

# Dam Power Will Be Ready About Middle of March

The first electrical energy to be generated by the turbine units now being installed in the Boulder canyon project will be delivered to Boulder City consumers shortly after the middle of March 1936, according to tentative dates announced yesterday by bureau of reclamation engineers.

Two small station-house units are now being placed in the powerhouse structure, one to be located in the upper Nevada wing and the other in the upper end of the Arizona wing. They will be known on government specifications as Nevada "O" and Arizona "O" units, and each is 3,000 kilovolt amperage, 300 revolutions per minute, three phase 60-cycle 2,400 volt horizontal alternating current generator.

These two small units will be driven by two 35-horsepower impulse-type horizontal-shaft hydraulic turbines. Water for these two units will be supplied by 42-inch diameter penstocks, connecting to the Nevada one and two units and the Arizona one and two units.

Power generated from these two systems will, besides making cheap electricity available to Boulder City, supply all electrical energy necessary for the illumination of the Boulder canyon project and for the operation of all auxiliary motors in use there.

These two comparatively small systems differ greatly from the other vast systems now being installed in the powerhouse near Boulder City, in that the larger ones are of the vertical shaft single-runner Francis type, whereas the station-house units are of the horizontal-shaft type.

The regular generating units, reclamation engineers have stated, will not be ready for use until late next summer, according to working schedules. According to present indications, it has been stated, power for consumers other than those who reside in Boulder will not be available for use until that time.

Power is now being furnished Boulder City and the project itself by the Nevada-California Power company.