



Agenda Item: 30

Date: November 10, 2009

Subject: Miscellaneous District Issues – General Manager’s Report

Staff Contact: Robert Roscoe, General Manager

1. Sustainability Policy (PL - Adm 005)

The Sustainability Policy (PL - Adm 005) came up for its biennial review. Staff has no suggested changes to this policy.

2. Emergency Generator Compliance Project

Work is proceeding to replace a certain number of standby generators that were originally permitted as being portable through the California Air Resources Board (CARB). The planned project is to install a 350 kW diesel powered generator set at Well #N35 and smaller 150 kW natural gas (NG) generator sets at four other well sites in the North Service Area (Wells #N5, N17, N23 and N29).

A Notice to Proceed was issued to the generator installation contractor, Barnum & Celillo Electric (BCE), on October 19, 2009. The pre-construction conference with BCE was held the same day with various staff from Eco:Logic Engineering and the District in attendance. During the week of November 2nd, BCE began demolition work at the five well sites receiving the new engine generator sets in advance of constructing new concrete pads for the generators.

As of October 29th, the NG service lines have now been installed by PG&E at the 4 well sites that will be receiving natural gas powered engine generator sets.

The engine generator supplier, Energy Systems, Inc., recently notified the District and BCE that the four new 150 kW Generac NG engine generator sets are ready for delivery to the well sites pending a 3 day delivery notice. These new engine generators are scheduled to be delivered and unloaded onto the new concrete pads no later than December 1, 2009. The new engine generators must be operational by January 1, 2010.

3. McClellan Park Distribution Main Routing Plan and North Service Area Pressure Zone Analysis

The 2009 Water System Master Plan recommended some additional work related to preparing a routing plan for future distribution mains within the McClellan Park service area and a pressure zone analysis in the North Service Area (NSA). This work is currently underway by Brown and Caldwell (B&C). Draft technical memoranda describing the

pressure zone analysis and the McClellan Park distribution main routing is due to the District by mid-November.

4. Funding Application to First 5 Sacramento for North Service Area Fluoridation

At the October Board Meeting, the Board of Directors approved submitting an application for funding to the First 5 Sacramento Commission to pay for the capital costs for installing fluoridation equipment on 37 groundwater wells in the North Service Area (NSA). Based on an engineering study recently completed by MWH, the estimated capital cost to install fluoridation facilities on the 37 well sites is \$6.8 million. Staff is proceeding with collecting various information needed to complete the funding application. One of the first steps in the process is a mandatory meeting with First 5 Sacramento staff to pick up a funding application package. On November 5, 2009, CIP Manager John Valdes met with Ms. Debra Payne, Program Planner for First 5 Sacramento, to pick up the funding package. The District now has 90 days in which to submit a funding application to First 5 Sacramento. Staff anticipates completing the funding application before the end of the year.

5. Terry Lynn Acres Main Replacement Project

Phase 2 of the Terry Lynn Acres project is over 90% complete and is on schedule and slightly below budget. To date, Ahlstrom Construction has installed over 10,000 feet of new main lines.

Phases 1 and 3 have been combined into one project. Ahlstrom and GM Construction have both begun construction. Scheduled project completion will be in early 2010.

6. Bohemian Village No. 2 – Phase 3 Main Replacement Project

To date, C&D Contractors has installed over 6,000 feet of new main lines on Marconi Avenue. The project is going well and is on schedule. C&D is expected to be substantially complete with this main replacement project in November 2009.

7. Additional Main Replacement Projects

- **Park Hills Main Replacement Project** – This project is being designed by Area West Engineers. A 95% design submittal to the District and returned to the consultant with comments. Acquiring necessary easements may be an issue which could delay construction. Construction on the project is expected to begin in mid 2010.
- **New Broadmoor Estates Main Replacement Project** – The District has returned review comments on the 50% design plans to Domenichelli & Associates (D&A). The next submittal will be the 90% plans. The project is on schedule and on budget.
- **Country Club Vista Main Replacement Project** – West Yost Associates (WYA) has submitted the 50% design plans to the District, which are now being reviewed. Construction plans will be completed in December, with construction to begin in late 2011. Potential easement acquisitions may require additional effort.

