

Basic route, 2.5 million acre-feet

Assumptions.—As explained previously, some experts believe that 2.5 m.a.f. of augmentation annually will be required to provide for 7.5 m.a.f. of consumptive use in the Lower Colorado River Basin. The basic physical plan described above was modified to include the additional capacity necessary to meet the 2.5 m.a.f. capacity.

Hydrologic studies, based upon the assumptions inherent in the larger augmentation requirement, indicate that appropriate staging of the project would be as follows:

Stage	Year	Water delivery		Cumulative pumping power (megawatts) ¹
		Each stage (acre-feet per year)	Cumulative (acre-feet per year)	
1	1985	750,000	750,000	425
2	1990	500,000	1,250,000	708
3	1995	750,000	2,000,000	1,133
4	2010	500,000	2,500,000	1,416

¹ Thermal power requirement after deducting power produced at aqueduct power drops.

Costs.—Costs for the dual-purpose nuclear desalting plant were derived as explained in the discussion of the base plan. The summary of costs is as follow:

DUAL-PURPOSE NUCLEAR DESALTING PLANT—CONSTRUCTION AND O.M. & R. COSTS ¹

[In millions of dollars]

	Stage				Total
	1985	1990	1995	2010	
Construction:					
Total.....	536.00	372.00	536.00	372.00	1,816
Less non-Federal power.....	194.00	130.00	194.00	130.00	648
Federal.....	342.00	242.00	324.00	242.00	1,168
Desalted water.....	(300.00)	(214.00)	(300.00)	(214.00)	(1,028)
Nuclear pumping power.....	(42.00)	(28.00)	(42.00)	(28.00)	(140)
Annual O.M. & R.: ¹					
Total, operation maintenance, and "interim replacement".....	11.87	20.20	32.07	40.40	
Non-Federal power.....	3.00	4.99	7.99	9.98	
Federal:					
Desalted water.....	8.23	14.14	22.37	28.28	
Nuclear pumping power.....	.64	1.07	1.71	2.14	
Subtotal.....	8.87	15.21	24.08	30.42	
Sinking fund for rebuilding plants.....	7.31	12.47	19.78	24.94	
Total, Federal O.M. & R.....	16.18	27.68	43.86	55.36	

¹ Cumulative costs after completion of stage.