

these agencies do not now have the expertise needed for this purpose, but they have expertise in conventional water systems components. Joint participation is thus essential for the education and professional development of all concerned for a true systems approach to the problems.

b. Desalting Applications Program

The core of the recommended program is the applications area. Most of the tools of technological development, such as test beds, pilot plants, test modules, etc., are already an integral part of the research and development activities conducted to date. However, the characteristics of the use of these tools in the past have been one of advancing technology whenever sufficient research results have been accumulated to make it worthwhile. The characteristic needed now for the desalting applications program is to use these tools to have the needed technology available in time for solving coming water problems.

At the same time, the basic research and development program must provide expanded support to the applications program as well as continue to generate new processes, new twists to old processes, new materials, and new concepts for advancing desalting from intermediate cost to the objective of low-cost water.