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Letter from Francis Burton Harrison to Walter L. Fisher, 1912 Dec 3.

Francis Burton Harrison

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Hone water in Figure Secretary of the Interior, Washington, D. C. Secretary of the last rior, Washington, D. C.

Dear Sir.

There is an economy of and adequate source of water supply for the City of San Francis and has not as yet been brought to your attention and which movestionably merits investigation. Mr. H. M. O'Shanghaesey City Broker of San Francisco, soting in the capacity of Consulting Engls. For one of the instributals interested in this project before are election as City Engineer, has made a most favorable report in regard to its possibilities for San Francisco water supply.

The project domaists of one large and three small possible reservoirs lying Mor hof the Morced River in Morced County, California, on Dry Orsel, as shown on the attached map. The total capacity of the large riservoir, estimated from preliminary surveys, is approximately 50 0,000,000,gallons. The combined capacity of the four reservoirs being approximately.

1831000 000 000 gal, The elevation of the floor of the lovest feservoir is approximately 200 ft! above sea level. The elevation of the floor of the largest and highest reservoir is approximately 200 ft. above sea level. This means that water could be taken to San Francisco by gravity a distance of approximately 160 miles. The advisability of maint ding pressure greater than this over many miles of pipe line is duest tomable and as even in the event of the development of the Hetch Hetchy project pumping would probably be resorted to after the water last actually reached the city, this project does not suffer when complete with the Hetch Hetch project in this respect.

The proposed reservoirs are so situated that water can be drawn from both the Tuclumme and Merced Rivers. This means that flood waters could be intended and the development of irrigation in that region.

In Shaughnessy advises the construction of an earth fill for a data in the instance of the largest reservoir and the same construction can be carried out in the development of heroed County. His made by Mr. Chas. D. Martin, an engineer of Heroed County. His not on the large re This amount, Mr. Martin and Mr. O'Shaughnessy figured at mated: This amount, Mr. Martin and Mr. O'Shaughnessy figured at 125,625 acre feet, or in gallons, 40,933,000,000. Below this level in the large reservoir there are approximately 15,000,000,000 gallons more, which makes the total capacity of the large reservoir as above stated, 65,000,000,000. Mr. O'Shaughnessy's suggestion that the project would be tremendously valuable for city supply, led to further investigation which brought to light the other reservoirs. further investigation which brought to light the other reservoirs herein mentioned. The following is a quotation from a report dated July 29, 1912, made by Mr. O'Shaughnessy to Wm. H. Crocker of San Francisco, concerning the largest reservoir herein referred to: "As the outlet of the reservoir will have an elevation of 300 feet above the sea; it would be possible to use this source as an auxiliary supply to Dakland, Berkeley or San Francisco. The water would be pure, unpolluted water from the snow sheds of the Sierras, and the expense of developing and conveying would not be 60% of many of the other Sierra schemes."

Owing to the fact that the reservoirs are situated in the foot-Owing to the fact that the reservoirs are situated in the foothills and that facilities for construction work are of the best, the cost would be as Mr. O'Shaughnessy states, far less than the cost of The estimates of the capacity of the small reservoirs have been made conservatively, and Mr. Martin, the Engineer, states that in his opinion construction work will hardly to any more expensive per gallon of storage than in the case of the lorgest reservoir.

I would be glad to furnish you with such data as I have at my command, but would be seen that the world are for their conditions. command, but would prefer that in unbiassed engineer, whom you may command, but world product work, rolds a connecte report.

You are to appoint for the work, rolds a connecte report.

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