

City of Woodland

REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

**TO: THE HONORABLE MAYOR
AND CITY COUNCIL**

DATE: February 16, 2010

SUBJECT: Public Works Monthly Status Report

Report in Brief

The Public Work's Department Monthly Status Report includes an extensive summary of the monthly activity of all divisions within the Department. This report also provides information regarding key projects and/or activities throughout the month.

Highlights

- Even with 1 week of furloughs during the month of November, Service Requests increased from 613 in November 2008 to 721 in November 2009; an increase of 17.6%.
- Even with 2 weeks of furloughs during the month of December, Service Requests increased from 805 in December 2008 to 965 in December 2009; an increase of 19.9%.
- Due to furloughs and the Thanksgiving holiday, the November Utility account shut-offs were completed in December.
- Due to furloughs and the Christmas/New Year's holidays, the December Utility account shut-offs will be combined with the scheduled January Utility account shut-offs.

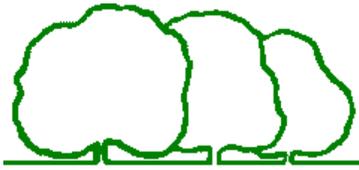
The operations detail contained in this report is for the months of November and December 2009 and all project related information is current as of January 23, 2010.

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Administrative Secretary

Reviewed by: Gregor G. Meyer
Public Works Director

Mark G. Deven
City Manager

Attachment



Public Works Department.
Monthly Status Report

Summary – November & December 2009



Beamer St Underpass Repair

For the Months of November & December 2009		
Division	Service Requests	Work Orders
Administration	886	
Electrical	48	200
Facilities	67	133
Fleet		250
Sewer	21	183
Signs & Markings	10	151
Storm Drain	7	32
Streets	25	54
Trees	32	48
Water	590	477
Grand Total	1,686	1,528

Service Request – Every time a request for Public Works services is made by phone call, written request, emailed request, or an actual one-on-one request to a PW employee, a ‘**Service Request**’ is generated. This builds a computerized record of all requests made.

Work Order – A ‘**work order**’ is created each time a work crew or individual is assigned a task as a result of either service requests, pre-planned maintenance projects, or by other situations as they arise. This produces a database of work accomplished and the time and materials it took to do the work.

Total for Calendar Year 2009

Work Orders Complete through 12/31/09

10,450

With **1,686 Service Requests** received, Public Works crews handled **1,528 Work Orders** for the months of November & December. They included:

Operations & Maintenance

Administration:

- The administration team received 1,686 Service Requests; 886 of which were handled through the front desk, and the other 800 requests were distributed to the appropriate division. (see chart above)
 - ◆ 42 Backflow Notifications were mailed to responsible parties regarding testing requirements
 - ◆ 410 Underground Service Alert (USA’s) requests processed

Electrical:

- 79 Street Light Work Orders
 - ◆ 65 Street Light Services
 - ◆ 3 Miscellaneous Service Requests
 - ◆ 11 Repairs
 - Exposed Wiring
 - Damaged Fixture
 - Handhold Cover
 - Len Replacement
- 47 Traffic Signal Repairs
 - ◆ 5 Installation/Upgrade Services

- ◆ 14 Miscellaneous Services
- ◆ 1 Pole Knockdown Repair Service
- ◆ 3 Turned Signal Head Repairs
- ◆ 1 Installation
- ◆ 11 Signal Repairs
- ◆ 10 Timing Checks
- ◆ 4 Signals in Flash Service Calls
- ◆ 2 Pedestrian Indicator Repair Services
- ◆ 1 Power Loss Service
- ◆ 1 UPS Maintenance Service
- ◆ 4 Repairs
 - 2 Damaged/Exposed Wiring
 - 2 Damaged/Missing Backplate
- 6 Facility Electrical Service Requests
- 5 Park Electrical Service Requests
- 2 Lift Station Instrument Calibration Service Requests
- 35 Electrical Services at Water Pollution Control Facility
- 16 Well Site Services (Install/Upgrade, Testing, Data Retrieval, SCADA Modification)
- Received/marked 410 Underground Service Alerts (USA's)

