

156 FERC ¶ 62,070
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

Sacramento Municipal Utility District

Project No. 2101-128

ORDER REVISING SECTION 4(e) CONDITION NOS. 45, 53, AND 56.2

(Issued July 27, 2016)

1. On June 16, 2016, the U.S. Forest Service (Forest Service) filed a request to revise Forest Service section 4(e) condition nos. 45, 53, and 56.2 of the Upper American River Project No. 2101's license;¹ Sacramento Municipal Utility District (SMUD), the project's licensee, supplemented the Forest Service's request with documentation of concurrence filed on July 12, 2016. The Upper American River Project consists of eight developments located on the Rubicon River, Silver Creek, and South Fork American River in El Dorado and Sacramento counties, California. The project occupies, in part, federal lands within the Eldorado National Forest, managed by the U.S. Department of Agriculture, Forest Service, and federal lands administered by the U.S. Department of Interior, Bureau of Land Management (BLM).
2. Forest Service section 4(e) condition nos. 45 (Specific Recreation Measures), 53 (Visual Resource Protection), and 56.2 (Transportation System Management, Specific Transportation Needs) require implementation of measures based on a specific number of years following license issuance. The implementation schedule, when measured literally from the date from license issuance instead of by construction years from license issuance, requires that construction activities be completed by July 23rd of any given construction milestone year. These schedules would cause widespread, simultaneous disruptions or closures to multiple recreation and transportation facilities.
3. SMUD and the Forest Service propose modifying the construction schedules from July 23rd to December 31st for any given construction milestone year to allow the entirety of the calendar year for any given construction.
4. Forest Service section 4(e) condition no. 3, Consultation, gives the Forest Service the right, after notice and opportunity for comment, to require changes in the project and its operation through revision of the section 4(e) conditions. The Forest Service provided the opportunity for comment pursuant to the Relicensing Settlement Agreement. For the

¹ Order Issuing New License, 148 FERC ¶ 62,070 (issued July 23, 2014).

above reasons, Forest Service section 4(e) condition nos. 45, 53, and 56.2 of the license for the Upper American River Project should be revised.

The Director orders:

(A) The U.S. Forest Service and Sacramento Municipal Utility District's requests, filed June 16, 2016 and July 12, 2016, respectively, to revise U.S. Forest Service section 4(e) condition nos. 45, 53, and 56.2 of the Upper American River Project No. 2101 license, are approved. The revised conditions are attached to this order as Appendix A.

(B) This order constitutes final agency action. Any party may file a request for rehearing of this order within 30 days from the date of its issuance, as provided in section 313(a) of the Federal Power Act, 16 U.S.C. § 8251 (2012), and the Commission's regulations at 18 CFR § 385.713 (2015). The filing of a request for hearing does not operate as a stay of the effective date of this order, or of any other date specified in this order. The licensee's failure to file a request for rehearing shall constitute acceptance of this order.

Robert J. Fletcher
Land Resources Branch
Division of Hydropower Administration
and Compliance

Appendix A

Upper American River Project No. 2101

Revised U.S. Forest Service Section 4(e) Condition Nos. 45, 53, and 56.2

Condition No. 45 - Specific Recreation Measures

The following list of initial recreation projects identified at time of license issuance, including construction, reconstruction, and restoration, shall be completed by the licensee at the sites listed below. The licensee will be responsible for the following items requiring FS approval: survey; design; contract preparation and administration; environmental analysis and documentation necessary for construction of proposed facilities, including any, permits; and preparation of "as-built" drawings. The licensee will be responsible for funding the actual capital costs of the below-listed measures. All improvements will become property of FS upon completion, final inspection, and acceptance by FS.

With regard to the bear-proof food storage and trash receptacle facilities described in this section, by July 23 of 2016, the licensee shall develop a plan to install bear-proof food storage lockers and bear-proof trash receptacles at all recreation facilities identified as lacking such equipment. The plan shall include a schedule for installing the bear-proof equipment within 5 years of plan approval by the FS and CDFG. The licensee shall implement the plan according to the schedule.

Buck Island Reservoir Area

North Shoreline

By December 31 of 2018, construct new vault toilet.

West Shoreline

By December 31 of 2018, improve or relocate existing non-motorized trails connecting to the Rubicon Hiking Trail.

High Country Area Trails

Rubicon Hiking Trail

By December 31 of 2016, reconstruct or relocate portions of the trail to meet FS standards and facilitate proper drainage, including improvement of tread on the portion of the trail using the old construction road. Trail width shall accommodate quads for licensee's administrative use only up to the wilderness boundary.

Trail Connecting Pleasant Boat-In Campground to Rubicon Hiking Trail

By December 31 of 2016, reconstruct trail to standard, including tread, vegetation clearing, drainage, and signage.

Crystal Basin

Loon Lake Area

Loon Lake Recreation Plan

By July 23 of 2016, the licensee shall prepare a development plan, to be approved by FS, which addresses impacts to the lakeshore zone and islands from unmanaged recreation, and the need for additional day use opportunities. The licensee shall be responsible for developing sites and/or implementing the measures identified in this plan by December 31 of 2019. The following elements shall be addressed:

- Sanitation.
- User conflicts.
- Carrying capacity.
- Day use versus overnight camping.
- Vehicle control.
- Boating access.
- Emergency resource protection measures.

In addition to the elements above, the following specific areas shall also be addressed:

Evaluate the need for improvements at the old construction road east of the auxiliary dam for use as a car-top boat launch. There is potential for day use and overnight (individual family or group) camping at this site.

Determine appropriate use for area between North Shore Recreational Vehicle Campground and the Main Dam. Consider day use, or continued dispersed camping with appropriate vehicle parking adjacent to the roadway.

Survey all existing dispersed sites to determine where use is suitable; engineer suitable dispersed sites to minimize impacts; and close and restore other dispersed sites in the area using standard FS techniques.

b. Ellis Staging Area

By December 31 of 2016, construct a 2-unit vault toilet.

c. Pleasant Campground

By December 31 of 2024, the licensee shall redesign and reconstruct the 10-unit boat-in campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the Americans with Disabilities Act (ADA). The following describes the specific elements of this condition.

