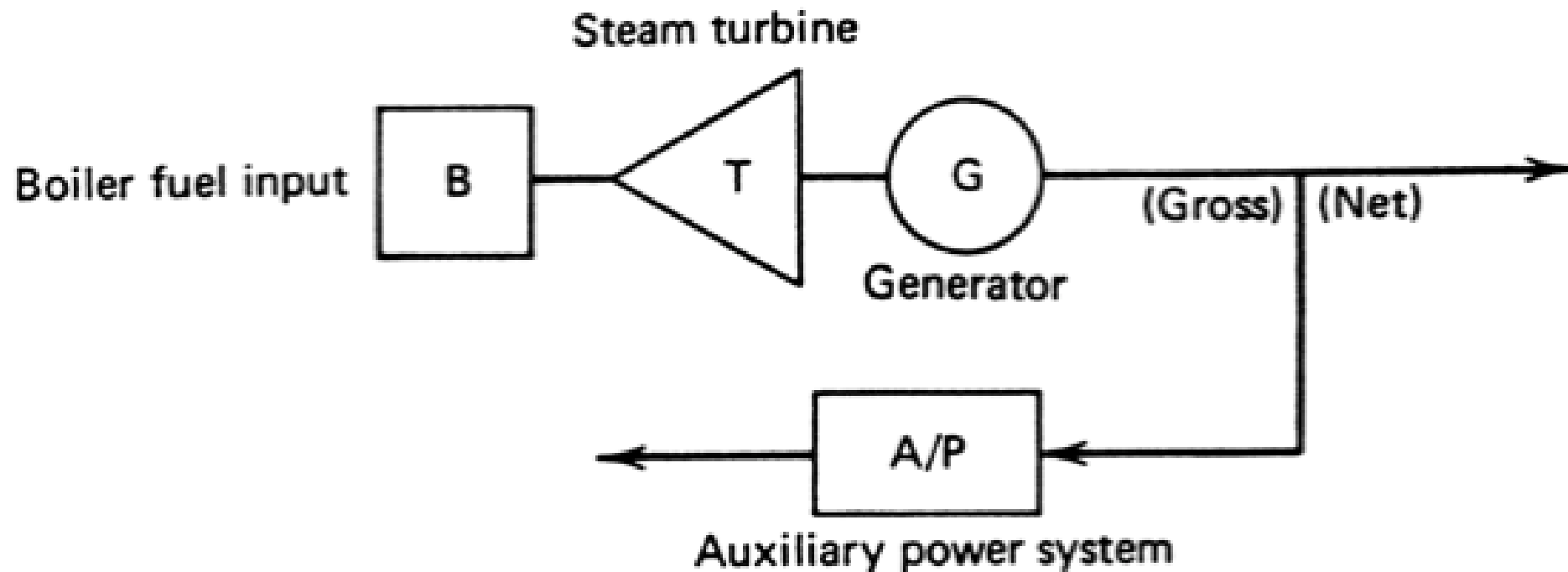


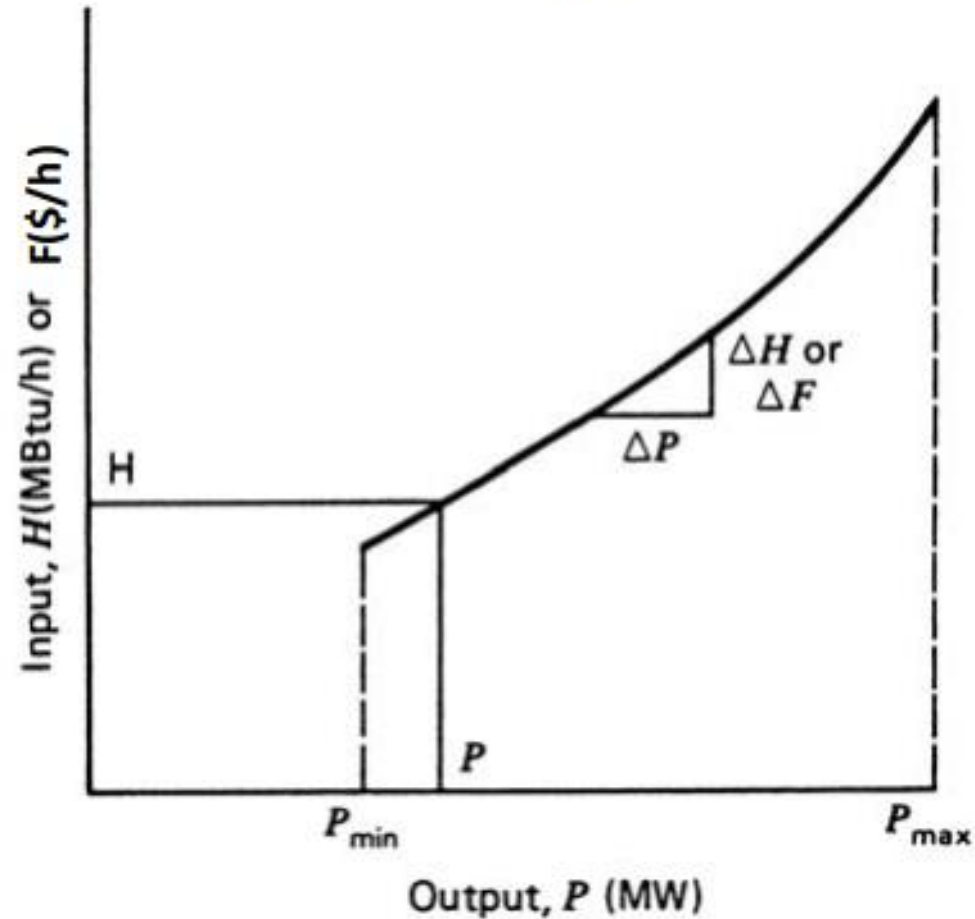
Characteristics of Power Generation Units