Facilities:

- 33 Repairs to City Hall
- 11 Repairs to Community Development
- 12 Repairs to Fire Stations 1, 2, 3
- 17 Repairs to the Library
- 21 Repairs to the Municipal Service Center
- 31 Repairs to the Police Department
- 8 Repairs to the Water Pollution Control Facility

Fleet:

- 250 Repairs to 187 different units (vehicles, apparatus & equipment)

Sewer:

- 16 Sewer Cleanout Services
 - ◆ 3 Inspections
 - ◆ 4 Repairs
 - ◆ 3 Replacements
 - ◆ 4 Preventive Maintenance Services – Installation
 - ◆ 2 Reactive Maintenance Services - Installation
- 106 Gravity Main Services
 - ◆ 68 Preventive Maintenance services utilizing CCTV (Closed Circuit Camera Inspections)
 - 17,325.1 Linear Feet Inspected
 - ◆ 29 Preventive Maintenance services utilizing the HVVC (High Velocity Vacuum Truck)
 - 67,556 Linear Feet Cleaned
 - ◆ 3 Routine Inspections
 - ◆ 1 Blockage Cleared

- 52 Sewer Lateral Services
 - ◆ 8 Inspections
 - ◆ 3 Blockages Cleared
 - ◆ 3 Locate Services
 - ◆ 3 Repairs
 - ◆ 10 Root Control Services
 - ◆ 9 Sanitary Sewer Overflow Events
 - 5 City Infrastructure Failure
 - 4 Private Property Infrastructure Failure
 - ◆ 3 Sanitary Sewer Overflow Follow Up Services
- 6 Manhole Services (flushing & repair)
- 2 Manhole Inspection
- Received/marked 410 Underground Service Alerts (USA's)

Signs & Marking:

- 19 Guide Sign Services
 - ◆ 13 Routine Maintenance Services
 - ◆ Routine Surveying
 - ◆ Street Name Sign Creation
- 10 Object Marker Services
 - ◆ 9 Routine Maintenance Services
 - 74 Markers Installed
 - ◆ Surveys
- 87 Regulatory Sign Services
 - ◆ 10 Knockdown Repairs
 - ◆ 46 Routine Maintenance Services
 - ◆ 14 Graffiti Removal Service
 - ◆ 12 Surveys
 - ◆ 3 Vandalism Repairs
- 4 Street marking Services
 - ◆ 2 Legend Installations
 - ◆ 2 Curbs Painted
- 18 Warning Sign Services
 - ◆ 10 Routine Maintenance Services
 - ◆ 3 Installations
 - ◆ 4 Graffiti Removal Services

Storm Drain:

- Gravity Main Services
 - ◆ Preventive Maintenance HVVC
 - ◆ Preventive Maintenance CCTV Inspections
- 8 Lift Station Services
 - ◆ 4 Inspections
 - ◆ Debris Clean Up
 - ◆ Monthly Generator Test
 - ◆ Routine Maintenance
- 13 Inlet Point Services
 - ◆ 2 Cleaning Service
 - ◆ 3 Illicit Discharges
 - ◆ Rain Duty

- Maintenance Hole Inspection
- Open Channel Maintenance
- Storage Basin Inspection
- Gutter Clean-Out Service – within City Limits

Streets:

