

E5.4 RECREATION PROPOSALS

The following enhancement proposals are based on the results of several Project recreation resource studies presented earlier in Report E5—Recreation Resources and particularly Section E5.2.9—Recreation Needs Analysis Synthesis, and consultation with the RLA Work Group in 2000 to 2002. These recreation studies represent the most comprehensive assessment of public recreation resources in the study area ever conducted by the Licensee or Forest Service.

Detailed discussion of overall recreational activity (e.g., camping, boating) needs and site-specific (e.g., Camp Conery, Cool Springs Campground) needs are presented in Section E5.2.9. This section provides a thorough summary of the results of the recreation demand, supply, capacity, and suitability studies conducted in the study area during relicensing. These study results were used to develop a set of existing and future recreation needs for the broader study area for a period of 30 years (2005 to 2035) for planning purposes. However, not all of the identified recreation needs should be assumed to be associated with the Project. Rather, the identified needs represent the overall needs of many public recreation providers that serve the broader study area.

In this section, the Licensee, with input from the Recreation, Land Use, and Aesthetics (RLA) Work Group, has selected a large number of these existing and future recreation needs in the study area as its recreational proposals for the UNFFR Project. The Licensee proposes to significantly complement the existing operations of other recreation providers in the study area and to complement the plans of other organizations. In this large and

diverse study area, all recreational providers have a shared responsibility to help meet the needs of visitors and area residents.

No one entity or group can accommodate all of the existing and future recreation needs, nor does the Licensee desire to compete with other private recreation providers in the area. The Licensee, public agencies, and private recreation providers all play key roles in the study area.

As such, the Licensee believes that it can best serve the general public and area residents by being responsible for the implementation, construction, and operation of the proposed recreation enhancements presented in Table E5.4-1. These recreational proposals are presented by recreation area, including specific facilities and sites within those areas. Recreation facility proposals (capital improvements) and recreation programmatic proposals (operations and maintenance [(O&M)]) are identified by facility or site. Figures in the Draft RRMP (Appendix E5-T) present facility and site locations of the proposed recreational enhancements in the study area.

These Licensee proposals are generally located on the Licensee-owned lands around the Project developments. By helping meet Project-related recreation needs on Licensee-owned lands, the Licensee can ensure that proposed Project facilities are properly managed to ensure license compliance over the term of the new license. Adequate Licensee-owned land is available to construct new facilities anticipated during the term of the new license.