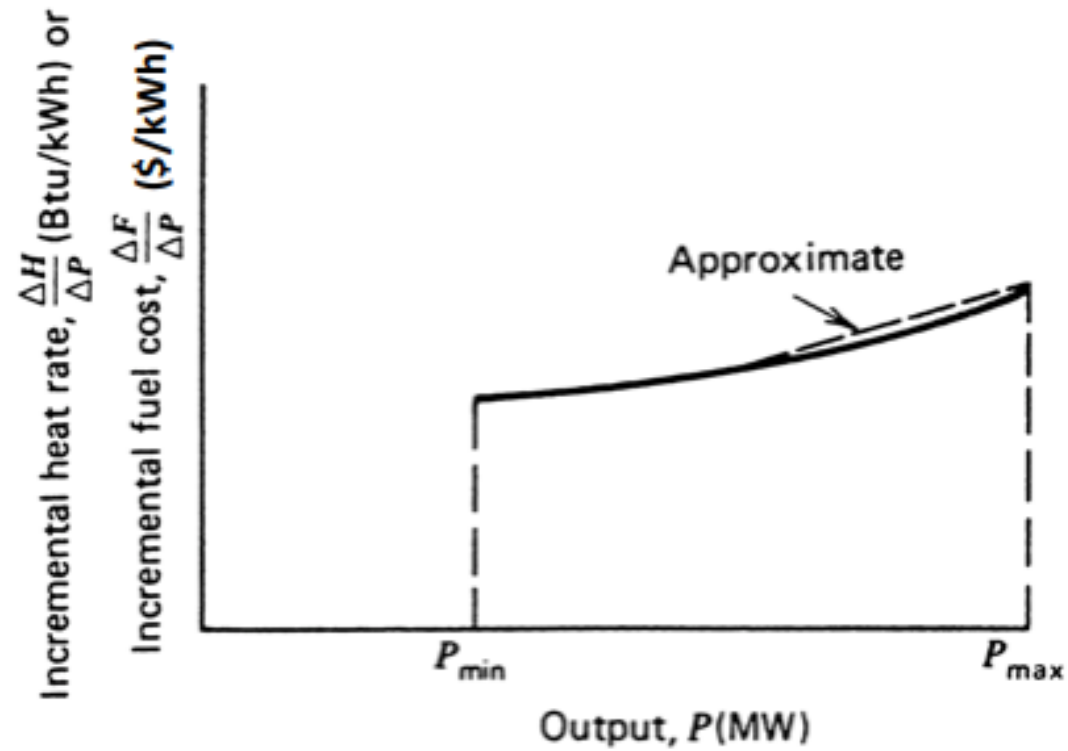
Boiler – Turbine – Generator Unit



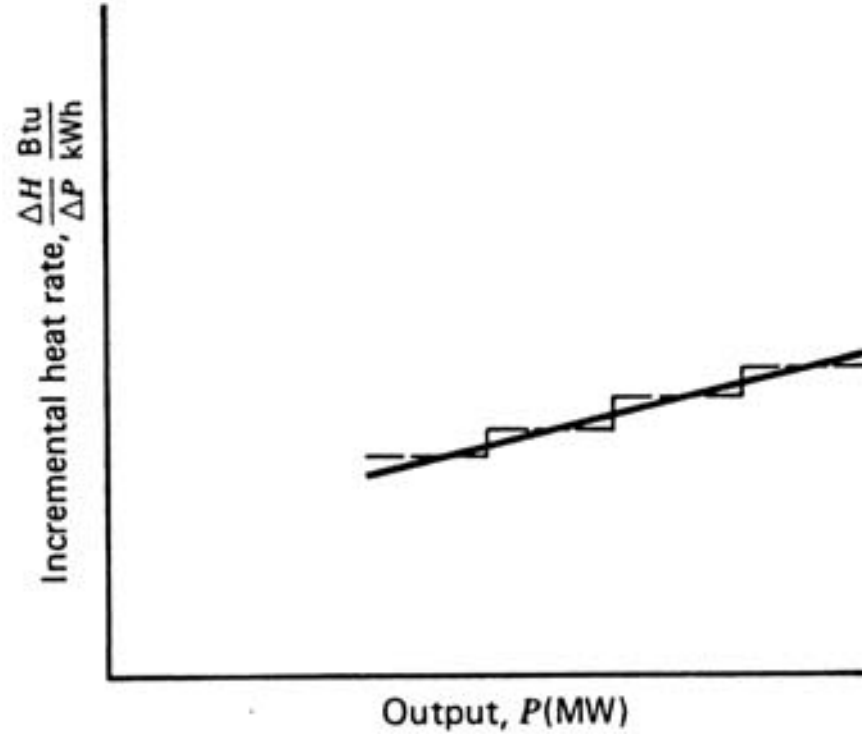
Input-output curve of a steam turbine generator



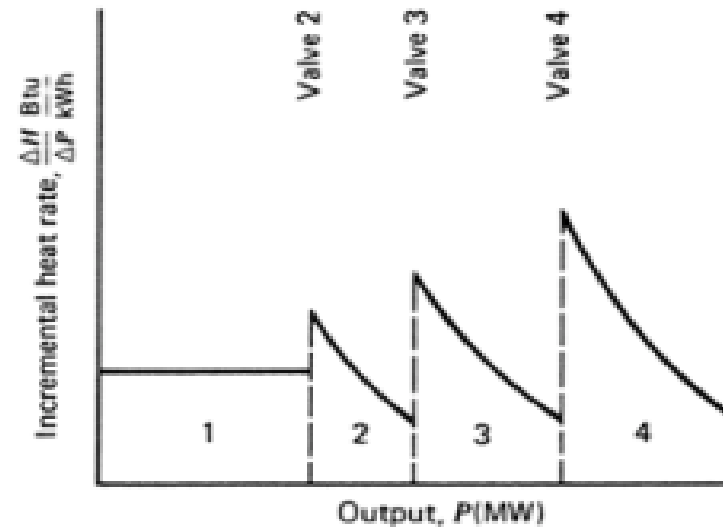