Replace the two single-unit pit restrooms with new accessible vault restrooms that can be serviced by helicopter (By December 31 of 2016).

Reconstruct pathways/routes between camp units and toilets to meet a difficult level of access, where feasible, by widening the pathways to 36-inch minimum, and reducing sustained grades to 8.33 percent and maximum grades to 10 percent for 50 feet or less.

Mark a safe channel to the shoreline.

Regrade camp units to 900-square-foot level compacted surface, with maximum 3 percent cross slope where feasible.

Install bear proof food lockers.

Replace 10 tables with accessible ones, and provide for a clear and level surface of at least 36 inches around each table.

Replace existing stoves with new 18-inch high accessible fire rings and pedestal grills.

Provide appropriate signing that meets FS standards.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

d. Northshore Recreational Vehicle Campground

By December 31 of 2019, the licensee shall upgrade the existing 15-unit campground to meet the current FS design standards and requirements of the Americans with Disabilities Act (ADA), and expand the campground to the east and west to take in areas heavily impacted by dispersed camping. Target capacity will be 35 units. The following are the specific elements of this condition:

Expand facility to the east and west to take in dispersed use on both sides of campground, including new construction of roads, spurs, campsites, tables, grills, and vault toilets as appropriate (restrooms currently inadequate to deal with overuse in area).

Reconstruct spurs in existing loop for units 1, 12, and 13 to 16 feet in width, and reset the barrier rocks 4 feet apart for accessibility.

Replace fire rings in existing loop with 18-inch high accessible fire rings, and provide for a clear and level ground surface of at least 36 inches around each ring.

Develop a potable water system, and provide faucet units for both existing and expanded campground loops.

Install bear proof food lockers in both existing and new loops.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

e. Loon Lake Campground (including Equestrian Loop)

By December 31 of 2026, the licensee shall redesign and reconstruct the 62 unit campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Reconstruct campground entrance road off Ice House Road to meet current standards.
- Construct potable water filling station for recreational vehicles (near boat launch).
- Engineer and reconstruct water storage and distribution system, sized to accommodate new flush toilets, recreational vehicle filling station and shower units. Replace potable water distribution in older section of the campground (Units 1 through 34).
- In loop 1-34, reconstruct roadway to reduce grade to 10percent or less, and repave all roads in the older section.
- Reconstruct all spurs in loop 1-34, and selected spurs in loop 35-53 to 16 feet wide and 25 or 50 feet in length, and reset barrier rocks; reconstruct equestrian loop spurs E-1, E-2, E-8 and E-9.
- Replace the three older toilets with accessible vault toilets, and provide paved turnout in front of each, and paved access route to the toilet entrances.
- Construct one eight-stall shower facility with toilet (including septic system).
- In loop 1-34, replace eight faucets with accessible faucet units with paved apron in front and on sides of units. In loop 35-53, replace faucet controls with paddle-type, self-closing levers and raise height to 32 inches above surface, and raise paved surface around faucets so that it is flush with the top of the sump.
- Replace tables in units 1-24 with accessible ones. Replace or retrofit 24 tables in units 35 through 53 and E-1 through E-9 by replacing the 8-foot-long top boards with 10-foot-long boards and raising the top boards to provide a minimum of 28 inches of clearance under the table ends.

- Replace pedestal grills in units 1 through 34, install at a cooking surface height of 30 to 36 inches and provide a 36-inch clear and level surface around them.
- In units 1 through 34, improve camp pads to minimum of 1,200 square feet level and compacted native surface, no more than 3 percent cross slope. Reset bear proof food lockers if necessary.
- In loop 1-34, construct trash bin pads with paved approaches from the roadway.
- Provide removable stalls at the equestrian units.
- Improve lakeshore access from campground to include accessible trail.
- Reconstruct trail system associated with equestrian camping.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

f. Loon Lake Group Campgrounds

By December 31 of 2026, the licensee shall upgrade Loon Lake Group Site 1 (30 PAOT) and Loon Lake Group Site 2 (50 PAOT) to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace the four faucets at Group Site 1 and the two faucets at Group Site 2 with paddletype, self-closing lever controls, and raise faucets so that the control valve is 32 inches above the ground. Raise grade around faucets flush with the top of the sump.

At Group Site 1, replace or retrofit the 10 tables by replacing the 8-foot top boards with 10-foot boards and raising them to provide 28 inches of minimum of clearance under the table ends. Replace the old tables in the group eating area with accessible tables. At Group Site 2, replace or retrofit five tables by replacing the 8 foot top boards with 10-foot ones, and raising the boards to provide for 28 inches minimum clearance under the table ends. Install an additional accessible table in the group eating area.

Widen one spur in Unit 2 to 16 feet and repave surface.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

g. Loon Lake Group Equestrian Campground

By December 31 of 2026, the licensee shall redesign and reconstruct the five-unit (30 PAOT) group campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Replace existing single unit vault toilet with new accessible vault toilet.
- Replace the two faucet units with accessible ones, and provide for a level and compacted surface in front of and on the sides of the faucet.
- Provide new chip seal surface on roads.
- Regrade and widen pathways and compact native surface.
- Widen the five spurs to 16 feet and resurface with compacted aggregate base rock.
- Replace all tables with accessible ones, and provide a clear and level surface of at least 36 inches around each table.
- Replace existing fire rings with 18-inch-high accessible rings, and provide a clear and level surface of at least 36 inches around each ring.
- Replace pedestal grills and provide a clear and level surface of at least 36 inches around the each grill.
- Regrade tent pads, and enlarge to minimum of 1,200 square feet, keeping grades to 3 percent or less.
- Provide removable stalls for holding horses.
- Replace signboards
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

h. Loon Lake Boat Launch (and Day Use Area)

By December 31 of 2022, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace two picnic tables with accessible ones. Provide a clear and level ground surface of at least 36 inches around each table.

Install bear-proof food lockers to serve overnight recreational vehicle campers.