- Road Edge Services
 - ◆ 2 Curb & Gutter Repairs
 - 66 Linear Feet
 - ◆ Guard Rail Maintenance
 - ◆ Weed Abatement
- Parking Lot Maintenance
 - ◆ Base Repair
 - 12 Square Feet
 - ◆ Trash & Debris Cleanup
 - ◆ Crack Seal
 - 1696 Linear Feet
- 6 Sidewalk Path Services
 - ◆ 2 Repairs
 - ◆ 1 Vandalism Repair
 - ◆ Trash & Debris Clean-Up
- 33 Road Services
 - ◆ 6 Base Failure Repairs
 - 5,931 Square Feet
 - ◆ 469 Pot Holes Patched
 - ◆ Skin Patching
 - 384 Square Feet
 - ◆ Crack Sealing
 - 45,792 Linear Feet
 - ◆ Bike Lane Sweeping
 - 10.2 Miles
 - ◆ 7 Traffic Control Requests
 - ◆ Trench Repairs
 - 69 Square Feet
 - ◆ Surveying
 - ◆ Road Grading
 - ◆ Miscellaneous Trash & Debris Clean-Up
 - ◆ Soundwall Vandalism Repair

Urban Forestry:

- 14 Hazardous Situation Responses
- 20 Inspections
- 1 Removal
- 2 Stump Grindings
- 3 Small Tree Care Services
- 4 Tree Plantings
- 3 Inspections

Water:

- Produced 314,043,056 gallons of drinking water in November
- Produced 247,053,232 gallons of drinking water in December
- Received/marked 410 Underground Service Alerts (USA's)
- 21 Control Valve Services (exercise, locate, repair, replace, water turn off/on)
- 1 Backflow Investigation
- 25 Hydrant Services
 - ◆ 17 Maintenance Services
 - ◆ 7 Repairs
 - ◆ 1 Replacement
- 2 Lateral Line Replacement
- 1 Lateral Line Repair
- 166 Lateral Valve Services
 - ◆ 58 Leak Detection Services
 - ◆ 43 Locate Services
 - ◆ 4 Valve Repairs
 - ◆ 9 Valves Replaced
 - ◆ 37 Water On/Off Services (Finance, Contractor, Homeowner Request)
 - ◆ 4 Water Quality Issues
 - ◆ 1 Service Valve Box Installation
 - ◆ 1 Valve Abandonment
 - ◆ 1 Tap Installation
 - ◆ 127 Shut Offs – Delinquent Water Bills
 - 112 Residential Accounts
 - 15 Commercial Accounts
- 48 Meter Services
 - ◆ 28 Meter Investigations
 - ◆ 6 Maintenance Services
 - ◆ 8 Meter Repairs
 - ◆ 3 Meter Box Replacements
 - ◆ Residential Meter Reads
 - ◆ Meter Reads – Commercial Utility Accounts
- 20 Pressurized Main Services
- 154 Production Well Services
 - ◆ 51 Inspections
 - ◆ 110 Maintenance Services
 - ◆ Well Monitoring Services
 - ◆ Sampling
 - ◆ No3 Monitoring
 - ◆ Disinfection Procedures
 - ◆ Security Services

Environmental Services

Solid waste/recycling:

- Finalized landfill waste disposal agreement with Yolo County.
- Monitored C&D debris recycling for 97 active projects, processed 1 new project, and closed out 8.
- Issued 2 code enforcement notices for illegal dumping/junk and debris.

- Coordinated collection of information on street sweeping and toter placement problems with Waste Management.

Green waste:

- Issued 105 green waste violation notices and 10 code enforcement notices. November green waste statistics show 52% (608 tons) collected in carts and 48% (552 tons) in street piles. December green waste statistics show 36% (474 tons) collected in carts and 64% (857 tons) in street piles.
- Processed rebates for 1 mulching mower and 4 compost bins.

Water conservation:

- Conducted outreach or issued violation notices related to 11 water-waste issues.
- Prepared for March public workshop with Yolo Resource Conservation District.
- Planned water-wise garden concepts and potential grant opportunities with Master Gardeners.
- Coordinated drafting of new water bill format for metered water use.

Storm water:

- Coordinated storm water compliance and storm readiness inspections of 20 construction sites.

Energy:

- Obtained independent verification of 2008 greenhouse gas emissions inventory and acceptance of inventory report by California Climate Action Registry.
- Coordinated with Yolo County and other county municipalities on energy efficiency financing and retrofit implementation grants.