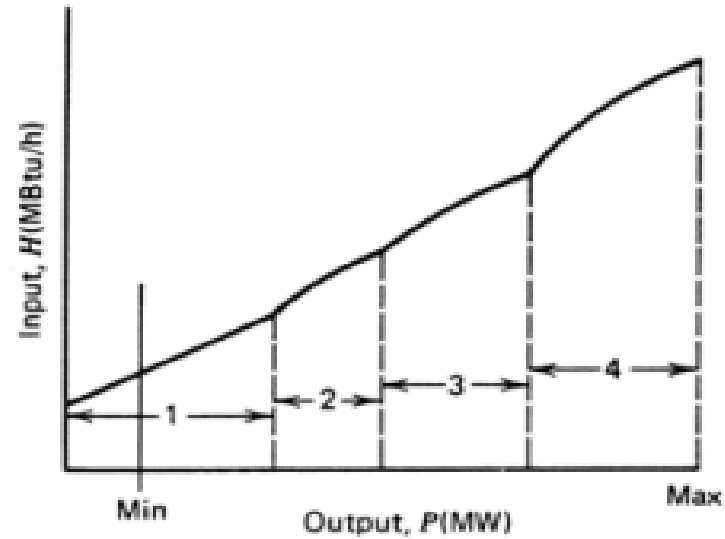
Incremental heat (cost) rate characteristic



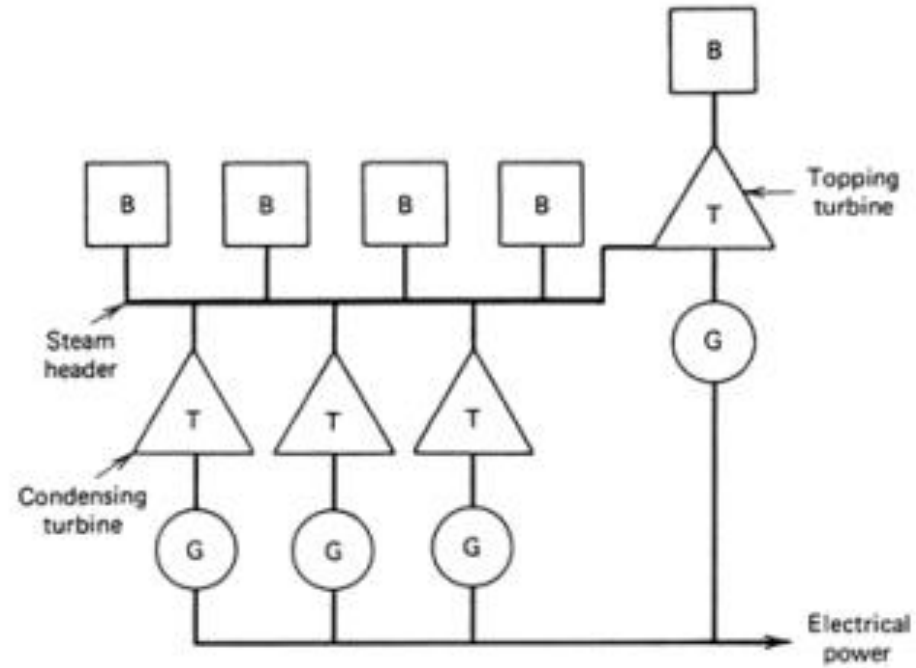
Approximate representations of the incremental heat rate curve