**Table E5.4-1
Proposed Recreation Enhancements at the UNFFR Project**

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<i>Lake Almanor</i>	
<p><u>Last Chance Campground/Group Camp</u></p> <ul style="list-style-type: none"> ▪ Modify two campsites to be ADA-accessible. ▪ Modify existing toilets to be ADA-accessible. ▪ Provide an ADA-accessible access route leading to the nearby creek. ▪ Provide six additional future campsites to help keep use levels within capacity limits. ▪ Provide a new double vault toilet. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Lake Almanor Campground (Loops 1, 2, and 3)</u></p> <ul style="list-style-type: none"> ▪ Modify 10 campsites to be ADA-accessible (four at Loop 1, three at Loop 2, and three at Loop 3). All of the elements provided in the campsite, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be accessible. In addition, retrofit eight existing designated accessible campsites to meet ADA Guidelines for Buildings and Facilities (ADAAG) (four at Loop 1, two at Loop 2, and two at Loop 3) and one additional ADA-accessible campsite is needed at both Loop 2 and Loop 3 to meet the minimum 10 ADA-accessible campsites needed. ▪ Provide an ADA-accessible access route to the water's edge and an accessible swim beach and swim delineator. ▪ Retrofit existing facilities as needed, such as the camp library box, telephones, and the envelope box at the pay station, to meet ADAAG height standards, and provide ADA-accessible access routes. ▪ Retrofit the existing water faucets near accessible elements, such as toilets and campsites, to meet ADAAG. ▪ Modify the surface and slope of the access routes to two of the toilets (near entry and near Site 100) to meet ADAAG (Loop 2). ▪ Relocate the interior pay station directly across the road on a level, firm, and stable surface (Loop 2). 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<ul style="list-style-type: none"> ▪ Convert the existing group site/overflow area south of Loop 3 (area where the LART is to be extended) into an expanded DUA/swim beach. ▪ Provide a new entrance kiosk to service all three loops. ▪ Replace older Klamath stoves (a low-style camp stove with a stovepipe). ▪ Revegetate disturbed areas caused by pedestrian or vehicle traffic. ▪ Relocate 20 campsites from the Loop 3 overflow area to the overflow area north of Loop 1. ▪ Provide a new double vault toilet. ▪ Provide 1 new indoor shower facility for each of the 3 campground loops (3 total). ▪ Provide a new entrance kiosk to serve the 3 campground loops. ▪ Provide bear-proof food lockers at each campsite over 5 years (151 sites). 	
<p><u>Camp Conery Group Camp</u></p> <ul style="list-style-type: none"> ▪ Provide one ADA-accessible parking space to adhere to ADAAG. ▪ Provide a new ADA-accessible cabin with accessible restroom. ▪ Reposition the telephone on the wall of the central group meeting facility so that its height does not exceed ADAAG. ▪ Retrofit the water faucet near accessible elements to meet ADAAG. ▪ Expand existing group facilities to provide for an additional group reservation area (space for either 2 groups of 8 RVs or 1 group of 16 RVs) adjacent to the existing group facilities. As an option, explore the potential of locating a new group site next to Canyon Dam Day Use Area (DUA). ▪ Repair and resurface the access road. ▪ Provide indoor showers (2). 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Eastshore Campground and Day Use Area (New Licensee Facility)</u></p> <ul style="list-style-type: none"> ▪ Provide a new campground on Licensee land in 3 phases with up to 95 new tent and RV campsites with bear-proof food lockers, 3 restrooms/indoor showers, plus infrastructure. ▪ Provide boat moorage slips. ▪ Provide a swimming area in cove, a picnic area, and trail access. ▪ Provide camp host sites. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<p><u>North Shore Public Boat Launch/DUA</u></p> <ul style="list-style-type: none"> ▪ Provide new boat launch with loading float and parking for 40 vehicles with trailers and 12 single cars. ▪ Improve old highway to create separate access road to boat launch area. ▪ Provide boathouse and toilet (double vault) facilities. ▪ Provide dredging for new launch. ▪ Relocate impacted campsites (22). 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Eastshore Group Camp Conversion</u></p> <ul style="list-style-type: none"> ▪ Convert existing picnic area into an RV group reservation campsite (1 larger group of 16 or 2 smaller groups of 8). ▪ Improve circulation to accommodate RVs; widen entrance road. ▪ Provide bear-proof food lockers. ▪ Provide one ADA-accessible parking space near the toilet. ▪ Provide ADA-accessible access routes to the trash receptacles. ▪ Provide an improved trail down to the shoreline with switchbacks and stairs; provide erosion control on the hillside. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Almanor Scenic Overlook</u></p> <ul style="list-style-type: none"> ▪ Provide an accessible access route leading to the restroom to adhere to ADAAG. ▪ Provide one accessible parking space to adhere to ADAAG. ▪ Expand this site to include new day use picnicking with five new picnic tables linked by a trail. ▪ Perform vegetative brushing and clearing to restore the views from this site to Lake Almanor and the dam. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Canyon Dam DUA</u></p> <ul style="list-style-type: none"> ▪ Provide one accessible parking space to adhere to ADAAG located adjacent to the landscaped island in the center of the parking area. ▪ Replace the large informational sign at the site's entrance with a new informational kiosk. Provide parking and circulation at kiosk. ▪ Retrofit the water faucets near accessible elements to meet ADAAG and reconnect the water system with the water supply across the highway. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<ul style="list-style-type: none"> ▪ Modify eight picnic tables to be accessible and provide eight more picnic tables. ▪ Improve the swim beach with an accessible route, sandy beach, and swim delineator. ▪ Provide approximately 20 additional parking spaces. ▪ Provide an outdoor shower (1). ▪ Reserve property adjacent to site for potential future recreation development. 	
<p><u>Canyon Dam Boat Launch/DUA</u></p> <ul style="list-style-type: none"> ▪ Extend 1 ramp lane so that toe of ramp is at 4,466' elevation, providing launching access to the low pool elevation. Construct the ramp extension in 10 ft increments during low water years (60 ft total length estimated). 	<ul style="list-style-type: none"> ▪ Forest Service to continue providing O&M.
<p><u>Catfish Beach Primitive DUA/Campsites</u></p> <ul style="list-style-type: none"> ▪ Provide gravel access road and parking area. Secure a road easement. ▪ Provide additional management presence with a new host RV site (Located at Stover Ranch nearby). ▪ Provide primitive picnic facilities (10 picnic sites). ▪ Provide primitive camping facilities (10 campsites). ▪ Provide a single vault toilet. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Westwood Beach DUA</u></p> <ul style="list-style-type: none"> ▪ Provide a new raised parking area separated from the highway with one ingress/egress point at the north end of the site (parking for 10 vehicles). ▪ Provide signage, an ADA-accessible sealed vault toilet, six picnic tables, sandy beach (upper area), and swim delineator. ▪ Provide erosion control at the shoreline. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Stumpy Beach DUA</u></p> <ul style="list-style-type: none"> ▪ Provide parking stalls parallel to the highway at the existing wide pull-out area along the highway (parking for 8-10 vehicles). ▪ Provide signage, an ADA-accessible sealed vault toilet and 5 picnic tables (at the south end of the site). ▪ Provide 4 benches at the parking level for use as a lake and mountain vista point. ▪ Provide erosion control at the shoreline. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<ul style="list-style-type: none"> ▪ Provide trails at the northern and southern portions of the site, with the southern trail to be ADA-accessible to the picnic area. ▪ Provide a sandy beach area to the south with a swim delineator. 	
<p><u>PSEA Public Swim Beach</u></p> <ul style="list-style-type: none"> ▪ Provide gravel parking area. ▪ Replace 2 single-vault toilets and water faucet. ▪ Replace existing picnic tables (10). ▪ Expand and improve the sandy beach and provide a swim delineator. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Almanor Beach Expansion</u></p> <ul style="list-style-type: none"> ▪ Expand the existing sandy beach. ▪ Consult with the Forest Service. ▪ Provide additional parking (10-20 stalls). 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Stover Ranch-Chester Shoreline Access</u></p> <ul style="list-style-type: none"> ▪ Coordinate with Chester PUD and Chester Recreation and Parks. ▪ Provide a gravel parking area with barriers, and a trail to the shoreline. ▪ Provide interpretive sign, 4 picnic tables, and double-vault toilet. ▪ Provide a camp host or caretaker RV site. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Super Channel-Chester Shoreline Access</u></p> <ul style="list-style-type: none"> ▪ Provide gravel parking area with barricades and gate to restrict vehicular access to the shoreline. ▪ Provide a trail to the shoreline. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Lake Almanor Recreation Trail (LART) Easements and Grant Application Assistance</u></p> <ul style="list-style-type: none"> ▪ Cooperate with the Forest Service and the Chester Recreation and Park District to allow non-motorized recreational trail access across Licensee-owned Project lands surrounding Lake Almanor, provide easements only. ▪ Provide shoreline access sites at Super Channel-Chester and Stover Ranch-Chester (discussed elsewhere). 	<ul style="list-style-type: none"> ▪ Forest Service to continue providing O&M.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<p><u>Southwest Shoreline Access Zone</u></p> <ul style="list-style-type: none"> ▪ Improve 4 existing shoreline access sites at or near the 4,494' elevation to provide improved vehicular/pedestrian access. ▪ Provide barriers, signs, new gravel parking areas, and gravel access roads. ▪ Rehabilitate other disturbed vehicular/OHV access routes, possibly with pedestrian trail access only. ▪ Work with the Forest Service to design and implement this proposed PME after license issuance. 	<ul style="list-style-type: none"> ▪ Provide annual cost share O&M funding to the Forest Service for the term of the new license, including long-term facility maintenance.
<p><u>Butt Valley Reservoir</u></p> <p><u>Ponderosa Flat Campground</u></p> <ul style="list-style-type: none"> ▪ Modify four campsites to be ADA-accessible. All of the elements provided in the campsite, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be accessible. Retrofit the existing designated accessible campsites to be accessible per ADAAG. ▪ Provide an ADA-accessible access route for the restroom near Site 45. ▪ Replace the vault toilets in the overflow area with a new restroom that is accessible in this area. Modify all other existing designated accessible toilets to meet ADAAG. ▪ Provide one ADA-accessible parking space located near the toilets. ▪ Provide one ADA-accessible swimming area at the campground shoreline, sandy beach (upper area), and swim delineator. ▪ Provide one ADA-accessible fishing access trail and pier or platform north of the overflow area. ▪ Provide approximately 10-20 new primitive tent campsites, likely to the north of the current overflow area. ▪ Provide a new group camp area in the existing overflow area. ▪ Provide one outdoor shower facility. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<p><u>Cool Springs Campground</u></p> <ul style="list-style-type: none"> ▪ Provide one new campsite to be ADA-accessible (2 campsites are already accessible). All of the elements provided in these campsites, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be made accessible. ▪ Retrofit the water faucets near accessible elements to meet ADAAG. ▪ Provide one outdoor shower facility. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Alder Creek DUA/Boat Launch</u></p> <ul style="list-style-type: none"> ▪ Modify the boat launch to be ADA accessible. ▪ Provide one ADA-accessible parking space near the toilet. ▪ Expand the existing parking area for added capacity with space for approximately 10-20 additional vehicles with trailers and circulation. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Butt Valley Reservoir Shoreline Trails and Angler Access</u></p> <ul style="list-style-type: none"> ▪ Provide a non-motorized shoreline recreational trail (dirt, not paved) between the Butt Valley Powerhouse fishing area and Cool Springs Campground, with linkage to the three recreation facilities (5 miles). ▪ Provide a non-paved angler access trail (approximately 200 feet) from the existing gravel parking area east of the powerhouse down the slope to the levee. Use of stairs is likely at this location. ▪ Provide an ADA accessible trail (compacted rock-based material) from a pull-out along the Prattville–Butt Valley Road to the eastern shoreline of the inlet near the levee (approximately 700 feet), terminating at an ADA-accessible fishing pier or platform. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<p><u>Butt Valley Reservoir Shoreline Dispersed Boat-in and Walk-in Sites</u></p> <ul style="list-style-type: none"> ▪ Provide five boat-in shoreline dispersed campsites with tent pad, fire ring, and picnic table near the western shoreline. The sites will be pack-it-in/pack-it-out sites. ▪ Provide a single vault toilet will be located nearby with road access. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<ul style="list-style-type: none"> ▪ Provide approximately three walk-in shoreline dispersed day use sites near the dam on the western shoreline. Each site will include a picnic table. The vault toilet (see above) will be located nearby. ▪ Provide approximately three small roadside pull-outs with short trails along the eastern shoreline of the reservoir. 	
<i>Belden Forebay Area</i>	
<u>Belden Forebay Car-top Boating Access</u> <ul style="list-style-type: none"> ▪ Modify the shoreline at this site to provide improved access for launching small hand-launch watercraft (kayaks, canoes, rafts, and small fishing boats) at the Belden Forebay. ▪ Provide a parking area for 10-15 vehicles near the car-top boat launch at an existing undeveloped parking area near the Caribou Village. ▪ Provide a vault toilet. ▪ Post signage showing the Plumas County boating speed limit (5 mph) and boat size (less than 10 hp) ordinance for small reservoirs. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.
<u>North Fork Fishing Trail</u> <ul style="list-style-type: none"> ▪ Provide improved trail access from the Belden Forebay parking area located near the Caribou Village gate (see above) to the upstream side of the Caribou Powerhouse I. ▪ Provide new trail signage. ▪ Retrofit the existing metal trail decking and railing at the powerhouse above the turbine outlets to provide increased access and safety. ▪ Improve the trail along the chain-link fencing at the powerhouse yard to provide a wider, even trail base. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance (Belden Forebay to Caribou Powerhouse 1).
<i>Belden Rest Stop (SR 70)</i>	
<ul style="list-style-type: none"> ▪ Provide two ADA-accessible picnic tables with accessible access routes. ▪ Provide accessible access routes to the gazebo and overlook area next to the creek and to the Eby Stamp Mill historical feature. Also see I&E Program (listed elsewhere). ▪ Replace the existing vault toilets when major renovation is needed. 	<ul style="list-style-type: none"> ▪ Provide annual O&M for the term of the new license, including long-term facility maintenance.