Level and compact the native surface at each picnic pad. Enlarge the pads to a minimum of 600 square feet to allow room for the table and pedestal grill. Keep grades of the pads to 3 percent or less.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse

containers for accessibility and bear resistance.

i. Red Fir Group Campground

By December 31 of 2034, the licensee shall upgrade the 30 PAOT group campground to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace toilet seats in the two-unit vault toilet with 18-inch-high seats.

Raise control valve on faucet unit to 24 inches above the surface, and replace it with a paddle-type, self-closing lever valve. Pave the surface around the faucet flush with the top of the sump.

Widen the two double spurs to 32 feet, for four of the units. Repave the surface of the spurs.

Replace or retrofit all five tables by raising the top boards to provide a minimum of 28 inches of clearance under the ends of the tables and shorten the seat boards to 6 feet in length.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

Install bear proof food lockers.

j. Loon Lake Chalet

By December 31 of 2022, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Change primary building entrance to south side to address winter safety issues, and provide wheelchair access to second level and deck (consider an interior lift built into south entrance building expansion).
- Provide flush toilets and shower.
- Reroute vehicle access to Chipmunk Bluff Road around the chalet on north side, and provide gate to restrict non Chalet traffic.
- Reconstruct Chalet parking area to improve drainage and ice accumulation during the winter months.
- Continue to provide electrical service and potable water to serve the Chalet through the SMUD/PG&E Fringe Area Service Agreement.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

k. Loon Lake Trailhead

By December 31 of 2022, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. Opened in 1992, facility components are in good condition and not in immediate need of replacement. The following describes the specific elements of this condition.

- Raise the height of the faucet control valve to 34 inches above the ground and replace it with a paddle-type, self-closing lever valve. Raise the surface around the faucet to the top of the sump edge and repave the surface.
- Designate two accessible spaces in the parking lot, and sign one as van accessible.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

l. South Shore of Loon Lake

By December 31 of 2034, develop a new campground (500 PAOT) on the South Shore of Loon Lake between the LL Hiking Trail Facility and Deer Camp. Construct a new paved two lane access road from the existing Loon Lake Campground to the new campground site, including new trailhead parking for the Loon Lake and Desolation area. This site was previously identified as proposed Red Fir Campground in the "Recreation Plan for Crystal Basin, Project 2101, November 1973."

Gerle Creek Reservoir Area

a. Gerle Creek Recreation Plan

By July 23 of 2016, licensee shall prepare a development plan, to be approved by FS that addresses impacts to the Gerle Creek area from unmanaged recreation, and the need for additional day use opportunities. Licensee shall be responsible for the development of sites and/or implementation of measures identified in this plan by December 31 of 2029. The following elements shall be addressed:

Sanitation.

User conflicts.

Carrying capacity.
Day use versus overnight camping.
Vehicle control.
Boating access.
Emergency resource protection measures.

b. Gerle Creek Campground

By December 31 of 2019, the licensee shall redesign and reconstruct the 50-unit campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Replace all vault toilets with new accessible units.
- Replace faucet controls with paddle type self-closing lever controls, and provide level paved pads at front and side of the faucet units.
- Pave access and all interior campground roads. Include a paved parking turnout adjacent to the entrance station.
- Regrade pathways between camp units and spurs/roadway for accessibility.
- Reconstruct and pave all spurs to 16 feet minimum width and cross-slopes at 2 percent or less. Reset barriers 4 feet apart to allow for access from spur to unit.
- Replace all tables with accessible ones and provide for a clear and level ground surface of at least 36 inches around each.
- Replace fire rings with 18-inch-high accessible ones with a clear and level surface of 36 inches around each ring.
- Reset all grills for a cooking surface height of 30 to 36 inches and provide a clear and level surface of at least 36 inches around each grill.
- Level and compact tent pads to a minimum of 1,200 square feet, with a maximum cross slope of 3 percent.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

c. Gerle Creek Day Use Area

By December 31 of 2019, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. Site has an accessible fishing pier. The following describes the specific elements of

this condition.

Improve fishing pier to bring up it to current ADA standards.

Plan and implement hardening improvements along shoreline for hand-launching boats and ADA accessibility.

Replace seats in vault toilet with 18-inch-high seats.

Install French drain to improve drainage near toilet at day use parking area.

Replace faucet with paddle-type, self-closing lever control.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

d. Angel Creek Day Use Area

By December 31 of 2019, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Reconstruct and pave access road and parking. Designate one accessible parking space with a van accessible sign.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

e. Airport Flat Campground

By December 31 of 2024, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA, and harden adjacent dispersed area on the south side of Gerle Creek. The following describes the specific elements of this condition.

- Per access plan, install accessible picnic table, and accessible fire ring (18- inch height with 36-inch level surface around it) at unit 16.
- Harden adjacent dispersed area on the south side of Gerle Creek to accommodate approximately 30 PAOT, including campfire rings, barrier rock, aggregate base rock, and a vault toilet.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance at both the campground and the hardened dispersed area.

- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

f. Angel Creek Trail

By December 31 of 2019, the licensee shall extend the trail to tie to the Summer Harvest Trail.

Summer Harvest Trail

By December 31 of 2019, upgrade trail surface to a similar standard (aggregate base) as the new trail at Angel Creek Day Use Area. Replace missing or damaged interpretive signs as needed.

Union Valley Reservoir Area

a. Union Valley Recreation Plan

By July 23 of 2016, licensee shall prepare a development plan, to be approved by FS that addresses impacts to the Union Valley area from unmanaged recreation, and the need for additional day use opportunities. Licensee shall be responsible for the development of sites and/or implementation of measures identified in this plan by December 31 of 2024. The following elements shall be addressed:

- Sanitation (including adequate facilities accessible near the Ice House Road/Jones Fork Silver Creek crossing).
- User conflicts.
- Carrying capacity.
- Day use versus overnight camping.
- Vehicle control.
- Boating access.
- Emergency resource protection measures.

b. Union Valley Reservoir Boating Management

By July 23 2016, develop a plan that addresses reservoir surface use and hazards, and implement on a schedule described in the plan following approval by FS, CFG and FERC

Elements of this plan will include:

- User conflicts between differing types of watercraft.
- Human and wildlife conflicts.
- Marking or removal of manmade underwater hazards to enhance boater safety.
- Speed limits and need for marker buoys.

c. Azalea Cove Campground

By December 31 of 2019, the licensee shall complete the following specific elements:

Provide paved off site parking area for 10 vehicles at the intersection of the existing service road and the bike trail.