Characteristics of a steam turbine generator with four steam admission valves



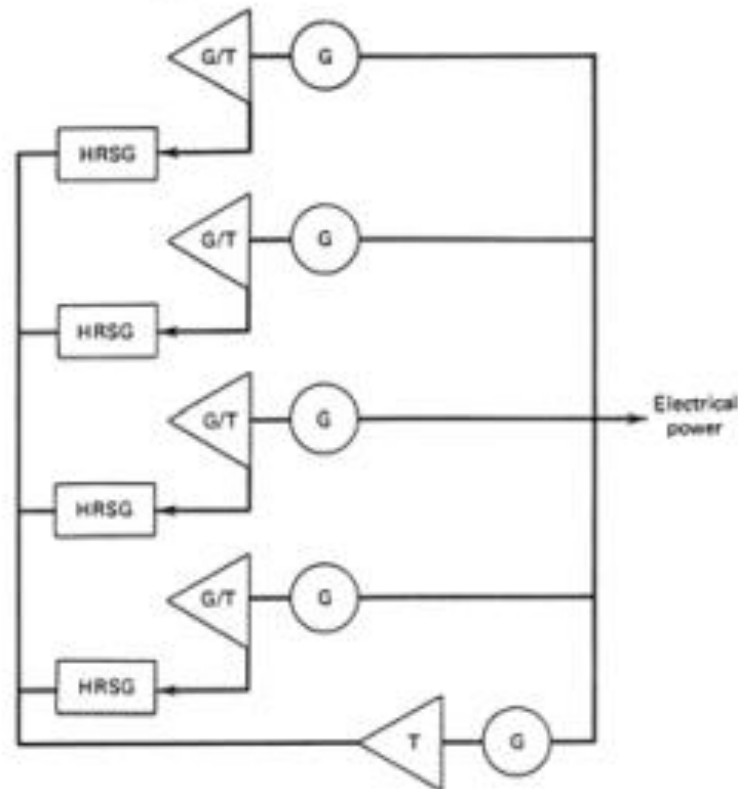
A common-header steam plant



A combined cycle generating plant



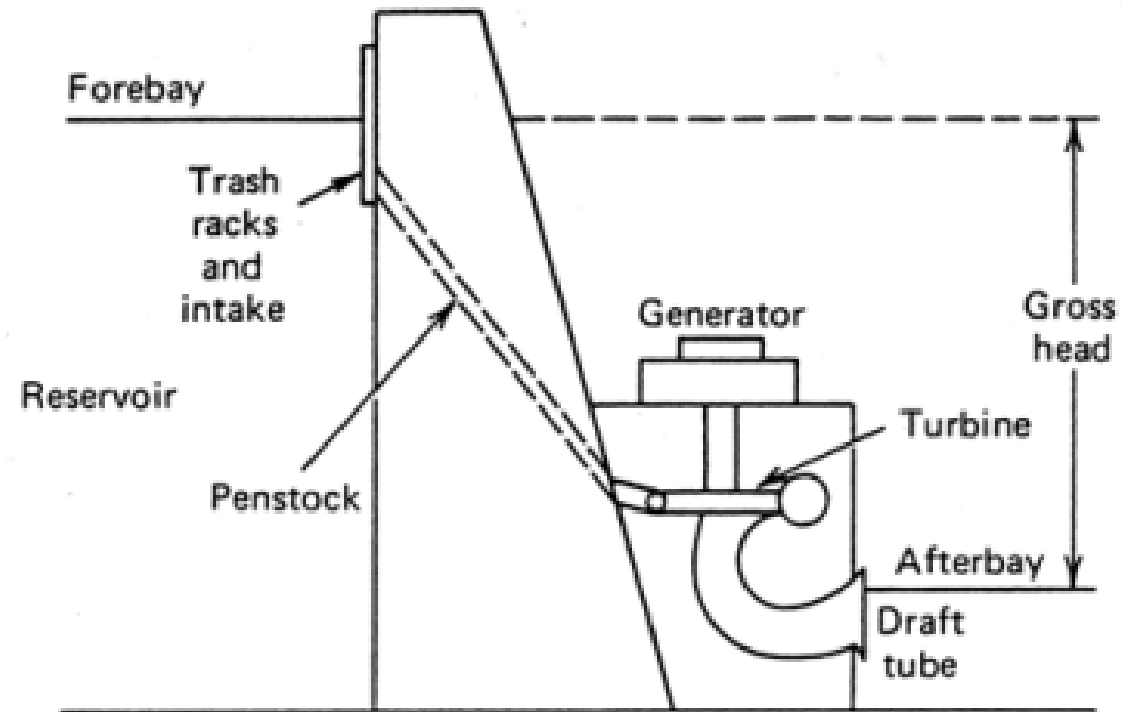
A combined cycle plant with four gas turbines and a steam turbine generator