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
<ul style="list-style-type: none"> ▪ Provide erosion control on the slope between the parking lot and upper picnic area. ▪ Relocate the existing picnic tables and grilles down to the lower level and disperse them from the Eby Stamp Mill to the gazebo near the creek. 	
<p><i>Project Programs and RRMP Implementation</i></p>	
<p><u>Interpretation and Education (I&E) Program</u></p> <ul style="list-style-type: none"> ▪ See programmatic proposals. 	<ul style="list-style-type: none"> ▪ Licensee will develop a plan for an I&E Program for the Licensee's Project facilities (a Draft RRMP program element). It is anticipated that the I&E Program will be multiple-resource based and will include improvements such as interpretive or informational signs, kiosks, and reservoir boating safety and hazard information signs and brochures, informational signs on recreation facilities, and visitor choices in the area. The I&E Program will be developed (in consultation with other stakeholders during the first 5 years after the new license is received).
<p><u>Lake Almanor Seasonal Resource Protection and Visitor Management Control</u></p> <ul style="list-style-type: none"> ▪ See programmatic proposals. 	<ul style="list-style-type: none"> ▪ Assuming a new county ordinance is passed that limits vehicle travel below the 4,500 ft elevation, except in designated areas, Licensee will partially fund (50%) a seasonal Plumas County Sheriff's Department land-based position. This position will focus on improved visitor management and enforcement of rules and laws, peak period visitor crowd management, and enforcement of no vehicles below 4,500 ft elevation, with exceptions for boat dock maintenance and other related repairs.
<p><u>Draft RRMP Implementation</u></p> <ul style="list-style-type: none"> ▪ See programmatic proposals and Appendix E5-T. 	<ul style="list-style-type: none"> ▪ The Licensee has developed a Draft RRMP. The Draft RRMP includes several programs including a Facility Development Program, O&M Program, Monitoring Program, I&E Program (previously discussed), Resource Integration Program, and Plan Review and Update Program. The Facility Development Program and O&M Program will further detail the items listed above. The Monitoring Program defines both customary data collection efforts (such as paid fee receipts and vehicle counts used for completing FERC Form 80 every 6 years), as well as periodic visitor