8. Facility Consolidation Study

At the October Board Meeting, the Board of Directors approved three additional work items related to the possible acquisition of property at 4600 Auburn Blvd. for potential facility consolidation (at a not to exceed cost of \$10,000): 1) approval to proceed with a property appraisal; 2) approval to proceed with a Phase II Environmental Site Assessment; and 3) approval to contact the owner of the property located to the South of 4600 Auburn Blvd. to discuss obtaining an access easement to widen the access out to Pasadena Avenue. (Note that an alternate access easement option will also be evaluated that would cross two parcels (4578 Pasadena Ave. and 4661 Orange Gove Ave.) and would access directly onto Orange Grove Avenue.)

Contract Amendment No. 3 with Domenichelli & Associates (D&A) has now been prepared and executed to add these additional services and the work is underway. Assisting D&A will be Overland Pacific and Cutler (OP&C) for the easement assessment and acquisition services, Pattison & Associates for the property appraisal, and Dunn Environmental for the Phase II Environmental Site Assessment.

9. Greenhouse Gas Inventory Project

To calculate the District's carbon footprint for 2008, Kennedy/Jenks Consultants (KJC) is using the General Reporting Protocol developed by the California Climate Action Registry (CCAR). On October 27, 2009, a draft report was received from KJC. Staff reviewed the draft report and review comments were submitted back to KJC on October 30th. On November 4, 2009, KJC submitted the final report to the District. A presentation on the report is expected be made at the December Board meeting.

10. 2010 Urban Water Master Plan – Request for Proposal

Staff has completed the "request for proposal" for the preparation of the 2010 Urban Water Master Plan (Plan). The 2010 Plan updates the previous 2005 Plan. The update is to comply with the requirements of the Urban Water Management Planning Act (Act), Water Code Section 10610 et seq. The Act requires all urban water suppliers providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually to adopt and submit an urban water management plan to the California Department of Water Resources (DWR) every five years. The purpose of the Plan is to ensure the efficient use of available water supplies as required by the Act. The Act states that the urban water suppliers should make every effort to assure the appropriate level of reliability in its water service is sufficient to meet the needs of its various categories of customers during normal, dry and multiple dry years. The Act describes the Plan and how each urban water supplier should adopt and implement the Plan. The Plan is due DWR on December 31, 2010.

11. Federal Recovery Act Grant

The Regional Water Authority agreement between the Bureau and SSWD has been executed for the Challenge Grant. Staff is also working with RWA to get the bid documents in alignment with the federal requirements for bid services. The Bureau is working on the preparation of the environmental documents for the participants.

12. 2009 Water Meter Retrofit Project

In the month of October, GM Construction (GM) installed approximately 75 meters. GM remains working in the area bounded by Auburn Boulevard, Norris Avenue, Annadale Lane and Edison Avenue. The work continues to move along without serious problems. To date 903 services have been retrofitted or 96% of the project is completed. In addition 92 services have been metered on the voluntary metering program, and 386 meters are anticipated with the 2009 main replacement program.

13. Connecting Mains/Main Replacement Projects

Currently the following projects are ready for encroachment permits and bid proposals:

- Connie Drive Main Extension Project
- Marconi Circle Improvement Project
- Belcot Drive Improvement Projects
- Fair Oaks Boulevard/Estates Drive Main Extension/Connection Project
- Lacy Lane Main Extension Project
- Rockwood Drive/Eastern Avenue Main Extension Project
- Pasadena Avenue/Horgan Way/Stone Court/Norris Avenue Main Connection Improvement Project

The Winding Way Main Connection Project – Staff is working on connecting two dead end water mains on Winding Way west of Manzanita Avenue. The dead end water mains have created water quality problems for the Field Services Department.

