

EXHIBIT F: GENERAL DESIGN DRAWINGS AND SUPPORTING INFORMATION

1 Contents and Purpose of this Exhibit

Kenai Hydro, LLC (KHL), a wholly-owned subsidiary of Homer Electric Association, Inc. (HEA), is filing this Draft License Application (DLA) for an original license for the Grant Lake Hydroelectric Project (FERC No. 13212 [Project or Grant Lake Project]) under Part I of the Federal Power Act.

KHL has prepared a Preliminary Supporting Design Report, which describes the requisite supporting information to demonstrate that proposed structures for the Grant Lake Hydroelectric Project (Project) will be safe and adequate to fulfill their stated functions. A copy of the Preliminary Supporting Design Report is included as Attachment F-1.¹

The Exhibit F design drawings were prepared in conformance with 18 CFR §4.39, and provide plans, elevations, and sections in accordance with the requirements of 18 CFR §4.41(g). The drawings should be considered preliminary. Final Exhibit F design drawings will be filed with the Federal Energy Regulatory Commission (FERC) for Commission approval prior to commencement of any construction of the Project. Table F.1-1 lists the drawings, which are contained in Attachment F-2.

Table F.1-1. Summary of design drawings for the Grant Lake Project.

Sheet Number	Title
F-1	Overall Project Site Plan and Figure List
F-2	Hydraulic Profile and Design Criteria
F-3	Generation Facilities – Area Plan
F-4	Intake Plan and Profile
F-5	Intake Cofferdam Plan and Profile
F-6	Intake Structure – Plan
F-7	Intake Structure – Sections
F-8	Tunnel – Plan and Profile
F-9	Tunnel – Sections and Details
F-10	Tunnel Portal – Plan, Profile, and Section
F-11	Penstock – Plan and Profile
F-12	Penstock – Sections and Details
F-13	Powerhouse – Area Plan
F-14	Powerhouse – Plan
F-15	Powerhouse – Elevations
F-16	Powerhouse – Sections
F-17	Tailrace Channel – Plan and Profile

¹ Pursuant to 18 CFR § 4.41(g)(4), two (2) additional paper copies of the Supporting Design Report will be included with the submittal of the Final License Application to the Federal Energy Regulatory Commission (FERC).

Table F.1-1, continued...

Sheet Number	Title
F-18	Tailrace Channel – Sections
F-19	Detention Pond – Plan and Section
F-20	Bypass Directional Boring Pipe – Plan and Profile
F-21	Intake Access Road – Plan and Profile
F-22	Powerhouse Access Road – Plan and Profile
F-23	Bridge – Plan, Elevation, and Section
F-24	Access Roads – Typical Details
F-25	Interconnection One-Line Diagram
F-26	Powerhouse One-Line Diagram
F-27	Transmission Line Route
F-28	Transmission Line Details

Pursuant to 18 CFR §4.39(e), Exhibit F design drawings showing major structures, as well as the Preliminary Supporting Design Report, are being withheld and filed separately with FERC as Critical Energy Infrastructure Information (CEII) as DLA, Volume 3. Procedures for obtaining access to CEII may be found at 18 CFR §388.113. Requests for access to CEII should be made to the FERC's CEII Coordinator.

Attachment F-1. Preliminary Supporting Design Report

[Note: Per guidance from the Federal Energy Regulatory Commission (FERC), the Preliminary Supporting Design Report contains Critical Energy Infrastructure Information (CEII) and has therefore been omitted from general distribution in the Draft License Application. This information has been filed with FERC with a CEII designation in Volume 3 of the Draft License Application submittal. Procedures for obtaining access to CEII may be found at 18 CFR § 388.113. Requests for access to CEII should be made to the Commission's CEII coordinator.]

Attachment F-2. Preliminary Facility Design Drawings

[Note: Per guidance from the Federal Energy Regulatory Commission (FERC), project facility design drawings contain Critical Energy Infrastructure Information (CEII) and have therefore, been omitted from general distribution in the Draft License Application. This information has been filed with FERC with a CEII designation in Volume 3 of the Draft License Application submittal. Procedures for obtaining access to CEII may be found at 18 CFR § 388.113. Requests for access to CEII should be made to the Commission's CEII coordinator.]