Facility (Capital Improvement) Proposals	Programmatic (O&M) Proposals
	<p>surveys every 12 years (if needed). These efforts will be used to assess facility capacity thresholds over time. The Resource Integration Program defines how recreation decision-making is coordinated with other resource areas through periodic coordination meetings. The Plan Review and Update Program defines how the Draft RRMP may be updated over time to address changing conditions.</p>
<p><u>New County Ordinances, Boater Hazard Marking, and Boater Bathymetry Maps</u></p> <ul style="list-style-type: none"> ▪ See programmatic proposals. 	<ul style="list-style-type: none"> ▪ The Licensee will support new Plumas County ordinances that restrict vehicular access to the shoreline below the 4,500 ft elevation at Lake Almanor, with specific exceptions as appropriate; and restrict watercraft use on Belden Forebay to smaller watercraft including canoes, kayaks, rafts, and small horsepower fishing boats, as appropriate. ▪ The Licensee will work with the Plumas County Sheriff's Department to implement the expected MOU between the Licensee and Plumas County to remove and mark significant known boating hazards on an annual basis. ▪ A Lake Almanor bathymetry map will be developed for easy interpretation of the lake's bottom profile. The map will be available in pamphlet form to the boating public, and will be posted on signs at public boat launches.
<p><u>Belden Reach Bramble Control Testing</u></p> <ul style="list-style-type: none"> ▪ See programmatic proposals. 	<ul style="list-style-type: none"> ▪ The Licensee will test different techniques to control brambles, primarily Himalayan Blackberry, to improve access at 2-4 test sites in to the Belden Reach for fishing and shoreline access.

Source: EDAW, Inc.

E5.4.1 Lake Almanor

The Licensee has centered the majority of its recreational proposals in the Lake Almanor area where the majority of the resources, public use, and needs exists. The Licensee has six developed public recreation facilities currently at Lake Almanor; however, 18 areas are proposed for recreational enhancements. Below are recreation facility and programmatic proposals for area-wide actions and site-specific actions for the UNFFR Project.

E5.4.1.1 Area-Wide Proposals

The Licensee proposes two area-wide recreation proposals related to the Lake Almanor. The first proposal relates to the Lake Almanor Recreation Trail (LART) that is operated by the Forest Service. The second proposal relates to the Southwest Shoreline Access Zone. This shoreline zone extends from south of Lake Almanor West Community Club to the Canyon Dam Boat Launch/DUA at Lake Almanor.

E5.4.1.1.1 Lake Almanor Recreation Trail

E5.4.1.1.1.1 Recreation Facility (Capital Improvement) Proposals

- Provide easements for public trails across Licensee-owned lands where suitable. In addition, two shoreline access sites proposed at Stover Ranch-Chester and Super Channel-Chester may also serve as future trailheads for a planned extension of the LART by others from Chester to the trail's current northern terminus. These proposals may be used by the Forest Service and Chester Recreation and Parks District in a future trail grant application for this trail extension.

E5.4.1.1.1.2 Recreation Programmatic (O&M) Proposals

- No annual trail-related O&M funding will be provided by the Licensee for the LART.

