

EXHIBIT F

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DESIGN DRAWINGS AND SUPPORTING DESIGN REPORT

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**F. DESIGN DRAWINGS AND SUPPORTING DESIGN REPORT**

**F.1 DESIGN DRAWINGS**

Loup River Public Power District (Loup Power District or the District) is applying to FERC for a new license for the Loup River Hydroelectric Project (FERC Project No. 1256) (Project). The Design Drawings show overall plan views, elevations, profiles, and sections of the principal Project works in sufficient detail to provide a full understanding of the Project. In accordance with 18 Code of Federal Regulations (CFR) §388.112, the District is requesting that the Design Drawings for the Project be given special treatment as critical energy infrastructure information (CEII). The Design Drawings meet the definition of CEII as clarified in FERC’s Order No. 683 issued on September 21, 2006. Therefore, in conjunction with filing this Final License Application, the Design Drawings listed in Table F-1 are being filed with FERC in Volume 5 of this Application under separate cover.

**Table F-1. Design Drawings**

Drawing Sheet	Project Component
F-1	General Plan at Intake
F-2	Diversion Weir – General Plan and Sections
F-3	Skimming Weir
F-4	Power Canal Typical Sections
F-5	Beaver Creek Siphon
F-6	Railroad Siphon
F-7	Looking Glass Creek Siphon
F-8	Monroe Powerhouse – General Plan of Development
F-9	Monroe Powerhouse – Plans and Sections
F-10	Monroe Powerhouse – Downstream Elevation
F-11	Monroe Powerhouse – Right and Left Elevations
F-12	Dry/Cherry Creek Siphon
F-13	916 Siphon
F-14	Oconee Siphon
F-15	Sawtooth Weir
F-16	Columbus Powerhouse – General Plan of Development
F-17	Columbus Powerhouse – Generator Floor Plan
F-18	Columbus Powerhouse – Platform Level Floor Plan
F-19	Columbus Powerhouse – Intake plan

Drawing Sheet	Project Component
F-20	Columbus Powerhouse – Sectional View of Intake
F-21	Columbus Powerhouse – Penstocks
F-22	Columbus Powerhouse – Downstream Elevation
F-23	Columbus Powerhouse – East and West Elevations
F-24	Columbus Powerhouse – Cross-sections
F-25	Lost Creek Siphon
F-26	Outlet Weir

## F.2 SUPPORTING DESIGN REPORT

In accordance with 18 CFR §4.41(g)(3), an applicant for a new license is required to file with FERC a Supporting Design Report when the applicant files a license application. The purpose of the Supporting Design Report is to demonstrate that the existing structures are safe and adequate to fulfill their stated functions.

The District files a Part 12D Independent Consultant Safety Inspection Report with FERC every 5 years. The District’s Ninth Part 12D report was filed with FERC on September 28, 2007. Subsequently the Chicago Regional Engineer requested some clarifications and additional information. The District’s response included field surveys, soil borings, material testing, investigations, engineering analyses, and the filing of Supplements No. 1 and No. 2 to the Ninth Part 12 Report. Based on the submittals, the Chicago Regional Engineer issued a letter on January 14, 2010, stating that “the scope and content of the Ninth Consultant’s Safety Inspection Report (2007) and its two supplements fulfill the requirements of Part 12D, of Title 18 of the Code of Federal Regulations.” The District has initiated its Tenth Part 12D inspection, and the inspection is expected to occur in spring 2012.

The District believes that the most recent Part 12D report fulfills the requirements of 18 CFR §4.41(g)(3) for the Project. All of the Independent Consultant Safety Inspection Reports, including the report and supplements noted above, are on file with FERC. The District is willing to provide FERC with an electronic copy of the Supporting Technical Information associated with this report upon request.

THE DESIGN DRAWINGS CONTAIN CEII AND ARE LOCATED IN VOLUME 5,  
CRITICAL ENERGY INFRASTRUCTURE INFORMATION.