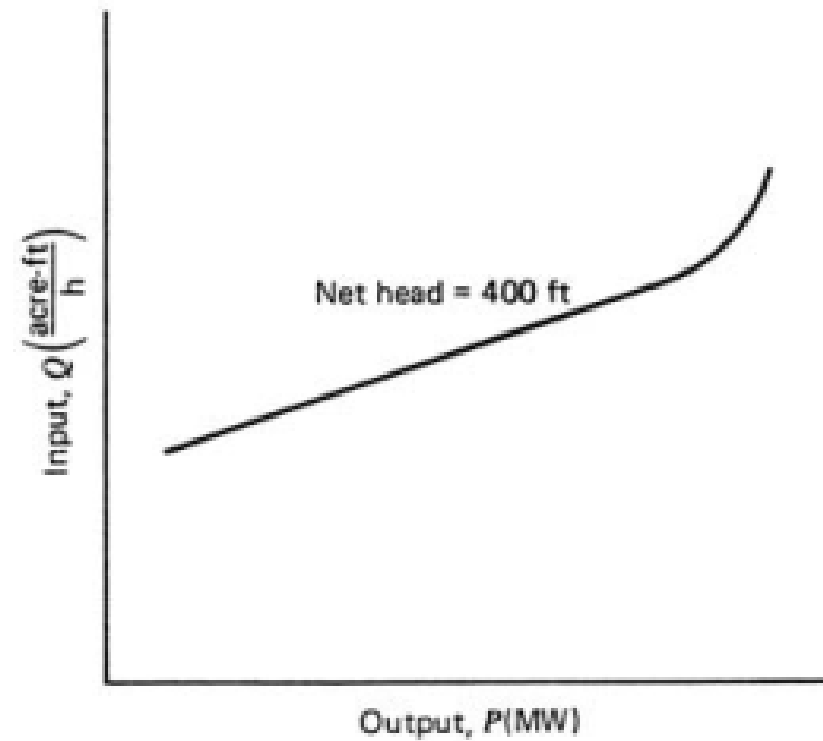
Hydro Electric Power Plant



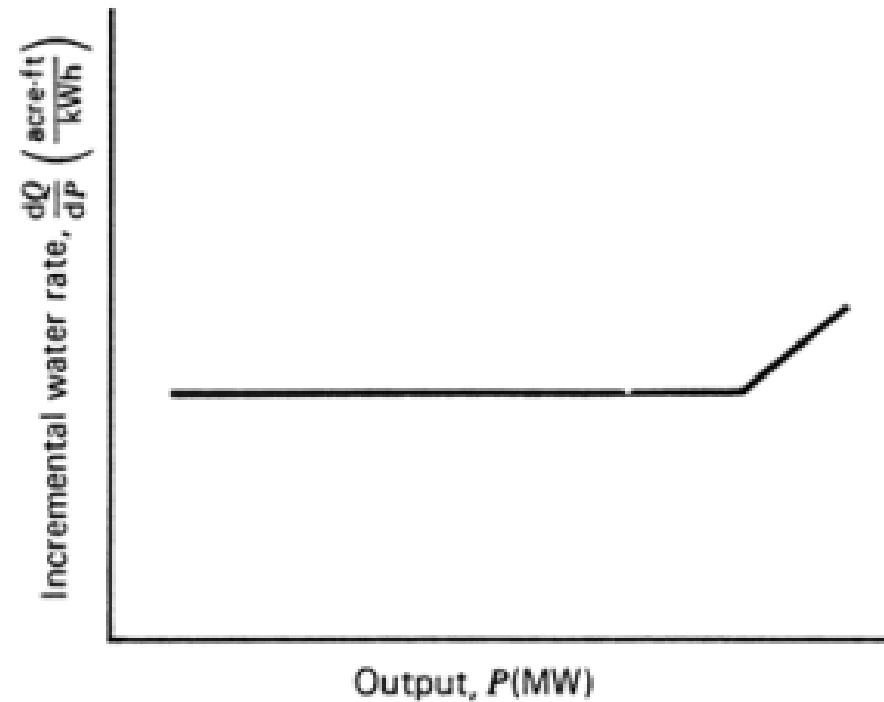
Cross section of typical hydro plant with Francis turbine and generator