E5.4.1.1.2 Southwest Shoreline Access Zone

E5.4.1.1.2.1 Recreation Facility (Capital Improvement) Proposals

- In consultation with the Forest Service, improve 4 existing shoreline access roads and terminus sites at or near the 4,494 ft elevation to provide improved vehicular/pedestrian access at Lake Almanor.
- Provide barriers, signs, new gravel parking areas, and gravel access roads at these sites.
- Rehabilitate other disturbed vehicular/OHV access routes, possibly with pedestrian trail access only.
- Work with the Forest Service to design and implement this proposed PME after license issuance.
- In the I&E Program, educate the public on new restrictions regarding no vehicular access below the 4,500 ft elevation.

E5.4.1.1.2.2 Recreation Programmatic (O&M) Proposals

- Once the four shoreline access sites are improved, provide for the annual O&M needs at these four sites and their access routes.

E5.4.1.2 Site-Specific Proposals

E5.4.1.2.1 Last Chance Campground/Group Camp

E5.4.1.2.1.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: modify two campsites and existing toilets to be ADA-accessible. Also provide an ADA-accessible access route leading to the nearby creek.
- Provide six additional future campsites to help keep use levels within capacity limits. Provide a new double vault toilet at that time.

E5.4.1.2.1.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.2 Lake Almanor Campground (Loops 1, 2, and 3)

E5.4.1.2.2.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: modify 10 campsites to be ADA-accessible (four at Loop 1, three at Loop 2, and three at Loop 3). All of the elements provided in the campsite, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be accessible. In addition, retrofit eight existing designated accessible campsite to meet ADAAG (four at Loop 1, two at Loop 2, and two at Loop 3), and one additional ADA-accessible campsite is needed at both Loop 2 and Loop 3 to meet the minimum 10 ADA-accessible campsites needed. Provide an ADA-accessible access route to the water's edge and an accessible swim beach and swim delineator.

- Retrofit existing facilities as needed, such as the camp library box, telephones, and the envelope box at the pay station, to meet ADAAG height standards; and provide ADA-accessible access routes. Retrofit the existing water faucets near accessible elements, such as toilets and campsites, to meet ADAAG.
- Modify the surface and slope of the access routes of two of the toilets (near entry and near Site 100) to meet ADAAG (Loop 2). Relocate the interior pay station directly across the road on a level, firm, and stable surface (Loop 2).
- Convert the existing group site/overflow area south of Loop 3 (area where the LART is to be extended) into an expanded DUA/swim beach.
- Replace older Klamath stoves (a low-style camp stove with a stovepipe).
- Revegetate areas disturbed by pedestrian or vehicle traffic.
- Relocate and construct 20 new designated RV campsites from the Loop 3 overflow area to the overflow area north of Loop 1. Provide a new double vault toilet.
- Provide one indoor shower facility to serve each of the three campground loops (3 total).
- Provide a new entrance kiosk to service the three campground loops.
- Provide bear-proof food lockers at each campsite, over 5 years (151 sites).

E5.4.1.2.2.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.3 Camp Conery Group Camp

E5.4.1.2.3.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: provide one ADA-accessible parking space to adhere to ADAAG. Provide a new ADA-accessible cabin with accessible restroom. Reposition the telephone on the wall of the central group meeting facility so that its height does not exceed ADAAG.
- Retrofit the water faucet near accessible elements to meet ADAAG.
- Expand existing group facilities to provide for one additional group reservation camping area (space for either 2 smaller groups of 8 RVs or 1 larger group of 16 RVs) adjacent to the existing group facilities. As an option, explore the potential of locating a new group site next to Canyon Dam DUA (if needed).
- Repair and resurface the access road.
- Provide indoor showers (2).

E5.4.1.2.3.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.4 Eastshore Campground and Day Use Area (a New Future Licensee Recreation Facility)

E5.4.1.2.4.1 Recreation Facility (Capital Improvement) Proposals

- Provide a new campground on Licensee land along the east shore of Lake Almanor in three phases with up to 95 new tent and RV campsites total.

Provide bear-proof food lockers, 3 restrooms/indoor showers, plus infrastructure.

- Provide boat moorage slips.
- Provide a designated swimming area in the existing cove, a picnic area, and shoreline access trails.
- Provide camp host sites.
- Initiation of development would not occur until capacity thresholds have been reached at Lake Almanor area public campgrounds. Three campground loops are anticipated with one loop being constructed in each of the three phases.

E5.4.1.2.4.2 Recreation Programmatic (O&M) Proposals

- Once constructed, provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.5 North Shore Public Boat Launch

E5.4.1.2.5.1 Recreation Facility (Capital Improvement) Proposals

- Provide a new public fee boat launch with loading float to provide boat launch service to the adjacent Chester community, as well as other surrounding residents and North Shore Campground users.
- Improve the old highway roadbed to create a separate access road to boat launch area.
- Provide maneuvering area and parking for 40 trailers and 12 single cars.
- Provide boathouse and toilet (double vault) facilities.

- Provide dredging for a boat access channel (estimated at 1,000 ft long).
- Relocate impacted RV campsites (22) elsewhere within the campground in consultation with the lessee.
- Relocate the existing boat slips to the new boat launch area.

E5.4.1.2.5.2 Recreation Programmatic (O&M) Proposals

- Supplement the lessee's annual O&M (for the boat launch area only) for the term of the new license, including long-term facility maintenance.