Water Pollution Control Facility

November 2009

Laboratory

- Collected samples and performed over 400 process control and National Pollutant Discharge Elimination System (NPDES) permit compliance tests for the wastewater treatment plant.
- Collected monthly influent, effluent and receiving water monitoring samples; submitted to contract laboratories.
- Collected samples and performed 45 tests on treatment plant storage ponds.
- Prepared monthly Discharge Monitoring Report; submitted to the Regional Water Quality Control Board (RWQCB).
- Collected samples and performed 150 regulatory compliance tests for potable water.
- Finalized method development for nitrate testing.
- Monthly staff meeting/safety tailgate
- ELAP audit of the microbiology portion of our laboratory.

Pretreatment

- Performed 24 Food Service Business inspection
- Performed 2 Automotive Related Business inspections.
- Inspected 1 Business of Concern.

- Performed storm water inspections at all 27 ARBs.
- Delivered 3 Pretreatment Permit applications.
- Processed & delivered 7 Pretreatment Permits.
- Performed 47 Business License review/inspections
- 18 Public education & outreach visits
- Issued 1 Violation Notifications.
- Construction SWPPP coordination meeting
- Performed 32 SWPPP inspections
- SSO/Illegal Discharge meeting
- Monthly staff meeting/safety tailgate.
- 4 call-outs for spills, etc.

December 2009

Laboratory

- Collected samples and performed over 300 process control and National Pollutant Discharge Elimination System (NPDES) permit compliance tests for the wastewater treatment plant.
- Annual ground water monitoring. Collected over 200 samples and performed over 150 in-house tests.
- Collected monthly influent, effluent and receiving water monitoring samples; submitted to contract laboratories.
- Collected samples and performed 45 tests on treatment plant storage ponds.
- Prepared monthly Discharge Monitoring Report; submitted to the Regional Water Quality Control Board (RWQCB).
- Collected samples and performed 150 regulatory compliance tests for potable water.
- Finalized method development for nitrate testing.
- Monthly staff meeting/safety tailgate
- Responded to findings and recommendations from ELAP audit of the microbiology portion of our laboratory.

Pretreatment

- Performed 40 Food Service Business inspection
- Performed 24 Automotive Related Business inspections.
- Prepared & delivered 1 Significant Industrial User Permit
- Inspection/sampling at 2 SIUs
- Updated Industrial/Commercial User Survey
- Inspected 1 Business of Concern.
- Performed storm water inspections at all 27 ARBs.
- Delivered 2 Pretreatment Permit applications.
- Performed 6 Business License review/inspections
- 8 Public education & outreach visits
- Issued 1 Violation Notification.
- Construction SWPPP coordination meeting
- Performed 6 SWPPP inspections
- SSO/Illegal Discharge meeting
- Monthly staff meeting/safety tailgate.
- 4 call-outs for spills, etc.

Utility Engineering

Utility Engineering Legend:

Bolded text indicates new information

The initials enclosed in ()'s denotes the lead PW staff on the project.

(DB) Doug Baxter, Principal Civil Engineer

(DD) Dick Donnelly, Deputy Director, PW

(MC) Mark Cocke, Senior Civil Engineer

(AO) Akin Okupe, Senior Civil Engineer

(CO) Clara Olmedo, Associate Civil Engineer

(MH) Mark Hierholzer, WPCF Superintendent

Project: Yolo Bypass/City Storm Flows (MC)

Status: Congress passed the Water Resources Development Act in 2008 to restore our outfall channel capacity of 1,345 cubic feet per second (cfs). Floodsafe Yolo and the City will be restarting the Cache Creek Feasibility Study and the relationship of the Storm Drain outlet with the solution to Cache Creek Flooding will need to be included in the Feasibility Study.

