

Generator Unit

Generating Units

Number 4 Conventional (units 1-4)
4 Generator/motors (units 5-8)

Speed rpm 120

Spacing of unit, feet units 1-4 (Conv.), 71
Units 5-8 (Gen/mtr), 80

Turbines

Type: Francis/common name for generation pump units clockwise
Counter-clockwise rotation

Diameter of runner, inches, approximately 225

Rated capacity at 144' average operating head, hp units 1-4 104,000

Net weight of heaviest part to be handled by
powerhouse crane, pounds approximately units 5-8 600,000

Minimum operating head, feet 134

Net operating head, maximum feet 162

Assumed head losses, feet 1

Maximum discharge per unit at minimum head, c.s. 8,000

Generators

Type: Vertical shaft, water wheel driven thrust bearing below rotor, water exchange surface air coolers. Units furnished with potential source static type voltage regulator and excitation system.

Initial installed capacity, total kw 300,000

Ultimate installed capacity, total kw 600,000

Ratings per unit	<u>Gen</u>	<u>Gen/mtr</u>
Units 1-4	75 MW	N/A
Units 5-8	N/A	95MW