E5.4.1.2.6 Eastshore Group Camp Conversion

E5.4.1.2.6.1 Recreation Facility (Capital Improvement) Proposals

- Convert the existing low use picnic area into an RV group reservation campsite (to accommodate either 1 larger group of 16 RVs or 2 smaller groups of 8 RVs).
- Improve circulation to accommodate RVs; widen the entrance road.
- Provide bear-proof food lockers or food center.
- Provide one ADA-accessible parking space near the toilet. Provide ADA-accessible access routes to the trash receptacles.
- Provide an improved trail down to the shoreline with switchbacks and stairs; provide erosion control on the hillside.

E5.4.1.2.6.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.7 Almanor Scenic Overlook

E5.4.1.2.7.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: provide an accessible access route leading to the restroom to adhere to ADAAG. Provide one accessible parking space to adhere to ADAAG.
- Expand this site to include new day use picnicking with five new picnic tables linked by a trail. Perform vegetative brushing and clearing to restore the views from this site to Lake Almanor, Mt. Lassen, and the dam.

E5.4.1.2.7.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.8 Canyon Dam DUA

E5.4.1.2.8.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: provide one accessible parking space to adhere to ADAAG located adjacent to the landscaped island in the center of the parking area. Retrofit the water faucets near accessible elements to meet ADAAG and reconnect the water system with the water supply across the highway. Modify eight picnic tables to be accessible and provide eight more picnic tables.

Improve the swim beach with an accessible route, sandy beach, and swim delineator.

- Replace the large informational sign at the site's entrance with an informational kiosk providing information on recreation opportunities at Lake Almanor.
- Provide approximately 20 additional parking spaces. Provide circulation and parking at the kiosk.
- Provide 1 outdoor shower.

E5.4.1.2.8.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.9 Canyon Dam Boat Launch/DUA

E5.4.1.2.9.1 Recreation Facility (Capital Improvement) Proposals

- Extend 1 ramp lane so that toe of ramp is at 4,466' elevation, providing launching access to the low pool level. Construct the ramp extension in 10 ft increments during low water years (60 ft total length is estimated).

E5.4.1.2.9.2 Recreation Programmatic (O&M) Proposals

- Forest Service to continue to provide O&M.

E5.4.1.2.10 Catfish Beach Primitive DUA/Campground

E5.4.1.2.10.1 Recreation Facility (Capital Improvement) Proposals

- Provide gravel access road across private property and a gravel parking area.
Secure a road access easement to the site.
- Provide primitive picnic facilities (10 picnic sites) and a single-vault toilet.
- Provide primitive camping facilities (10 campsites). Provide for a management presence with a camp host or caretaker RV site (sited nearby at Stover Ranch).

E5.4.1.2.10.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.11 Westwood Beach DUA

E5.4.1.2.11.1 Recreation Facility (Capital Improvement) Proposals

- Provide improved public shoreline day use access at this site by developing a new raised parking area separated from the highway with one ingress/egress point at the north end of the site (parking for 10 vehicles).
- Provide signage, an ADA-accessible sealed vault toilet and six picnic tables.
- Provide erosion control at the shoreline (low bank)
- Provide a sandy beach (upper area) and a swim delineator.

E5.4.1.2.11.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.12 Stumpy Beach DUA

E5.4.1.2.12.1 Recreation Facility (Capital Improvement) Proposals

- Provide improved shoreline day use access at this site by developing parking stalls parallel to the highway at the existing wide pullout area along the highway (parking for 8-10 vehicles).
- Provide signage, an ADA-accessible sealed vault toilet and five picnic tables (at the south end of the site).
- Provide four benches at the parking level for use as a lake and mountain vista point.
- Provide trails at the northern and southern portions of the site, with the southern trail to be ADA-accessible to the picnic area.
- Provide erosion control at the shoreline due to wind-caused wave action.
- Provide a sandy beach (south end) and swim delineator.

E5.4.1.2.12.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.13 PSEA Public Swim Beach

E5.4.1.2.13.1 Recreation Facility (Capital Improvement) Proposals

- Expand and improve the existing sandy beach and provide a swim delineator.

- Replace the two single-vault toilets and the water faucet.
- Replace 10 picnic tables.
- Provide gravel parking area.

E5.4.1.2.13.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.14 Almanor Beach Expansion

E5.4.1.2.14.1 Recreation Facility (Capital Improvement) Proposals

- Work with the Forest Service to expand the existing sandy beach area.
- Provide additional paved parking area (10- 20 vehicles).

E5.4.1.2.14.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance. This assumes the Licensee's concessionaire may manage this site in the future once all new improvements have been completed.

E5.4.1.2.15 Stover Ranch-Chester Shoreline Access

E5.4.1.2.15.1 Recreation Facility (Capital Improvement) Proposals

- Coordinate with the Chester PUD and Chester Recreation and Parks District.
- Provide a gravel parking area (10 to 20 spaces) and trail to the shoreline.

- Provide an interpretive sign, 4 picnic tables, and a double-vault toilet.
- Provide a camp host or caretaker RV site for a management presence at new northern recreation sites.

E5.4.1.2.15.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.1.2.16 Super Channel-Chester Shoreline Access

E5.4.1.2.16.1 Recreation Facility (Capital Improvement) Proposals

- Provide gravel parking area (10-20 spaces) with barricades and gate to restrict vehicular access to the shoreline
- Provide a trail to the shoreline.