Albatross/Glenrose Main Connection Project – Staff is working on connecting a dead end water main on Glenrose Avenue in the Island Area of the District to an existing water main at the intersection of Albatross Way and Helena Avenue along Albatross Way. The dead end water main has created water quality problems for the Field Services Department as well as lack of fire protection along that street.

14. Integrated Regional Water Master Plan (IRWMP)

The meeting of October 14, 2009 was at the offices of the Regional Water Authority. A brief summary of the meeting follows:

- Project Budget Report – As of October 1st the IRWMP project budget balance is \$57,558.58. A handout was provided showing credits and expenditures. RWA could incur cost associated with the Prop 50 Planning Grant. The cost could be \$50,000 or about \$5,000 for each agency. Additional cost may also be incurred if DWR releases guidelines to Prop 84. Possible work may be required to update the IWRMP to any new issues that DWR proposes.
- Prop 50 Planning Grant Update – The grant presently has an expiration date of December 31, 2009. RWA will be using \$90,000 to \$100,000 for the IWRMP update. The update may include but not limited to stakeholder meeting, IRWMP objectives, IRWMP projects, climate change, and water conservation discussion and

flood management. Another \$60,000 will be used to complete the ground water modeling. has received authorization from DWR to proceed with the existing Prop 50 planning.

- Planning for November 4th Stakeholder Forum – The stakeholder meeting is scheduled for November 4th at 6PM to 8PM. The meeting will be at the Carmichael Water District. RWA will handle the meeting. There are three main topics that will be discussed. The first is “What is RWA”? RWA will provide the history of RWA and how we got here including the governance structure issues accepted by DWR and the project database. The second is “What does it means to have a project”? RWA will discuss the possible projects that have been provided and the target areas. The third is “Open Discussion”. Depending on the number of attendees, smaller groups may be formed to provide a round table discussion. RWA will also determine how many agencies should attend.

The November meeting was cancelled. The next meeting will be December 9, 2009.

15. Verner Avenue Production/ASR Well Design and Construction

During October the following work was completed:

- Placement of on-site final pavement including access road to Verner Avenue.
- Completion of the final paint coatings on the interior and exterior of building including doors.
- Installation of the motor control center panels.
- Final plan approval to modify the street structural section to avoid the removal and relocation of the existing power poles along Verner Avenue.
- Installation of the treatment hardware.
- Placement of the irrigation system along the east side of the site.
- Placement of ground cover along the east side of the site.
- Placement of landscape plants.

The remaining work to be performed includes, but not limited to, placement of the off-site storm drain system, connection to the existing water main in Verner Avenue, installation of the telemetry system control panel, complete wiring of the motor control centers, construction of the off-site road section including sub-grade, aggregate base, pavement, curb and gutters and sidewalks and placement of the SMUD transformer.

16. Pump Maintenance

- Well 75 Enterprise/Northrop – The liner installation has been verified for proper placement. The District’s consultant, Brown & Caldwell is reviewing the formation lithology of the well to determine the favorable solution to the sanding problem. One option may be to place a new liner down to the 400 foot level and place new gravel between the existing casing and new liner and rehab the well.

- Well 19 Balmoral/Yorktown – Staff has received proposals to rent treatment for the PCE for so that the water can be sampled and tested for a six month time period. The cost is approximately \$105,000. Further research is being performed before a decision can be made.

