

- **Desalination (for comparative reference- not recommended for further study):** Several desalination alternatives were considered in the evaluation. Table ES.2 presents three desalination alternatives for comparison with the other water sources: Desal-Coquina would desalinate ocean water from the east coast in the Jacksonville area and pump it to the conceptual recharge area (Figure ES.2). Desal-Gulf would desalinate water from a location on the west coast and pump it to the recharge area. Pumping Replacement would desalinate saltwater from the Jacksonville area and would replace groundwater as a water supply for all four utilities. The desalination alternatives are not recommended for further evaluation because of: 1) High capital and operation and maintenance cost, 2) Brine disposal, 3) Replacement of all four participating utility pumping with desalinated seawater would not meet the full MFL requirements, and 4) Ocean desalination does not address the requirements of Senate Bill 64 to put reclaimed water to beneficial use.

Next Steps

Through the comprehensive and collaborative process documented in this report, the Partnership identified four alternatives for further study. Further evaluation of these alternatives will be required to ensure technical feasibility, meet environmental and regulatory constraints, refine costs, and develop plans for implementation and long-term management. Items that will need to be addressed include the following::

- **Technical Feasibility Studies of Selected Alternatives.** Technical feasibility studies should include evaluation of treatment technologies needed to make source water suitable for the recharge options selected and site-specific hydro-geological evaluations of the recharge sites.
- **Governance and Cooperative Agreements.** Initiate development of agreements for operation, future rehabilitation and replacement, and governance of potential projects. Develop a framework on how offset benefits are distributed to users.
- **Project Funding.** Identify and pursue options for project funding.