Develop a potable water source and distribution system.

Improve shoreline adjacent to facility to enhance boating access.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

d. Big Silver Group Campground

By December 31 of 2034, the licensee shall upgrade the existing facilities offered at this 50 PAOT group campground. The following describes the specific elements of this condition.

Develop a potable water system.

Construct a shade structure.

Install bear-proof food lockers.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

e. Camino Cove Campground

By December 31 of 2029, upgrade existing facilities to meet current FS standards. The following are the specific elements of this condition:

- Pave all roads and spurs in the campground.
- Develop campground host site (including septic and water).
- Install accessible picnic tables at all sites.
- Provide a potable water system and faucet units.
- Construct trash bin pads with paved approaches, and purchase or retrofit

refuse containers for accessibility and bear resistance.

- Install bear-proof food lockers at all camp units.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

f. Fashoda Campground

By December 31 of 2024, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Repave parking area and access roads. Designate two additional accessible parking spaces (in addition to one for unit 6), including one space to be constructed and signed as van accessible near camp units 12 to 16.
- Retrofit all 29 tables for accessibility by replacing the 8-foot table top boards with 10-foot boards and raising the boards to provide a minimum of 28 inches of clearance under the ends of the table.
- Construct an amphitheater with accessible access routes, seating to accommodate 200 people,
- Install bear-proof food lockers at each camp site.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

g. Fashoda Day Use Area

By December 31 of 2024, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Provide a 16-foot-wide designated parking space at unit 4 and sign parking as accessible (similar to the one at unit 5).
- Replace or retrofit the four remaining tables (unit 5 is already accessible) by replacing the 8-foot-long top boards with 10-foot-long boards, and raising the boards to provide a clearance of 28 inches minimum under the table ends.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between

campsites and use areas.

h. Jones Fork Campground

By December 31 of 2034, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Where feasible, reconstruct and pave spurs to 16-foot minimum width, with slopes and cross-slopes at 2 percent or less. Reset barrier rocks to allow for 4 feet between them for access to the camp unit.

Provide potable water source and distribution system.

Replace fire rings with 18-inch-high accessible fire rings.

Formalize access routes to the shoreline from the campground.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

i. Lone Rock Campground

By December 31 of 2034, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Provide potable water system.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

j. Sunset Campground

By December 31 of 2019, the licensee shall redesign and reconstruct the 131 unit campground, retaining existing family unit capacity on existing footprint, to meet the current FS design standards and requirements of the ADA, and add a Group Site. The following describes the specific elements of this condition.

Replace all 15 two-unit vault toilets with a combination of vault and flush toilets (where septic system is feasible). Relocate some toilets to reduce the distance between them and to avoid the steeper sections of the roads that have grades over 10 percent. Construct paved turnouts in front of each toilet, and provide a paved access route to the toilet entrances.

Construct one eight-stall shower facility with toilet (including septic system).

Construct potable water filling station for recreational vehicles.

Engineer and reconstruct water storage and distribution system, sized to accommodate new flush toilets, recreational vehicle filling station and shower units.

Replace any non-accessible faucet units with new units of ADA- approved design. Provide a level and compacted surface on the sides and in front of each faucet unit.

Construct a campground entrance station with building to serve the Sunset peninsula facilities.

Pave access and all interior campground roads.

Where feasible, reconstruct and pave all spurs to 16-foot minimum widths and 25- or 50- foot lengths, with slopes and cross slopes at 2 percent or less. Set barrier rocks 4 feet apart for access from spur to unit.

Replace all tables with accessible ones, level surfaces, and provide 36 inches of clearance around tables.

Replace all grills that have exceeded their service life, and reset newer grills to accessible cooking surface height of 30 to 36 inches. Provide 36 inches of clear level area around pedestal grills.

Where feasible, level and regrade tent pads to provide 1,200 square feet each, with a maximum cross-slope of 3 percent in all directions. Where feasible, construct raised tent pads for accessibility (27 potential campsites have been identified).

Regrade pathways between camp units and spurs/roadways.

Formalize access routes to the shoreline from the Campground, and consider erosion (wave action) control measures along shoreline.

Replace control valve at the sanitary dump station to a lever-type valve of accessible design.

Add a group site (30 PAOT) on the south side of the access road near Loop 2.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Install bear-proof food lockers at all camp units.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

k. Sunset Boat Launch

By December 31 of 2024, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace toilet seats in the 2-unit vault toilet with 18-inch-high toilet seats, and install accessible signage on the toilet.

Develop five day use picnic sites between the lake shore and the parking area.

Select four spaces close to the launching ramp and the toilet and designate them as accessible spaces. Sign one space as van accessible.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

l. Wench Creek Campground

By December 31 of 2032, the licensee shall redesign and reconstruct the 100-unit campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Construct potable water filling station for recreational vehicles.
- Engineer and reconstruct water storage and distribution system, sized to accommodate new flush toilets, recreational vehicle filling station and shower units (at both the family and group campgrounds).
- Replace the four two-unit flush toilets and nine two-unit vault toilets with accessible toilets in kind. Relocate the toilets closer to the roadway or to flatter locations. Construct paved turnouts in front of each toilet and a paved access route to the toilet entrances.
- Construct a campground entrance station with building.
- Pave access and all interior campground roads, and restripe.
- Where feasible, widen 16 narrow spurs to 16 feet in width. For the 84 double spurs, widen the first 30 to 16 feet. Repave all spurs. Reset barrier rocks 4 feet apart for access into camp units.
- Level and compact tent pads, enlarging them to 1,200 square feet minimum, with no more than 3 percent cross slope.
- Regrade and compact pathways between camp units and spurs/roadway.
- Replace all 100 tables with accessible ones. Reset or replace all pedestal grills to a cooking surface height of 30 to 36 inches above the ground, and provide a clear and level ground surface of at least 36 inches around each grill.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Construct two eight-stall shower facilities with toilet (including septic systems).
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.
- Install bear proof food lockers at each camp site.

m. Wench Creek Group Campground

By December 31 of 2032, the licensee shall redesign and reconstruct the two 50 PAOT group sites, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace the six-unit flush restroom in unit 1 with a flush toilet building of accessible design, and replace the four-unit flush restroom in unit 2 with a six-unit flush toilet building of accessible design. Include two shower stalls in each toilet building.