What's Next: Modeling studies have been completed and submitted to FEMA. Wood Rodgers prepared a Letter of Map Revision (LOMR) for the City and County lands south of Cache Creek. This LOMR was submitted to FEMA for their review and also to the FEMA Group responsible for the Digital Flood Insurance Rate Map (DFIRM) on Friday August 21, 2009. This work should remove about 3,400 parcels in Woodland from the 1% floodplain and reduce flood insurance costs for others. As part of the modeling study, the grading done for Costco and Gateway was included to represent the present floodplain. **FEMA is still reviewing the LOMR. It will be about two months before we expect to see results.**

Project: Wastewater Treatment Plant/NPDES Permit (5 Year Renewal) (DB/MH)

Status: In February 2009 the final NPDES permit was issued by the RWQCB. The new permit requires the City of Woodland to move to an improved source water supply. It also requires significantly more testing and studies that will substantially increase operating costs. The California Sportfishing Protection Alliance (CSPA) has petitioned the adopted NPDES to the State Water Board and requested the State Water Board to hold the NPDES in abeyance for an unspecified period of time. The immediate impact on the permit is unclear at this time. But CSPA wants limits imposed on: Oil and Grease, and Settleable Solids. CSPA has also requested a complete rewrite of the NPDES permit. The State Water Board will hold a hearing to make a decision at some point in the future.

What's Next: The surface water project will continue to be pursued. Fiscal impacts of the permit will continue to be evaluated. Woodland staff met with the City Attorney to discuss options to the CSPA action. Staff advised the City attorney to meet with the Regional Board, to see if the Board would support a meeting with CSPA and the City. Regional Board said they will not support opening the NPDES discharge permit as a result of any agreements between the City and CSPA. So the City will wait and see if the State Water Board will agree to open the NPDES permit based on CSPA's petition at some later date. The hearing at the State Board could

take up to two years before it's heard. **Staff is looking into long-term planning options.**

Project: Flood Protection (MC)

Status: Floodsafe Yolo has reviewed the Project Management Plan (PMP) for the Cache Creek Feasibility Study and it is presently being reviewed by the Corps and DWR. A presentation was made to Council on November 16, 2009.

What's Next: Levee protection zone meeting identified a need to check the status of the Cache Creek Settling Basin (CCSB) levees and the Yolo Bypass levee directly south of the CCSB. These levees have been decertified by FEMA and the City will be working with Flood Safe Yolo to address this problem FloodSafe Yolo is working with DWR and the Corps on the funding agreement for the Feasibility Study. **The PMP is under Corps and DWR review.**

Project: Storm Drainage Enterprise Operation (MC)

Status: Storm Drain system inspections/project requirement definition in progress. Storz Pond has been replanted.

What's Next: An agreement is being developed with the RCD to maintain the native grass planting on site. **The RCD agreement should be signed in February.**

Project: Surface Water Program (DD)

Status: **The newly formed Joint Powers Authority for executing and overseeing the Davis-Woodland Water Supply Project is now formally named The Woodland-Davis Clean Water Agency. Agency Board meetings are scheduled to be held on the third Thursday of each month from 3:00 to 5:00 pm. Meeting locations will alternate between the Woodland and Davis City Halls. The project website will post the meeting agendas and any notices for variations in meeting schedules or locations. The current focus on the project includes finalizing the pending 1994 water rights permit, recruitment and selection of the Agency General Manager and Secretary, pursuit of Federal and State supplemental funding opportunities, further analysis and development of innovative facility procurement options, and further development and implementation of community outreach and education opportunities.**

What's Next: **The next Authority meeting is scheduled for February 18th, at 3:00pm, to be held at the City of Woodland Council Chambers.**

Project: Meter implementation (DB/AO)

Status: On January 20, 2009, the City received highly competitive and favorable bids reflecting Teichert Construction Company as the apparent low bidder. City Council authorize award of the Water Meter Implementation Phase 1 construction contract to Teichert Construction Company in the amount of \$1,324,319. **Work is almost complete with close to 100% receiving efficiency at the Data Collection System.**

What's Next: Work was substantially completed in December 2009. Residential meter rates have been enacted this year as required for January 1, 2010. **Sample water billings will occur by about March of 2010 and residential consumption based billing will begin in November of 2010.**

Project: Replace Elevated Storage Tank (DB/AO)

