent of the jobs in the two-county area and contains 75 percent of the total number of employers. Apples, pears, cherries, and other fruits are important crops in the Columbia River basin. The region’s economy is also supported by other types of agriculture (wheat, hay, potatoes) retail trades, services, manufacturing, recreation and tourism.

1.6 Regional Population
The region is sparsely populated. In 1997, the population of Chelan County was 57,854 people; Douglas County, 31,054 people; and the population of the entire state of Washington, 5.4 million people. The largest community on the Rocky Reach reservoir is the town of Entiat, with a 1997 estimated population of 801. The cities of Wenatchee (1997 population estimate of 25,160) and East Wenatchee (1997 population estimate of 5,245) are located seven miles south of Rocky Reach Dam.

1.7 Current Land Use Concept
The Columbia River valley surrounding the Rocky Reach Reservoir is a wide canyon characterized by basalt cliffs and exposed rock outcroppings. The limited valley is generally rural in nature. The town of Entiat and the communities of Chelan Falls and Orondo are located along the reservoir. Project boundary encroachment includes two sanitary sewer outfalls, storm water outfalls, irrigation withdrawals, and recreational development that is part of Chelan PUD’s existing recreation plan.

Within the project boundary, agricultural uses, recreational sites developed by Chelan PUD, and some residential lands surround approximately half the reservoir. Agricultural uses consist primarily of fruit orchards and some pasture lands. Irrigation pumps and pumphouses to withdraw water from the Columbia River are often located on agricultural lands. Recreation sites provide for swimming, boating, fishing, jetskiing, camping, picnicking, water-skiing, and other recreational uses. Recreational use generated at these sites is intensive during the summer season, Memorial Day through Labor Day.

The remainder of the lands surrounding the reservoir is undeveloped. These lands can be characterized as dry lands. They include shrub steppe and grasslands vegetation with patches of exposed rock. Much of the undeveloped shoreline lies in areas where the reservoir is in close proximity to a small, private railroad on the westerly side and to State Routes 97 (westerly) and 97A (easterly). Narrow strips of riparian vegetation, including wetland areas, may be present along those areas of the reservoir where the shoreline slopes are relatively gentle.

Ownership of lands outside and/or adjacent to the project boundary include State Department of Natural Resources Land, State Department of Wildlife Land, State Park Land, USDA Forest Service Land, Bureau of Land Management Land, Chelan PUD, Railroad, State Department of Transportation, and private lands.
1.8 Cultural Resources
An intensive archaeological survey of the shoreline of the Rocky Reach Project was conducted in 1981 as part of a plan to raise the reservoir level. The purpose of the study was to inventory and document cultural resources that might be affected by the pool raise, and to identify those sites that were currently being affected by the existing reservoir level and Project operation. The survey, which included an evaluation of all previously known archaeological investigations on the reservoir, identified a total of 47 cultural resource sites.

In preparation for a license amendment for the proposed pool raise, a resurvey of the project area was conducted in 1990. The 1990 survey found additional cultural materials at four of the sites that were surveyed in 1981. The 1990 resurvey resulted in the recording of twelve new sites and eight sensitive areas. Sensitive areas are locations where no cultural materials were noted but site features indicate that these areas should receive further consideration.

As a result of the above cultural resource work, Chelan PUD contracted with Archaeological and Historical Services in the fall of 1990 to test nine of the newly discovered sites, two of the sensitive areas, and to complete National Register of Historic Places (NRHP) evaluations for three sites.

1.9 General Description of the Relicensing Process
The Public Utility District No. 1 of Chelan County (Chelan PUD) owns and operates the Rocky Reach Hydroelectric Project (Project). Chelan PUD is permitted to operate the Project according to terms and conditions contained in an existing Federal Energy Regulatory Commission (FERC) license, No. 2145, that was issued on July 12, 1956. On September 1, 1966, the Chelan PUD filed an application with the Federal Power Commission (FPC) to amend the Project license for the addition of four generating units. The FPC, later FERC, issued the license amendment on May 23, 1968. The existing license expires on June 30, 2006.