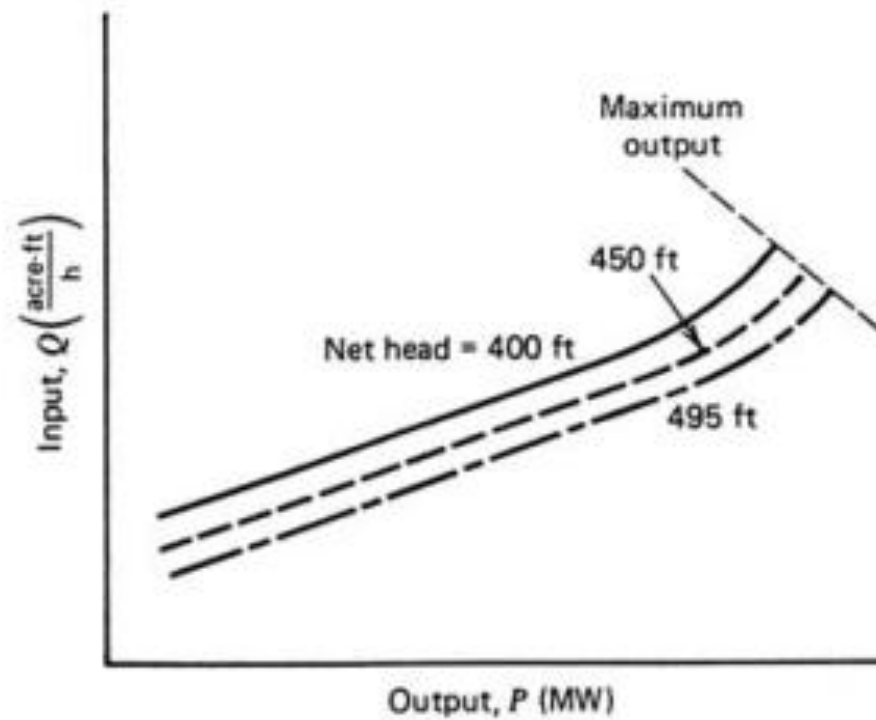
Hydroelectric unit input–output curve



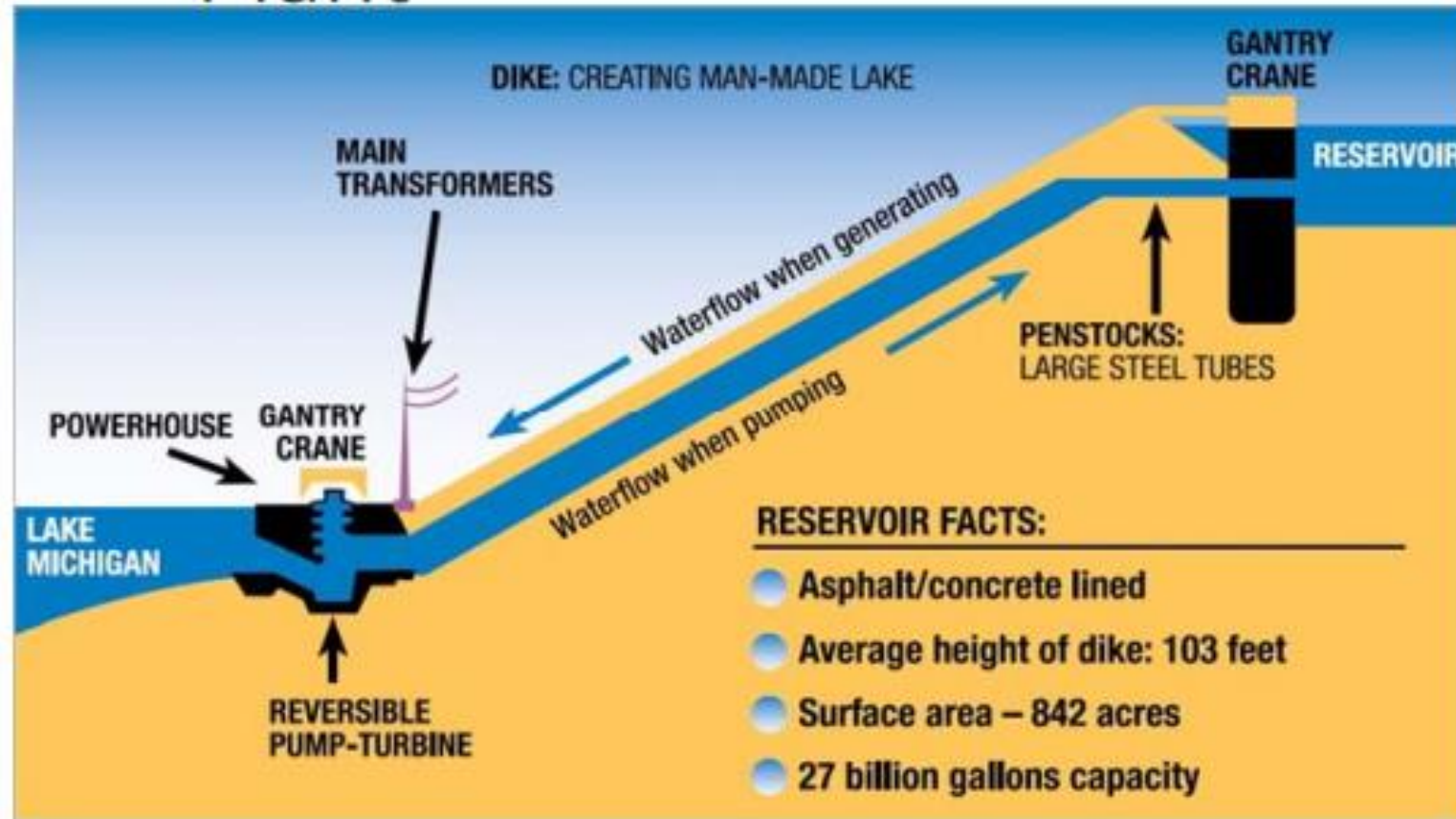
Incremental water rate curve for hydroelectric plant