Widen all parking spurs to 16 feet, and repave them.

Widen all pathways in both areas (between cooking and eating areas, restrooms, tent camping areas and group fire ring areas) to 6 feet minimum; level and surface with aggregate base rock.

Design and construct paved, accessible trails from each group site to the shoreline of Union Valley Reservoir.

Replace tables with accessible ones. Provide a clear and level ground surface of at least 36 inches around each table.

Regrade tent pad areas. Provide for a minimum of 25 tent pads in each group area.

Install bear-proof food lockers at each camp site.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Regrade group cooking and eating areas.

Pave access and all interior campground roads, and restripe parking lot and designate/sign one van accessible parking space.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

n. West Point Campground

By December 31 of 2022, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. Design and construct expansion of the existing family campground by 25 units, and add a group campground (30 PAOT) adjacent to the facility, across the road to meet current FS standards. The following are specific elements of this condition.

Expand campground by 25 additional units to include roads, spurs, barriers, fire rings, tent pads, and additional restrooms.

Pave all campground roads and spurs.

Develop a water system to serve the campground, existing and expanded.

Provide accessible tables at all existing and new campsites.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

Survey all remaining dispersed sites on the West Point peninsula to determine where use is appropriate; engineer suitable dispersed sites to minimize impacts; and close and restore other dispersed sites in the area using standard FS techniques.

Install bear-proof food lockers at each camp site.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse

containers for accessibility and bear resistance.

o. West Point Boat Launch

By December 31 of 2019, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA.

Construct a cut-off wall along shore side of ramp to protect side of ramp from wave action.

Replace toilet seats in the existing two-unit vault toilet with 18-inch high seats and install the required accessible toilet signs.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Remove and restore dispersed camp sites adjacent to this facility using standard FS techniques.

Develop boat ramp extension designs for review and approval by FS, CDFG, and SWRCB. Construction of boat ramp extension shall be completed by December 31 of the 2nd year following design approval.

p. Wolf Creek Campground

By December 31 of 2032, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA. The following are the specific elements of this condition.

Pave all roads in the campground.

Install bear-proof food lockers.

Construct one eight-stall shower facility with toilets (including septic system).

Engineer and reconstruct water storage and distribution system, sized to accommodate shower units.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

q. Wolf Creek Group Campground

By December 31 of 2032, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA.

Pave all roads.

Construct one eight-stall shower facility with toilets (including septic system).

Install bear-proof food lockers.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

r. Yellowjacket Campground

By December 31 of 2022, the licensee shall redesign and reconstruct the 40-unit campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes specific elements of this condition.

Replace four two-unit flush toilets and one two-unit vault toilet with accessible buildings in kind.

Construct one six-stall shower facility with toilets (including septic systems).

Widen spurs for units 1, 2, 5, and 27 through 31 to 16 feet and repave surface. Reset the barrier rocks 4 feet apart for access to the camp unit.

Replace all 40 tables with accessible ones, and provide a clear and level ground surface of at least 36 inches minimum around each table.

Replace or reset pedestal grills to the accessible cooking surface height of 30 to 36 inches, and provide a clear and level ground surface of at least 36 inches around each grill.

Improve pathways between camp units and spurs/roadway.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Where feasible, level and compact camp units to minimum of 1,200 square feet, with grades to 3 percent or less.

At sanitary dump station, cut out part of the concrete island in front of the water tower to reach the control valve from the turn out. Lower the control valve, and replace it with a lever-type control valve.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

Install bear proof food lockers.

s. Yellowjacket Boat Launch

By December 31 of 2019, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA.

- Engineer and extend boat ramp with cutoff wall to address low-water conditions, to eliminate sand and material from depositing on the ramp and to prevent undercutting of the ramp.
- Engineer and construct a parking facility below the high-water line to

- extend usability of the boat ramp under low-water conditions.
- Replace existing vault restroom with new accessible restroom.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

t. Union Valley Bike Trail

Licensee shall complete the bicycle trail system around Union Valley Reservoir. The following are the specific elements of this condition:

By December 31 of 2024, designate accessible parking spaces at Jones Fork Trailhead.

By December 31 of 2016, expand the paved bike trail from Yellowjacket Campground to connect with the existing trail near Tells Creek, including construction of a suspension bridge or through truss bridge across Tells Creek (approximate span of 200 feet).

By December 31 of 2022, expand the paved bike trail from Wolf Creek Campground to the Union Valley Dam (at West Point Campground).

By December 31 of 2024, construct a native surface nonmotorized mountain bike/hiking trail with a design standard of 60 inches around the south side of Union Valley Reservoir from the Union Valley Dam to Jones Fork Trailhead (where the paved trail begins to the north). A bridge will need to be constructed across Jones Fork Silver Cieek near its confluence with Union Valley Reservoir.

u. North Union Valley Road

By December 31 of 2019, the licensee shall provide access trails from paved (double chip-sealed) turnouts and/or parking pockets along the road to the shore. The licensee shall also restore damaged sites between road and shoreline. (see also Condition No. 59).

Ice House Reservoir Area

a. Ice House Recreation Plan

By July 23 of 2016, the licensee shall prepare a development plan, to be approved by FS that addresses impacts to the Ice House area from unmanaged recreation, and the need for additional day use opportunities. In addition, this plan shall address the whitewater recreation opportunities in South Fork Silver Creek, above and below Ice House Reservoir. The licensee shall be responsible for the development of sites and/or implementation of measures identified in this plan by December 31 of 2022. The following elements shall be addressed:

Sanitation.

