

**TO:** Water Supply Advisory Committee

**FROM:** Stratus Consulting & City Staff

**DATE:** August 20, 2014

**SUBJECT:** Technical Expertise

At a previous meeting, the Water Supply Advisory Committee agreed that the hiring of experts would have four collaborative components: input on the hiring of consultants, input on the hiring of subconsultants, input on the description of consultant and subconsultant tasks and, perhaps most importantly, an ongoing dialog as tasks evolve. This system is designed so that the Committee and the technical team are working together constructively, effectively and with integrity.

As the Committee has worked through Recon, another aspect has become clear: that the need for technical work naturally arises from the discussion about scenarios, criteria and ratings scales. As you develop your understanding of these decision model elements, you are shaping the consultant tasks.

Our job is to make sure that as these tasks become clear, the expertise is available to the Committee in a timely manner. Some subcontracts happen through Stratus and some will be hired through the City. Some of these are quick and easy to do and some, even the Stratus subcontracts, take time. Therefore, to the extent possible, it would be beneficial to go ahead and start the hiring process as soon as is appropriate so that we have access to the technical expertise we can reasonably anticipate we will need. But, of course, once a subconsultant is hired for the process, a discussion with the Committee will occur before proceeding with tasks.

At the WSAC August meeting there are two parallel efforts: in the discussion about scenarios and the decision model, Stratus will elicit information about the specific tasks the Committee may be interested in; this item is to ascertain the subconsultant hiring the Committee is comfortable with now.

Below and attached (Document F) are the outline and table from the July item which is provided again here to facilitate WSAC consideration of this topic; it is not necessarily exhaustive, and may in fact be too far-reaching.

1. Resource Management
  - a. Land Use
  - b. Fisheries
2. Water Management
  - a. Water Conservation
  - b. Demand Management
  - c. Drought Planning
  - d. Demand Analysis
3. Hydrogeology

- a. Groundwater management
  - b. Aquifer Storage and Recovery
- 4. Regulations
  - a. Water Rights: State Water Resources Control Board
  - b. Planning Issues: California Coastal Commission/State Lands Commission/Fish & Game/Fish & Wildlife
  - c. Construction Issues: Regional Water Quality Control Board, Regional Transportation District
- 5. Water Quality
  - a. Water & Wastewater Treatment
  - b. Indirect Potable Reuse
  - c. Direct Potable Reuse
- 6. Energy
  - a. Renewable Energy
  - b. Compliance
- 7. Economy
  - a. Benefit Cost analysis
  - b. Regional Economic Impact Assessment
  - c. Rate Setting
  - d. Resource Valuations
- 8. Civil Engineering
  - a. Infrastructure: Pipelines, pump stations, dams, treatment plants
  - b. Costs, feasibility analyses, conceptual design(s)