

**Chief Joseph**  
**Columbia River, Douglas Co, Washington**  
**Northwestern Division (CENWD)**  
**Seattle District**

**Units 1 - 16**

<b>Turbine Type:</b>	Francis
<b>Turbine Manufacturer:</b>	S. Morgan Smith (U1-4, 15, 16 turbines are Newport News Shipbldg. & Drydk. Co.)
<b>Horsepower:</b>	100,000
<b>RPM:</b>	100
<b>Rated Head:</b>	165 feet
<b>Generator Manufacturer:</b>	Westinghouse (Rewound by Westinghouse circa 1987)
<b>Generator Rated KVA:</b>	98,078
<b>Generator Rated PF:</b>	90%
<b>Generator Rated KW:</b>	88,270
<b>Generator Max. KW:</b>	92,920
<b>Generator Rated KV:</b>	13.8

**Units 17 - 27**

<b>Turbine Type:</b>	Francis
<b>Turbine Manufacturer:</b>	Hitachi
<b>Horsepower:</b>	136,000
<b>RPM:</b>	112.5
<b>Rated Head:</b>	163 feet
<b>Generator Manufacturer:</b>	General Electric (Rewedged circa 1983)
<b>Generator Rated KVA:</b>	100,000
<b>Generator Rated PF:</b>	95%
<b>Generator Rated KW:</b>	95,000
<b>Generator Max. KW:</b>	100,000
<b>Generator Rated KV:</b>	13.8