User conflicts.

Carrying capacity.

Day use versus overnight camping.

Vehicle control.

Boating access (including day use and overnight camping along the shore).

Vehicle and foot access to the reservoir.

Need for day use recreation opportunities at Ice House to mitigate impacts to surrounding areas (for example, Wrights Lake, Jones Fork, Lyons Creek, Silver Creek).

Determine necessary put-ins, take-outs, and parking for whitewater activities.

Redesign and reconstruct Silver Creek Campground, if necessary. Make a good faith effort to purchase at fair market value suitable real property as such property becomes available, or to obtain a long-term lease or easement for use of such property, to facilitate day use recreation opportunities identified in this plan.

Emergency resource protection measures.

On-river boat patrol.

In addition to the elements above, the following specific areas shall also be addressed:

At the south side of the reservoir, where several dispersed camping sites and user-created access roads exist along the shoreline, determine proper location and size for a small designated boat-in camping area (approximately five units). Determine restoration needs at other areas impacted by dispersed use on south side of reservoir.

b. Ice House Campground

By December 31 of 2022, the licensee shall redesign and reconstruct the 83-unit campground, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

- Where feasible, reconstruct and widen all spurs to 16 feet (plus shoulders) and either 25 or 50 feet in length, depending on site features. Reset barrier rocks 4 feet apart for access into the camp unit.
- For all pathways between camp units and spurs/roadway, remove ground protrusions, regrade and widen the pathways, and compact the native surface. Construct 5-foot-wide access routes into the walk in units at less than 10 percent grade, including any necessary retaining walls on upper side, and surface with aggregate base rock. Add steps if necessary.
- Level and harden pads at campsites.
- Redefine user created foot trails to lake shore
- Repave campground roads and spurs.

- Install bear proof food lockers.
- Replace remaining three two-unit toilets with new accessible vault toilets.
- Replace seats in the six accessible toilets with 18-inch-high seats.
- Replace 80 tables (all except units 81-83) with accessible ones, and provide for a clear ground surface of at least 36 inches minimum around each table.
- Construct a potable water filling station for recreational vehicles.
- Add shower building (with flush toilets) for each half of the campground, or a combined shower facility at the boat launch parking area (between the two campground areas).
- Engineer and reconstruct water storage and distribution system, sized to accommodate recreational vehicle filling station and shower units with flush toilets.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.
- Install bear proof food lockers.

c. Ice House Day Use Area

By December 31 of 2022, the licensee shall redesign and reconstruct the existing 10-unit day use area, retaining existing capacity on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Replace the two-unit toilet with a new two-unit accessible vault toilet. Locate toilet closer to the parking lot for easier access and servicing.

Replace the 10 tables with accessible ones. Provide a clear and level ground surface of at least 36 inches around each table.

Reset all pedestal grills where the cooking height is 30 to 36 inches above the ground. Provide a clear and level ground surface of at least 36 inches around each grill.

Enlarge picnic pads to a minimum of 600 square feet, removing obstacles and leveling and compacting the native surface. Keep grades to 3 percent or less in all directions.

Install curb ramps to access sites from the 13-space parking area.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

d. Northwind Campground

By December 31 of 2029, the licensee shall upgrade the facilities at this existing nine-unit campground to meet the current FS design standards and requirements of the ADA, provide potable water, and address needs for lakeshore access. The following describes the specific elements of this condition.

- Retrofit tables at all nine units by replacing the 8-foot-long table top boards with 10-foot-long boards and raising the boards to provide 28 inches of minimum clearance under the extended ends of the table.
- Reset pedestal grills at all units to provide for a cooking surface height of 30 to 36 inches, and provide a clear and level ground surface of at least 36 inches around each grill
- Replace toilet seats with 18-inch high accessible seats.
- Improve camp pad at each site by removing obstacles, leveling and compacting the native surface. Keep grades to 3 percent or less in all directions
- Reconstruct and widen to 16 feet the spurs for units 2, 7, and 8. Repave the spurs. Reset barrier rocks to provide 4 feet of clearance between them to provide access to these units.
- Install bear proof food lockers.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.
- Develop a potable water system with accessible faucet units.
- Construct lakeshore access (accessible path paved, with a concrete footing/cutoff wall on one side and several level areas for fishing).
- Redesign and pave the fisherman access parking area.
- Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

e. Strawberry Point Campground

By December 31 of 2029, the licensee shall upgrade the facilities at this existing ten-unit campground to meet the current FS design standards and requirements of the ADA, provide potable water, and address needs for lakeshore access. The following are specific elements of this condition:

Retrofit tables at all ten units by replacing the 8-foot-long table top boards with 10-footlong boards and raising the boards to provide for 28 inches of minimum clearance under the extended ends of the table, and clear ground surface of at least 36 inches around each table.

Reset pedestal grills at all units to provide for a cooking surface height of 30 to 36 inches, and provide a clear and level ground surface of at least 36 inches around each grill. If there is not enough room, then reset the grills in a new location.

Replace toilet seats with 18-inch-high accessible seats.

Improve camp pad at each site by removing obstacles, leveling and compacting the native surface. Keep grades to 3 percent or less in all directions.

Reconstruct and widen to 16 feet the spurs for units 3 and 8. Repave the spurs. Reset bamer rocks to provide 4 feet of clearance between them to provide access to these units.

Install bear-proof food lockers.

Develop potable water system with accessible faucet units.

Construct a loop trail around the point for day use recreation. Ensure access to the trail is separated from campsites. Construct accessible lakeshore access.

Reconstruct and pave the day use parking area.

Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

f. Ice House Boat Launch

By December 31 of 2022, the licensee shall upgrade the facilities to meet the current FS design standards and requirements of the ADA and repair damage to boat launch parking lot subgrade and pavement. The following are specific elements of this condition.