E5.4.1.2.16.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.2 Butt Valley Reservoir

The Licensee has proposed a number of recreational proposals in the Butt Valley Reservoir area where it has three existing developed recreation facilities. This recreation area provides a distinctly different recreation experience compared to Lake Almanor. As a result, the Licensee's proposals reflect this difference. Additional opportunities for primitive experiences are proposed, plus additional opportunities related to boat and bank

fishing. Below are recreation facility and programmatic proposals for area-wide actions and site-specific actions for the UNFFR Project.

E5.4.2.1 Area-wide Proposals

E5.4.2.1.1 Recreation Facility (Capital Improvement) Proposals

The Licensee proposes two area-wide recreation proposals at Butt Valley Reservoir. These proposals are related to new reservoir shoreline trails and angler access opportunities, plus new reservoir shoreline dispersed boat-in and walk-in sites. These are presented below.

E5.4.2.1.1.1 Shoreline Trails and Angler Access

- Provide a non-motorized shoreline recreational trail (dirt, not paved) between the Butt Valley Powerhouse fishing area and Cool Springs Campground, with linkage to the three recreation facilities. One section of the trail will be ADA-accessible (compacted material) from Ponderosa Flat Campground terminating at an ADA-accessible fishing pier or platform north of the campground overflow area.
- Provide two improved angler access trails from two locations near the powerhouse. One non-paved trail (approximately 200 feet) would extend from an existing gravel parking area next to the powerhouse and extend down a steep slope east of the powerhouse to the levee below. Use of stairs is likely at this location. The second trail (approximately 700 feet) would be from one of several pullouts along Prattville-Butt Valley Road near the powerhouse. A

new trailhead parking area would be created. This trail would extend to the eastern shoreline of the inlet near the levee and would be ADA-accessible (compacted rock-based material).

E5.4.2.1.1.2 Shoreline Dispersed Boat-in and Walk-in Sites

- Provide approximately five boat-in shoreline dispersed campsites on the western shoreline of the reservoir near the dam. Each site would have a tent pad, fire ring, and picnic table near the shoreline. The sites will be pack-it-in/pack-it-out sites and will be located in suitable areas. A single-vault toilet will be located nearby with existing road access.
- Provide approximately three walk-in shoreline dispersed day use sites near the western shoreline. Each site will include a picnic table. The vault toilet (see above) will be located nearby.
- Provide approximately three small roadside pullouts with short trails along the eastern shoreline of the reservoir.

E5.4.2.1.2 Recreation Programmatic (O&M) Proposals

E5.4.2.1.2.1 Shoreline and Angler Access Trails

- Provide annual O&M for a dirt trail between Cool Springs Campground and the Butt Valley Powerhouse area and two angler access trails near the powerhouse for the term of the new license, including long-term facility maintenance.

E5.4.2.1.2.2 Shoreline Dispersed Boat-in and Walk-in Sites

- Provide annual O&M for five boat-in dispersed shoreline campsites on the western shoreline near the dam, including a vault toilet, for the term of the new license, including long-term facility maintenance.
- Provide annual O&M for three walk-in shoreline dispersed day use sites near the dam on the western shoreline for the term of the new license, including long-term facility maintenance

E5.4.2.2 Site-Specific Proposals

E5.4.2.2.1 Ponderosa Flat Campground

E5.4.2.2.1.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: modify four campsites to be ADA-accessible. All of the elements provided in the campsite, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be accessible. Retrofit the existing designated accessible campsites to be accessible per ADAAG. Provide an ADA-accessible access route for the restroom near Site 45. Replace the vault toilets in the overflow area with a new restroom that is accessible in this area. Modify all other existing designated accessible toilets to meet ADAAG. Provide one ADA-accessible parking space located near the toilets.
- Provide a swimming area at the campground that is ADA-accessible with a sandy beach and swim delineator.
- Provide a new fishing access trail and pier or platform north of the overflow area and also make it ADA-accessible.

- Provide approximately 10-20 new primitive tent campsites north of the current overflow area.
- Provide a new formalized group camp in the existing overflow area.
- Provide one outdoor shower.

E5.4.2.2.1.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.2.2.2 Cool Springs Campground

E5.4.2.2.2.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: provide one new campsite to be ADA-accessible (two campsites are already accessible). All of the elements provided in these campsites, such as the picnic table, fire ring, cooking grill, tent or RV area, and water faucet, will be made accessible. Retrofit the water faucets near accessible elements to meet ADAAG.
- Provide one outdoor shower.

E5.4.2.2.2.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.2.2.3 Alder Creek DUA/Boat Launch

E5.4.2.2.3.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: modify the boat launch to be accessible to meet ADAAG.
Provide one ADA-accessible parking space near the toilet.
- Expand the existing parking area for added capacity with space for approximately 10-20 additional vehicles with trailers and improved circulation.

E5.4.2.2.3.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.3 Belden Forebay Area

The Belden Forebay area currently receives little recreation use or attention by the public. The Licensee proposes to enhance existing recreational opportunities, as well as provide for improved public access to the forebay and North Fork Fishing Trail. Belden Forebay area proposals are presented below.

E5.4.3.1 Belden Forebay Car-top Boating Access

E5.4.3.1.1 Recreation Facility (Capital Improvement) Proposals

- Provide a car-top boat launch and trailhead parking area at an existing parking area next to the gate past the Caribou Village (parking for 10–15 vehicles).
Modify the shoreline at this site to provide improved access for launching small watercraft (kayaks, canoes, rafts, and small fishing boats) at the Belden

Forebay. Provide a vault toilet. Post signage relative to a Plumas County ordinance stating that there is a boating speed limit of less than 5 mph and less than 10 hp boats for reservoirs 35 acres or less, such as this forebay. Belden Forebay would be managed based on a county ordinance (similar to Rock Creek and Cresta Reservoirs [Section 10-1.19]) that provides for no swimming or boating within 0.25 mile of Belden Dam, no swimming or boating at night, and no boat speeds higher than those previously noted.