17. County of Sacramento Conflicts/Projects

In October, staff received the following projects for review from the County of Sacramento:

- Bell Street Road Improvement – The proposed project is to complete the structural road section of Bell Street west of Winters Street. The north side of the road will be completed with curb, gutters and sidewalks and constructed to the full width of the right-of-way. The improvements will also include relocating an existing intertie connection with the City of Sacramento. Staff is discussing with the City placement of the intertie in a location that is not in conflict with the improvements. Staff is also working with the City to execute a mutual aid assistance agreement for the intertie.
- Forcum Avenue / Bell Avenue Improvements – Staff has received plan and profile sheets including pothole data for the improvements for Forcum Avenue. It appears the District's existing water line on the east side of the road will be shallow and in conflict with the new drop inlets placed on that side of the new road. Based on the work and discussions with the County the existing water line will require relocation. Per the plans the existing old storm drain on the west side will be removed. A new water line can be placed in that location. The County will be removing the entire street including the underground facilities. Staff will be providing the County a proposed redesign on the existing water main in Forcum.
- Gateway 5, Dudley Boulevard Improvement – The project limits are from Forcum Avenue to Station 74+00 east along Dudley Boulevard. The project calls for road improvements with new curb, gutters and sidewalks including landscaping.
- Lloyd Lane / Barcelona Way Storm Drain Project – “B” Plan submittal. The project was to install new storm drain facilities. The District received notification that this project is being placed on hold till 2010. Staff has also potholed the existing water facilities to verify the location and depth. It appears that two facilities will be in conflict with the proposed new storm drain facilities. The information was provided to the County for plotting. Due to the storm drain project being delayed, the relocation of the water facilities will be deferred to 2010.
- Crestview Drive Improvement Project – “B” Plan submittal. The County is proposing to add a second box culvert to the existing culvert on Crestview Drive. The District also received a letter from the County stating this project is on hold till 2010. Staff has had the existing water line potholed to verify the location and depth in relation to the proposed new box culvert. It appears the water line will not be in

conflict with the proposed box culvert. The information was provided to the County for plotting on the plans.

18. North Watt Corridor Plan

No activity in October on the plan submittals; however staff was contacted by the Planning Department to prepare a water system infrastructure study for the corridor. The study would follow the outline of the Fair Oaks study. The Planning Department requested this study, as the District's Master Plan does not clearly present the requirements for this area. Staff in October provided a draft study to the Planning Department for review and comments.

19. Fulton Avenue Infrastructure Study

Staff attended a meeting with the County of Sacramento and other utility companies to discuss the Fulton Avenue corridor. The County Planning Department is working on preparation of an infrastructure study similar to Fair Oaks Boulevard study. The limits are from Auburn Boulevard to Arden Way. Staff will be providing a short study of what would be required along Fulton Avenue based on the new zoning that is to be established.

20. Future Well Site Assessment

Contracts were signed and executed between the District and Luhdorff & Scalmanini (LSCE) to perform the engineering and inspection work.

Staff met with LSCE and the pump contractor on October 2nd to inspect each site and look at access, water supply and the surrounding areas. Representatives from the Sunrise Recreation and Park District and San Juan Unified School District were also present to discuss the future work. LSCE will provide a preliminary layout of the site with footprints of the equipment and proposed work in our next meeting with the agencies for final review and discussion. The anticipated start date of the test hole monitoring wells is mid November during the Thanksgiving school break.

21. SSWD Developer Projects

Staff has approximately 131 projects in various stages of design in the district. There are 47 commercial project, 70 residential projects and 14 multi-family projects. There is an estimated 905 residential single-family lots within the residential projects.

Currently there are 39 projects approved for construction, 13 of which have started or under construction, 17 that are scheduled but have not provided the required deliverables prior to start of construction and 9 projects waiting to be scheduled. For 2009 staff has issued final acceptance to 31 developer-contributed projects.

During the month of October, staff approved one project for construction. The total fees received in October are \$1,700. The project approved in October was:

- Building 300 McClellan Park – Located around Dudley Boulevard and Howard Avenue, the proposed project calls for placement of new curbs, gutters and planters

including pavement overlays. Some existing water valve boxes and services will require relocation as part of this project. There are no new facilities required.

Total fees collected for CY 2009 is approximately \$396,505 of which facilities development charges accounted for approximately \$269,560.