- Repair and repave parking area.
- Replace toilet seats with 18-inch-high seats.
- Construct trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

g. Ice House Sanitation Station

By December 31 of 2022, the licensee shall redesign and reconstruct the facility, on existing footprint, to meet the current FS design standards and requirements of the ADA. The following describes the specific elements of this condition.

Reconstruct, stabilize banks and repave the access road.

Provide for adequate ground clearance between drain basin and the water tower.

Replace water control valve with a lever-type control.

h. Ice House Reservoir Lakeshore Road

By December 31 of 2019, licensee shall provide access trails from paved (double chip-seaked) turnouts and/or parking pockets along the road to the shore. The licensee shall also restore damaged sites between road and shoreline. (see also Condition No. 59).

i. Highland Point Day Use Area

By December 31 of 2026, develop Highland Point for fishing access and day use. Land acquisition may be required. Construct new 10- unit picnic area to include:

Paved access roads, parking and vehicle control

Accessible vault toilet

Trails

Accessible picnic tables and grills

Accessible access routes

Trash bin pads with paved approaches, and purchase or retrofit refuse containers for accessibility and bear resistance.

Provide vegetative screening, and use natural materials to restrict indiscriminate pedestrian and bicycle traffic within and between campsites and use areas.

j. Upper Silver Creek Ice House Day Use

By December 31 of 2026, licensee shall develop parking and day use facilities to accommodate existing unmanaged dispersed day use associated with Ice House Reservoir and Silver Creek. The licensee shall make a good faith effort to purchase at fair market value suitable real property as such property becomes available, or to obtain a long-term lease or easement for use of such property, if necessary for these facilities.

Construct paved parking area for 12 to 16 vehicles at the end of the road,
Provide one- or two-unit vault restroom with bear-proof trash receptacle adjacent to the parking area.

Construct a bridge across Silver Creek suitable for bicycle and pedestrian traffic.

A viewing platform/deck with benches shall be built at the end of the parking area near bridge and beginning of Silver Creek Trail.

Construct trail up Silver Creek, with other small viewing platforms constructed (possibly mid way and at terminus of trail).

Provide day use picnic facilities on the southeast side of the bridge with a connecting trail to the paved parking area.

k. Ice House Mountain Bike Trail

By December 31 of 2024, extend the Ice House Mountain Bike Trail (native surface) completely around Ice House Reservoir, including stream and spillway crossings. The licensee shall also construct an interconnecting trail between the Ice House mountain bike trail and the Union Valley mountain bike trail.

Other Crystal Basin Facilities

Big Hill Vista

By December 31 of 2029, the licensee shall upgrade the facilities to meet the current FS design standards requirements of the ADA and provide visitor amenities. The following describes the specific element of this condition.

Install two accessible tables and picnic pads, and purchase or retrofit refuse containers for accessibility and bear resistance.

Canyonlands

Junction Reservoir

Boat Launch at Junction Reservoir by December 31 of 2024, improve boat launch (for day use only).

The following describes the specific elements of this condition.

Pave access road to informal boat launch with turnouts for light traffic.

Provide parking facilities suitable for light trailerable or hand launch boats.

Estimate that the site will accommodate up to 10 spaces, but could be fewer because of topographic constraints. Use site design to implement the desired carrying capacity.

Provide surfaced boat launch extending to low water level.

Provide one- or two-unit vault restroom.

Remove existing dispersed campsites near water edge, and install signage (pack-in/out, visitor education, etc).

Dispersed Area - Bryant Springs Road and South Fork Silver Creek Bridge

By December 31 of 2024, improve access trail (construction road) between Bryant Springs Road and stream. Provide turnouts for parking at take-out site for whitewater boating on South Fork Silver Creek.

Brush Creek Reservoir Boat Launch

By July 23 of 2019, licensee shall prepare a development plan, to be approved by FS that addresses reservoir access, day use opportunities, and facility needs or improvements. Licensee shall be responsible for developing sites and/or implementing measures identified in this plan by December 31 of 2022. The following elements shall be addressed:

Sanitation and garbage.

User conflicts.

Carrying capacity.

Informational and directional signage.

Day use and overnight use.

Vehicle control.

Boating access.

Emergency resource protection measures.

In addition to the elements above, the following areas of concerns shall also be addressed:

Evaluate the need for improvements to provide for shoreline fishing access or an accessible fishing pier on the reservoir.

Slab Creek Reservoir

Boat Launch at Slab Creek Reservoir at Forebay Road

By July 23 of 2016, licensee shall prepare a development plan, to be approved by FS that addresses safe and reasonable boating access, impacts from unmanaged recreation, and the need for additional day use and overnight facilities. Licensee shall be responsible for the development of sites and/or implementation of measures identified in this plan by December 31 of 2019. The following elements shall be addressed:

Foot access that extends to the minimum reservoir level.

Sanitation and garbage.

Parking and vehicle control.

Carrying capacity.

Day use and overnight use.
Informational and directional signage.
Resource protection measures.

In the event that construction of the Iowa Hill Reservoir causes temporary closure of the boat launch access near the dam, the Forebay boat launch and parking facilities shall be completed before the downstream public access is made unavailable.

Boat launch at Slab Creek Reservoir near Dam

By July 23 of 2016, licensee shall prepare a development plan, to be approved by FS, that addresses safe and reasonable boating access, impacts from unmanaged recreation, and the need for additional day use facilities. Licensee shall be responsible for the development of sites and/or implementation of measures identified in this plan by December 31 of 2019 or at the completion of the Iowa Hill Development. The following elements shall be addressed:

Needed improvements to road access from North Canyon Road (County Road 8014 and Forest Road 11N96) to provide for public safety, such as widening, turnaround at boat launch, turnouts, signs (no trailer access).

Provide parking for a minimum of 10 vehicles within a reasonable distance of boat launch.

Improve boat launch and harden to extend to the minimum reservoir level and restrict trailer use.

Provide one-unit vault restroom.

Needs for garbage collection.

Provide resource protection measures at the boat launch and along the access road from North Canyon Road (Forest Road 11N96).

Directional sign at intersection of County Road ELD-8014 and North Canyon Road.

