

TO: COMMITTEE MEMBERS  
FROM: BRUCE BUEL *BB*  
DATE: NOV. 29, 2008

**AGENDA ITEM**  
**3**  
**DECEMBER 1, 2008**

**DISCUSS DRAFT SOUTHLAND WWTF MASTER PLAN**

**ITEM**

Discuss draft Southland WWTF Master Plan [Forward Recommendation to Board].

**BACKGROUND**

Attached is a revised Draft of the Southland WWTF Master Plan updated from the February 2007 Draft to reflect research on flows/loads, information on solar energy production and revised cost projections. As detailed in the report, the proposed collection and treatment works need to be completed by 2011 to comply with capacity limitations set forth in the State Discharge Order and the collection and treatment cost allowance for mid-point of construction has increased from \$11,260,000 to \$14,728,000. AECOM is still recommending the Biolac Treatment System, although they have proposed to use external round clarifiers following completion of the wave oxidation process instead of the inline rectangular vessels originally proposed. AECOM has included an additional cost allowance of \$4 million beyond the projected collection/treatment cost for the solar array. Costs for disposal of the treated wastewater have been omitted (See Agenda Item 2). Mike Nunley from AECOM is scheduled to present the draft Master Plan to the Committee.

**RECOMMENDATION**

Staff supports AECOM's recommendations for Collection/Treatment Works and believes that it is feasible for the District to offset the project's increased power usage with solar energy. Staff recommends that the Committee recommend to the Board that the Collection, Treatment and Energy Concepts proposed by Boyle be selected at the "Proposed Project" for environmental review (See Agenda Item 4 regarding Environmental Review). Staff further requests authorization to prepare a Request for Proposal for Final Design of the portion of the proposed Collection System from the entrance to the Southland WWTF Yard to the headworks, all of the treatment works, and the Solar Works. In regards to the portions of the Treatment System in South Frontage Road, staff requests authorization to negotiate with AECOM to amend AECOM's existing Waterline Intertie Project Final Design Agreement to design these works at the same time AECOM is designing the South Frontage water main upgrades.

**ATTACHMENT**

- Draft Master Plan

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