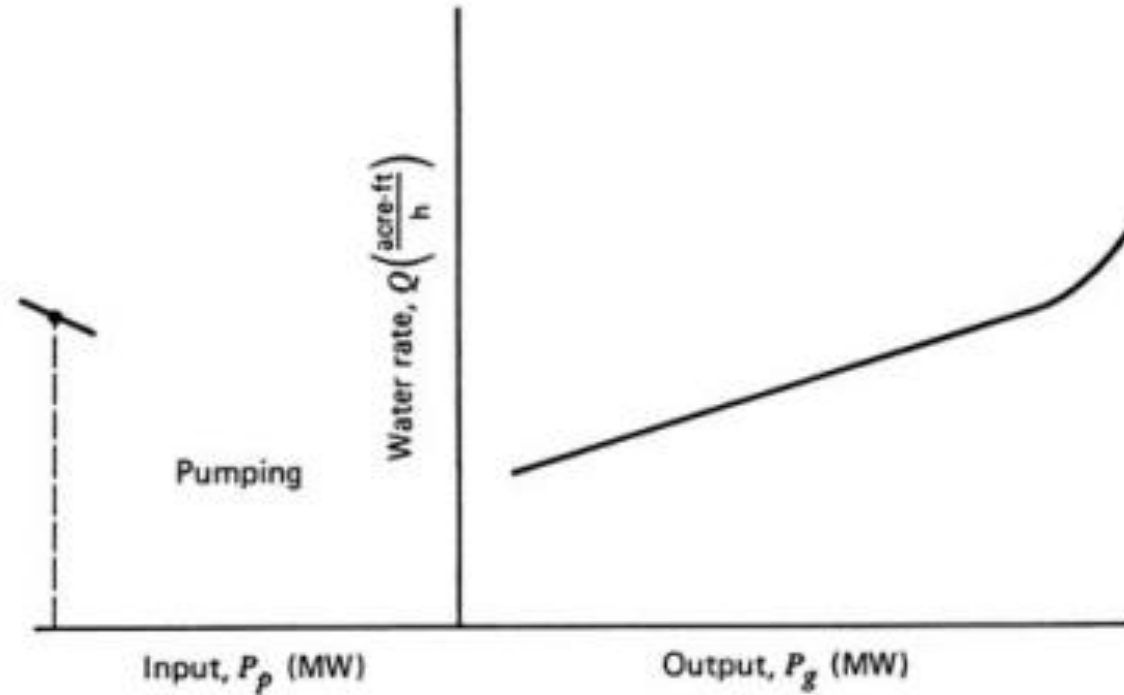
Input–output curves for hydroelectric plant with a variable head



