

3 Projects For Power Presented

Basin Inter-Agency Discuss Proposals At Boise Session

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BOISE (Special)—Plans for three Snake and Clearwater river dams, previously discussed at an Orofino, Idaho, hearing, were presented Wednesday by the army corps of engineers and bureau of reclamation to the Columbia Basin Inter-Agency committee meeting here.

Col. Thomas Tandy, Walla Walla district engineer, gave a plan for construction of Bruce Eddy and Penny Cliffs sites in the Clearwater, for which five private power companies have filed with the federal power commission.

Private Plans Similar

There was no particular difference in the dams proposed by the corps of engineers and those which the five power companies said they wanted to build.

As delivered by Colonel Tandy, Bruce Eddy dam would have 1,433,000 acre feet of usable storage and would develop 240,000 kilowatts of dependable power.

Project cost would be \$117,533,000, without recreational investment.

Penny Cliffs would have 2,300,000 acre feet of usable storage and would develop 292,000 kilowatts dependable power. Cost without recreational facilities would be \$191,700,000.

Both dams would be of rock-fill construction.

Snake Dam Detailed

Bureau of reclamation pre-

sented two plans for construction of Mountain Sheep dam on the Snake river, about one mile upstream from the mouth of the Imnaha river and four miles above the mouth of the Salmon river.

One plan contemplates Mountain Sheep utilizing only Snake river water, the other utilizing a diversionary tunnel which would augment the flow with water from the Salmon river. suggested that provision should be made for construction of a tunnel at some future date.

With Salmon river diversion and 1,000,000 acre feet of upstream storage, installed power plant capacity would be 1,035,000 kilowatts, producing 5,757,000,000 kilowatt-hours of average energy during a nine-month operating period. Total construction cost would be \$3,809,000.

Storage Breakdown Shown

Under the same conditions but without Salmon river diversion, installed capacity would be 920,000 kilowatts, producing 5,050,000 kilowatt hours of energy per nine month operating period. Cost would be \$278,025,000.

With 3,880,000 acre feet of upstream storage, and with Salmon river diversion, power plant capacity would be 1,150,000 kilowatts installed, producing 6,340,000 kilowatt hours average energy per nine months. Cost would be \$376,357,000.

With the large upstream storage, but without Salmon river diversion, installed capacity would be 1,035,000 kilowatts, which would produce 4,548,000 kilowatt hours average for nine months. Construction cost would be \$294,307,000.

Control Plan Additions

The plans were presented with recommendations that they be added to the main control plan for development of Columbia basin water resources.

However, no recommendation was made as to who should construct them.

The engineers' plan reported that no fish runs except those of steelhead trout would be affected. However, it was added that if conclusions from research justify, experimental fish passage facilities in prototype will be provided at Bruce Eddy dam. Fish ladders also would be included at Mountain Sheep.