

**Pacific Gas and Electric Company**

**KI-10**

**HAAS POWERHOUSE NEAR BALCH CAMP**

**11216050**

**Station Analysis  
2018 Water Year**

**Equipment:** Powerhouse has 2 vertical Pelton type 6-jet turbines with a total flow capacity of 825 cfs at 144 MW. Kilowatt hour meters measure gross generation for each unit and are located in the control room. Generation is transmitted via SCADA (Supervisory Control and Data Acquisition) to GRIP (Generation Real-time Information Process) where the flow computations are made. Backup record of generation is provided by the on site ISO meters.

**Hydrologic Conditions:** Drainage above the powerhouse is 177 square miles and the forebay has a useable capacity of 129,078 acre feet. Water for this power house comes from Helms Creek, the North Fork Kings River and Wishon Reservoir. Water from this plant discharges into Black Rock Reservoir.

**Record:** For periods when the flow was zero the plant was shut down for water management purposes or maintenance outages. Record is estimated based on head corrected flow calculation on 2/22/2018, 3/1-3/2/2018, 3/13/2018, 3/22/2018, 8/28/2018. Record complete for the entire year.

**Rating:** Total discharge is computed from gross generation transmitted to GRIP using parameters developed from plant performance tests, but is not corrected for changes in head. Total powerhouse flow is then transmitted and stored in Hydstra.

**Remarks:** There are no lost data records. Record is chosen from either ISO meter data or generation to flow tables. Record considered good.

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