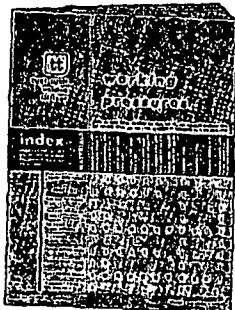


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industry or for utilizing any scarce steam-generating equipment. At any rate, power needs of the wind tunnels, which will probably not be running around-the-clock, would more easily be met by hydroelectric generating facilities that could store water during nonoperating hours.

No existing federal hydroelectric project has been found to meet the wind-tunnel power requirement. Federal development agencies have told Unitary Planners that their big plants, both in existence and under construction, have already been assigned all the loads they can carry. This would rule out, for the present at least, location of the big wind-tunnel projects in Columbia River Basin area, at Hoover Dam, at Reclamation Bureau's Central Valley Project in California—in fact, at any site already under development.

Anyhow, only one single development among these projects—Grand Coulee's power plant—could provide sufficient energy. About half built now, the Coulee plant will have an ultimate power installation of 1,974,000 kw. But Columbia Basin industries and residential users are snapping up Coulee power as fast as it becomes available.

This leaves as the only likely alternative: development of hydro plants at some unexploited site. With some 70 to 80 millions kw of hydroelectric energy still untapped in U. S. streams (according to Federal Power Commission estimates) such plants might be built in several sections of the country. Most obvious choice would be made from locations already studied for power development by the government. Such sites include several in Missouri River Basin, on upper Colorado River, Arkansas River, and Savannah, Roanoke and other Southeastern rivers.

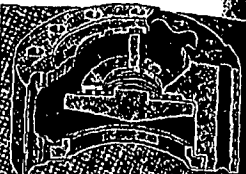
With Congressional authorization and appropriations, such plants might be completed within four to five years, if construction were pushed on an emergency basis. This would fit the Unitary Plan schedule, since it is estimated that construction of a supersonic wind tunnel requires about four years.

Appropriation requests of the military establishment and NACA contain no funds for any portion of the Unitary Plan for fiscal 1949.

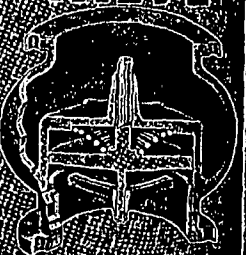
Federal Power Commission has authorized East Tennessee Natural Gas Co to construct, operate and maintain facilities to provide natural gas service to Chattanooga and Knoxville, Tenn., and in communities in area commonly designated as Middle and East Tenn. Overall capital cost of project has been estimated at \$11,470,592.

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