Pumped Storage Hydro Plant



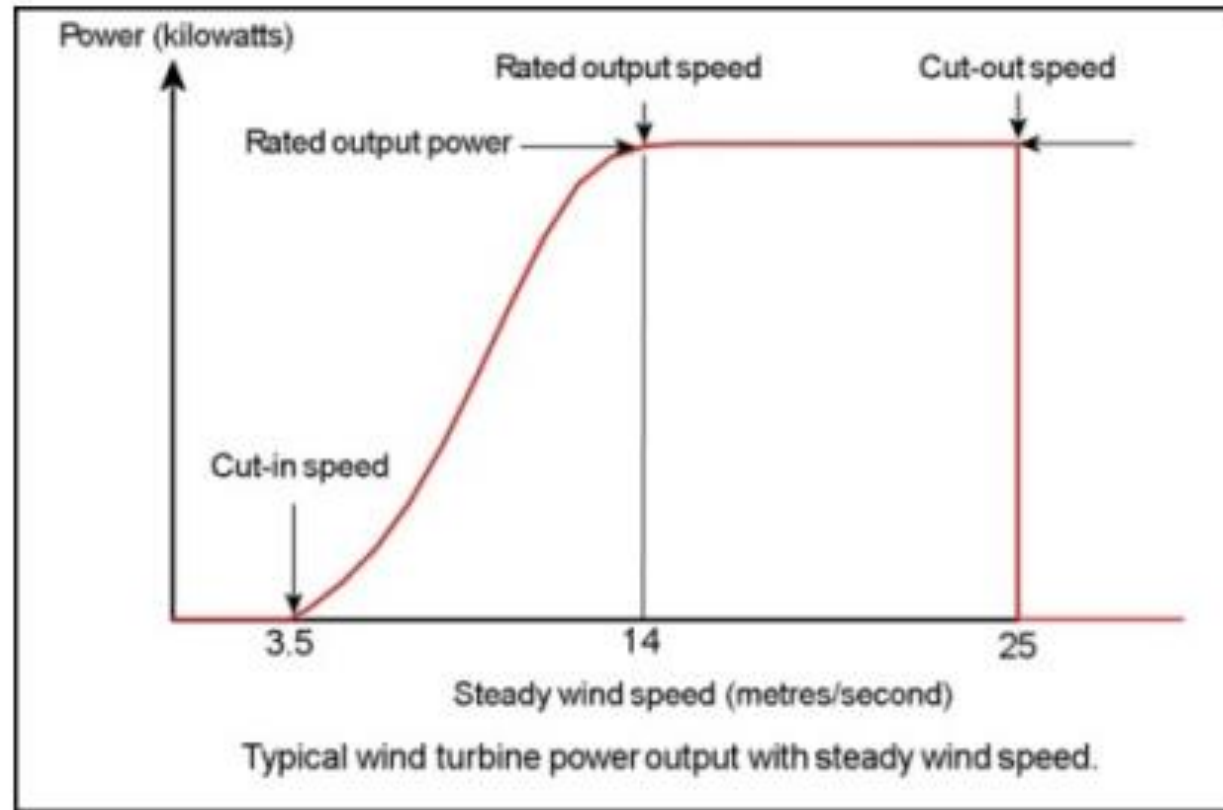
Input–output characteristics for a pumped storage hydroplant with a fixed, net hydraulic head.



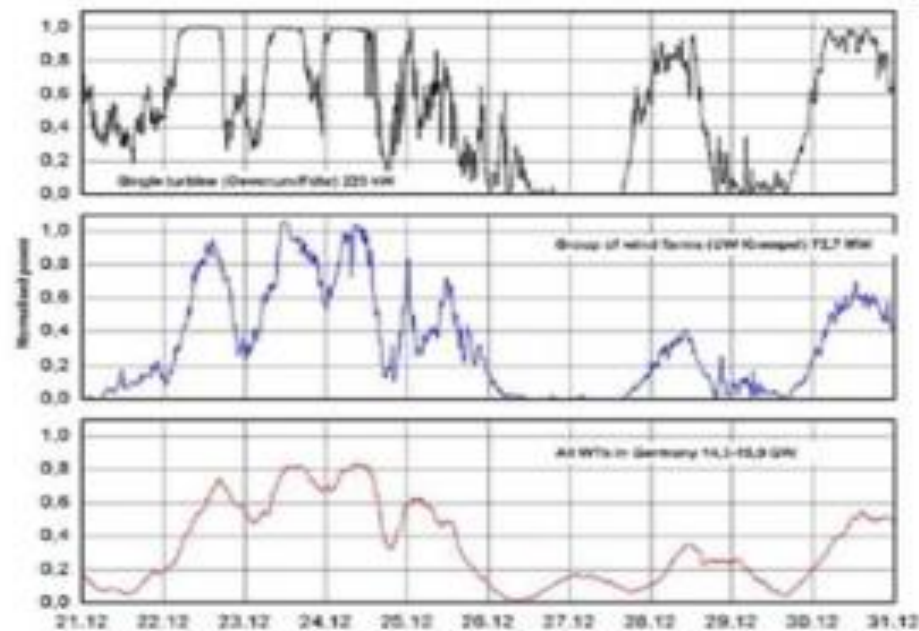
Wind Generator



Typical Wind turbine power output with steady wind speed



Time series of normalized power output from a single wind generator, a group of wind generators and all wind generators in Germany



The price of fuel from 1990-

