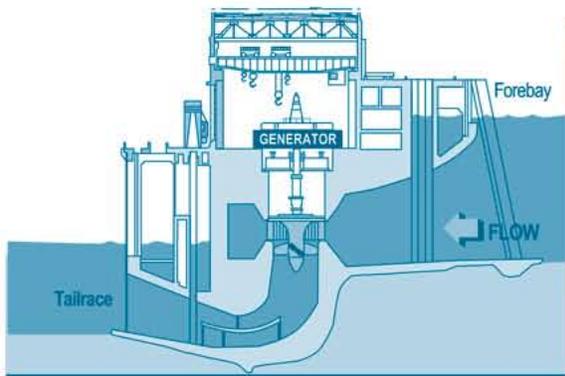


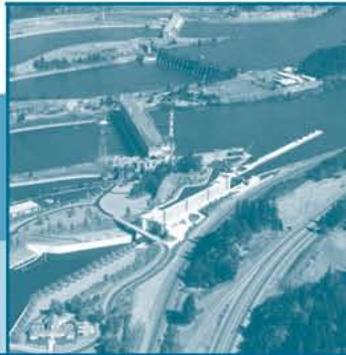


US Army Corps
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Portland District

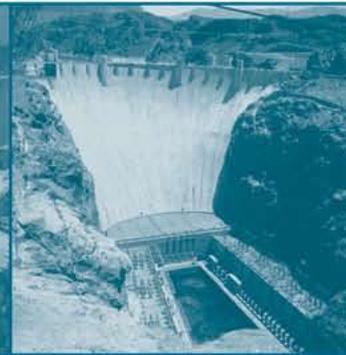
Comparing The Big Dams



Bonneville



Hoover Dam



Grand Coulee



Operating Agency:	US Army Corps	Bureau of Reclamation	Bureau of Reclamation
Location:	Oregon/Washington	Arizona/Nevada	Washington
Year Placed in Service:	1938	1936	1941
Primary Function:	Hydropower Navigation Recreation	Flood Control Regulate River Water Storage & Delivery Hydropower Recreation	Flood Control Hydropower Recreation Irrigation
Head: (average distance water falls)	18.3 m (60 ft)	164.6 m (540 ft)	100.6 m (330 ft)
Height of Lake Above Sea Level: (mean sea level)	23.2 m (76 ft)	372.3 m (1,221.4 ft)	393.2 m (1,290 ft)
Length of Dam:	1,055.5 m (3,463 ft) 3 Structures	379.2 m (1,244 ft) U-Shaped Structure	1,592.0 m (5,223 ft) Includes Spillway
Concrete Content:	1,485,800 cubic meters (1,955,000 cubic yards)	3,230,000 cubic meters (4,250,000 cubic yards)	9,101,000 cubic meters (11,975,000 cubic yards)
Number of Power Plants:	2	2	3 (One pump generating plant)
Types of Turbines:	Kaplan	Francis	Francis
Number of Generators: (by power production rating)	8 (66,500 kw each) 8 (54,000 kw each) 1 (51,000 kw each) 1 (43,000 kw each) 2 (13,500 kw each) 1 (5,000 kw each)	13 (130,000 kw each) 2 (127,000 kw each) 1 (68,500 kw each) 1 (61,500 kw each) 2 (2,500 kw each)	3 (700,000 kw each) 3 (600,000 kw each) 18 (125,000 kw each) 4 (53,000 kw each) 2 (50,000 kw each) 3 (10,000 kw each)
Total Generators:	21	19	33
Total Generating Capacity:	1,087.7 mw	2,080 mw	6,492 mw