

1 work to the stage where such studies and research can
2 be published in an effective form for utilization by
3 others;

4 (c) conduct engineering and technical work includ-
5 ing the design, construction and testing of pilot plants,
6 test beds, and modules to develop desalting processes and
7 plant design concepts to the point of demonstration on
8 a practical scale;

9 (d) study methods for the recovery and marketing
10 of byproducts resulting from the desalination of water
11 to offset the costs of treatment and to reduce impact
12 on the environment from the discharge of brines into
13 lakes, streams, and other waters; and

14 (e) undertake economic studies and surveys to de-
15 termine present and prospective costs of producing water
16 for beneficial consumptive purposes in various parts of
17 the United States by the saline water processes as com-
18 pared with other standard methods, and by means of
19 mathematical models or other methodologies prepare and
20 maintain information concerning the relation of desalting
21 to other aspects of State, regional, and national compre-
22 hensive water resource planning: *Provided*, That in car-
23 rying out this function, the Secretary shall coordinate
24 these studies with planning being performed under the