Information kiosk or signboard at boat launch.

The licensee shall be responsible for ensuring that the boat launch is accessible to the minimum reservoir level throughout the license period.

Condition No. 53 - Visual Resource Protection

1. FS and licensee shall meet every 5 years to review opportunities to improve how well Project facilities blend in with the surrounding landscape. The type of rehabilitation/reconstruction work needed will be dependent on current policies, technologies, condition of facilities, impacts to surrounding areas, and other

factors.

2. During planning and prior to any new construction or maintenance of facilities that have the potential to affect visual resources of National Forest System lands (including but not limited to the recreation related construction), the licensee shall file with FERC, a plan approved by FS for the protection and rehabilitation of National Forest System visual resources affected by such construction or maintenance. At a minimum, the plan shall address clearings, spoil piles, and Project facilities involved in such construction or maintenance, like diversion structures, penstocks, pipes, ditches, powerhouses, other buildings, transmission lines, corridors, and access roads. The plan shall address facility configurations, alignments, building materials, colors, landscaping, and screening. The plan shall provide a proposed mitigation and implementation schedule to bring the Project facilities involved in such construction and maintenance affecting visual resources on National Forest System lands into compliance with visual resource standards and guidelines in the Eldorado National Forest Land and Resource Management Plan. Mitigation measures identified for either the visual resource plan for new construction or maintenance or the measures identified for existing facilities shall include, but are not limited to: (1) surface treatments with FS approved colors and natural appearing materials that will be in harmony with the surrounding landscape, (2) use of non-specular conductors for the transmission lines, (3) use of native plant species to screen facilities from view, (4) reshaping and revegetating disturbed areas to blend with surrounding visual characteristics, and, (5) locating transmission facilities to minimize visual impacts.

3. The following mitigation measures to existing facilities will be performed to improve visual quality reductions as follows for improvements that have not already been completed:
 - a. Rubicon Reservoir. By December 31, 2016 paint the metal components of the gaging station, intake booms, telemetry facilities and cable crossing and bucket a nonreflective black color. Perform a visual inspection every 2 years and touch-up or re-paint as necessary to maintain the facility in good condition. Replace galvanized chain link fence at tunnel outlet with black fencing.
 - b. Robbs Peak Forebay. By December 31, 2016 paint galvanized railings with non-reflective black paint. Perform a visual inspection every 2 years and touch-up or re-paint as necessary to maintain the facility in good condition. Replace galvanized chain link fence with black vinyl fencing with black posts. Powder coating is preferred over painted metal. Paint or stain building roof a dark gray color to be approved by FS.
 - c. Robbs Powerhouse Facilities. By December 31, 2022 paint all paintable surfaces the same color as the Robbs Penstock.

- d. Union Valley Dam and Sub-station. By December 2027 sand-blast white paint from guardrail. Paint non-reflective black or replace with core-ten guardrail. Replace all chain link fence with black vinyl fencing with black posts. Powder coated posts are preferred over painted metal.
- e. Loon Lake Sub-station. By December 31, 2016 e paint doors on building dark gray.
- f. Loon Lake Passive Reflector (Wentworth Peak). By December 31, 2016 move the reflector from the skyline to a location with a back-drop. Paint a camouflage design on reflector in colors that allow it to blend in with the natural surroundings. If re-location is not possible because of site-line, investigate alternative technology to replace the facility with a structure with less visual impact.
- g. Loon Lake Gate Shaft. By December 31, 2016 paint roof and building colors approved by FS.
- h. Gerle Reservoir Dam. By December 31, 2016 paint handrail and guardrail non-reflective black.
- i. Licensee-owned Weather Stations. By December 31, 2018 issuance paint all reflective components with non-reflective black paint, except for meteorological sensors.
- j. Jones Fork Penstock. By December 31, 2017 paint the same color as the Robbs Penstock.

Condition No. 56 - Transportation System Management

2. Specific Transportation Needs

- a. By December 31 of 2019, the licensee shall, in accordance with the USFS cooperative road use plan for road use, funding and maintenance, improve, by reconstructing and surfacing with a double chip-seal overlay, the "North Union Valley Road" (a system of connecting roads consisting of 12N78-Union Valley, 12N52-Wolf Creek, and-12N30-Deer Knob Peavine; this described work extends from the intersection of 12N78 and Yellowjacket Campground access road westerly to the West Point boat ramp access road). The work shall be meet design and construction standards approved by FS. The licensee shall make a good faith effort to purchase at fair market value suitable real property as such property becomes available, or to obtain a long-term lease or easement for use of such property, if necessary. In addition, improvement of the North Union Valley Road shall include:
 - Control of motorized recreational use along both sides of the road.
 - Adequate directional and information signing along roadway.
 - Turnouts and/or parking pockets with barriers along the road, where

undeveloped parking and user-created access trails have been created, to restrict vehicle access (see also Condition No. 45).

- b. By December 31 of 2024, the licensee shall close the road to Junction Reservoir Dam (FS Road 12N30D) to public access and construct a turnaround/parking area for one to two vehicles.
- c. By December 31 of 2019, the licensee shall, in accordance with the USFS cooperative road use plan for road use, funding and maintenance, realign and construct the Wrights Lake Tie Road (FS Road 11N37) to improve the intersection with the Ice House Campground entrance road to facilitate traffic flow away from the campground.
- d. By December 31 of 2019, the licensee shall improve, by reconstructing with a double chip-seal overlay, the Lakeshore Road (FS Road 11N52 from the intersection of the Strawberry Point Campground access road to the end of the road) to design and construction standards approved by FS. The licensee shall make a good faith effort to purchase at fair market value suitable real property as such property becomes available, or to obtain a long-term lease or easement for use of such property, if necessary. In addition, improvement of this segment of the Lakeshore Road shall include:

Control of motorized recreational use along both sides of the road.

Adequate directional and information signing along roadway.

Turnouts and/or parking pockets with barriers along the road, where undeveloped parking and user-created access trails have been created, to restrict vehicle access (see also Condition No. 45).

Document Content(s)

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