Chelan PUD intends to seek a new federal license to operate the Rocky Reach Project and has begun preparation for the process referred to as “relicensing.” The FERC relicensing process is based on laws and regulations that require years of extensive planning, including environmental studies, agency consensus and public involvement. The process to obtain a new license has changed considerably since the existing licensee was issued in 1956. The Federal Power Act (FPA) was amended in 1986 by the Electric Consumers Protection Act (ECPA). The amendment requires the FERC, in addition to power and development purposes, to give equal consideration to the purposes of enhancement of fish and wildlife, the protection of recreational opportunities, and the preservation of other aspects of environmental quality.

1.10 Needs Statement
The Cultural Resources Overview is an essential component in the cultural resource compliance process for relicensing. Chelan PUD has detailed information on cultural resources in the project area collected during various cultural resource investigations completed in 1981 and 1990. The Overview will provide descriptions, locations, and current status of known cultural resources; a review of past cultural resource studies; and recommendations for additional study needs in the project area. In addition, information provided in the Overview is needed to provide a context
for determining the significance of specific cultural resources in the area. The Overview will contain descriptions and discussion of environmental setting, ethnography, history, and archaeological history and prehistory of the project area.

SECTION 2: STUDY GOAL

The purpose of the Overview is to provide a context for determining the significance of specific cultural resources in the area, and to provide baseline information that will help the Cultural Resources Working Group identify additional study needs.

SECTION 3: STUDY AREA

The proposed study area is the Rocky Reach Project boundary and lands immediately adjacent to the boundary and/or likely to be directly impacted by project operations. For sections of the Overview that provide regional context and perspective, the study area will expand beyond the project boundary.

The Rocky Reach boundary is defined by contour lines on each side of the reservoir beginning at elevation 711 feet MSL at the Rocky Reach Dam upstream to the Wells Project tailrace. The boundary varies in elevation along the reservoir and corresponds to areas likely to be impacted by water surface elevation associated with the probably maximum flood (Rocky Reach Project Periodic Safety Inspection Report, 1997). The Rocky Reach Project contains a total of 1,345 acres of land, of which Chelan PUD owns approximately 100 acres, or seven percent.

SECTION 4: METHODOLOGY

A literature search for the Rocky Reach project and Lake Chelan project was initiated as part of the Lake Chelan relicensing process. Components of the Overview have been completed during past studies in the project area. All pertinent information collected in the above studies will need to be reviewed to determine what level of effort is needed to complete an updated Overview.

Chelan PUD will hire a consultant (hereafter, "advisor") to provide cultural resources guidance for the relicensing process. The advisor will review the existing information and provide methodologies for completing the overview. The Cultural Resources Working Group will review and comment on the proposed methods.
SECTION 5: TASK LIST

**Task 1** - Chelan PUD's advisor will review existing information and develop methods for completing the Overview (if required). Methods will be presented to the Cultural Resources Working Group.

**Task 2** - If additional work is required to complete the Overview, Chelan PUD will interview and select appropriate consultants.

**Task 3** - The selected consultant will complete the Overview based on the methods developed by the Cultural Resources Working Group.

SECTION 6: ANALYSIS AND REPORTING

The final document will be an updated Cultural Resources Overview of the Rocky Reach Project area. At minimum, the document will include the following components: 1) Introduction, 2) Environmental Setting, 3) Prehistory (local and regional), 4) History (local and regional), 5) Ethnography (local and regional), 6) Archaeological resources, 7) Conclusions and recommendations.

SECTION 7: STAFFING AND EQUIPMENT NEEDS

To be provided by consultant.

SECTION 8: SCHEDULE

The study will be completed by June 1, 2000. A detailed schedule will be provided by the consultant.

SECTION 9: BUDGET

The consultant will provide a detailed budget.

SECTION 10: NEXT STEPS

The Cultural Resources Working Group will use the Cultural Resources Overview to identify additional study needs.