E5.4.3.1.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for a car-top boat launch and trailhead parking area with vault toilet at the Caribou Village gate at the Belden Forebay for the term of the new license, including long-term facility maintenance.

E5.4.3.2 North Fork Fishing Trail

E5.4.3.2.1 Recreation Facility (Capital Improvement) Proposals

- Provide improved trail access from the Belden Forebay car-top launch/trailhead parking area located near Caribou Village gate (see above) to the upstream side of Caribou Powerhouse 1. Provide new trail signage. Retrofit the existing metal trail decking and railing at the powerhouse above the turbine outlets to provide enhanced access and safety. Improve the trail along the chain-link fencing at the powerhouse yard to provide a wider, even trail base.

E5.4.3.2.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M funding for trail maintenance from the car-top launch/trailhead to Caribou Powerhouse 1 for the term of the new license.

E5.4.3.3 Belden Rest Stop (SR 70)

E5.4.3.3.1 Recreation Facility (Capital Improvement) Proposals

- ADA compliance: provide two ADA-accessible picnic tables with accessible access routes. Provide accessible access routes to the gazebo and overlook area next to the creek and to the Eby Stamp Mill historical features. Also see I&E Program (listed elsewhere).
- Provide erosion control on the slope between the parking lot and upper picnic area.
- Relocate the existing picnic tables and grilles down to the lower level and disperse them from the Eby Stamp Mill to the gazebo near the creek.
- Replace the existing vault toilets when major renovation is needed.

E5.4.3.3.2 Recreation Programmatic (O&M) Proposals

- Provide annual O&M for the term of the new license, including long-term facility maintenance.

E5.4.4 Project Program and RRMP Implementation

In addition to new or expanded public facilities and their maintenance, the Licensee has developed a Draft RRMP for the UNFFR Project. A summary of the Draft RRMP is provided below and is included in Appendix E5-T.

E5.4.4.1 Recreation Programmatic (O&M) Proposal

- The Draft RRMP will include several programs that will clearly define the Licensee's recreation resource responsibilities for the UNFFR Project for the term of the new license. Draft RRMP programs include a Facility Development Program, O&M Program, Monitoring Program, I&E Program, Resource Integration Program, and Plan Review and Update Program. The Facility Development Program and O&M Program detail the proposed enhancements listed above.

The Monitoring Program defines both customary data collection efforts (such as paid fee receipts and vehicle counts used for completing FERC Form 80 every 6 years), as well as future periodic visitor surveys every 12 years (if needed). These efforts will be used to assess facility capacity thresholds over time. The Resource Integration Program defines how recreation decision-making is coordinated with other resource areas through periodic coordination meetings. The Plan Review and Update Program defines how the Draft RRMP may be updated over time to address changing conditions.

E5.4.5 Interpretation and Education (I&E) Program

An important component of the Draft RRMP is the I&E Program. A summary of the I&E Program is presented below and in Appendix E5-T.

E5.4.5.1 Recreation Programmatic (O&M) Proposal

- The Licensee will develop a plan for the I&E Program for the Licensee's Project facilities (a Draft RRMP program element). The I&E Program will focus on Licensee facilities and be multiple-resource based. The I&E Program will likely include improvements such as interpretive or informational signs, kiosks, and reservoir bathymetry information signs and brochures, as well as informational signs on recreation facilities and visitor choices in the area. The plan for the I&E Program will be developed in consultation with other stakeholders during the first 5 years after the new license is received.

E5.4.6 Lake Almanor Seasonal Resource Protection and Visitor Management Control, Boating Hazard Marking, and Boater Bathymetry Maps

The Licensee proposes to address shoreline resource protection and visitor management control needs and enhanced boater safety at Lake Almanor.

- These measures are presented below.

E5.4.6.1 Recreation Programmatic (O&M) Proposal

- Assuming a new county ordinance is passed that limits vehicle travel below the 4,500 ft elevation, except in designated areas, the Licensee proposes to partially fund (50 percent) a seasonal Plumas County Sheriff's Department land-based position. This new position will focus on improved visitor management, enforcement of rules and laws, peak period visitor crowd management, and enforcement of vehicle access restrictions below the 4,500 ft elevation.

- The Licensee will work with the Plumas County Sheriff's Department to implement an expected 2002 Memorandum of Understanding (MOU) between the Licensee and Plumas County to remove and/or mark significant known boating hazards on an annual basis.
- The Licensee will support a new Plumas County ordinance that restricts vehicular access to the Lake Almanor shoreline below the 4,500 ft elevation, with specific exceptions such as dock and ramp maintenance. A separate new boating regulation ordinance at Belden Forebay may also be needed (subject to interpretation) and would be supported by the Licensee.
- The Licensee will prepare a Lake Almanor bathymetry map that will be made available in pamphlet form to boaters and be posted as signs at public boat launches.

E5.4.7 Belden Reach Bramble Control Testing

The Licensee proposes a feasibility study to help control brambles in the Belden Reach. The Licensee will test suitable methods of controlling brambles (Himalayan blackberry) at two to four test sites that will be studied at suitable river access locations that will improve shoreline and fishing access. Mechanical methods and Alder plantings used for shading, as appropriate, will be tested for effectiveness in removing brambles.

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