Status: Presentations have been made to City Council, Parks and Planning Commissions and at a neighborhood public meeting. Council has approved bid documents and the bid award. Contract was awarded to Chicago Bridge Inc. **The contractor completed the foundation work in October 2009 and started steel erection in December.**

What's Next: The steel erection should finish in February 2010. Pipeline work to connect the new tank to the water distribution grid **has been awarded.**

Project: Supervisory Control and Data Acquisition (SCADA) (DB/AO)

Status: SCADA design has been complete by Kennedy-Jenks. Ecologic Engineering Inc. will be the construction management firm and as also done an independent review of the design.

The SCADA system and water-meter radio systems are totally separate operating systems. The water-meter radio system collects data via radio signals from the individual water-meters, sends it to a central location where the data is compiled, and then forwarded to our finance department for inclusion in customer's water bills. SCADA, on the other hand, is used to coordinate the functional workings of the City water system; including the storage tank and all 18 of our wells.

SCADA:

- 1. Allows the wells to operate in a coordinated manner so as to keep the tank at a near full condition to improve water pressure throughout the day.**
- 2. Continuously monitor nitrate levels in our pumped groundwater to assure that it meets regulatory water quality standards without fail.**
- 3. Monitors wells for operational readiness and physical condition.**

4. **Allows for the most efficient wells to be operated most frequently reducing overall pumping costs.**
5. **Monitor security issues**

What's Next: **SCADA will be bid in January 2010 and operational by end of 2010.**

Project: Replace Well 22 and Well 15 (CO/AO/DB)

Status: Numerous attempts have been made to solve the serious but intermittent problem of the wells pumping sand which gets into the distribution system and household plumbing. New well sites have been selected by PW and are being coordinated with Parks. The new site for well 22 is 100 feet north-north-west of existing well 22 and similar distance north of Well 15. Staff received a technical memo on each well's evaluation. Staff also received a work proposal from Brown and Caldwell. Drilling contract has been awarded. Neighbors have been contacted and notified that work is about to begin and briefed by letter and/or by door to door contact of the conditions that will occur during construction. Test wells are being drilled and water quality results are being evaluated. Well drilling for the full production well is underway for Well 15.

What's Next: Well drilling has begun. Due to water quality results and State requirements additional confirmation water sampling will be done for Well 22. A website will be set when we have the contractor's construction schedule up to keep residents informed of the construction schedule. Additional depth drilling is required to further evaluate the water quality mix from the various water bearing levels.

We are meeting with the State to resolve water quality permitting issues.

Project: Backup Power for Wells (CO/AO/DB)

Status: Additional backup generating power will be added to at least 3 wells. Staff received proposals and awarded contract to the lowest responsible bidder. Generators have been received by the City. Council has approved plans and specifications for the modifications of Well 4 site to accommodate a permanent generator. **DMV and Air Quality Control District clearance has been obtained.** Design has been completed and construction work is underway for the related fencing and electrical modifications needed at each site to receive these generators.

What's Next: **This work is currently under construction**

Project: Groundwater Monitoring Wells (DB/AO)

Status: The location of the monitoring wells is being determined through the Groundwater Management Plan (GWMP). One well has been installed and water sampling is periodically occurring.

What's Next: Site selection under way for future sampling well locations. It is planned that this work will be done in 2011.

Project: Groundwater Management Plan (DB/AO)

Status: The Groundwater Management Plan is being coordinated with similar work being done by the Yolo County Flood Control and Water Conservation District. Evaluation and writing of the GWMP is underway. Staff received cost update from West Yost. Work is underway to evaluate drought impacts and anticipated impacts if the drought continues.

What's Next: Staff to coordinate project with Yolo County and the Urban Water Management Plan that is being done by the same engineering firm. Work on the preparation of the report is underway. This work is underway. The report is 60% complete.

We are perusing the 5-year update to the Urban Water Management Plan. There have been changes in State mandates for conservation and several of those items will need to be reflected as new action items in the new Urban Water Management Plan that will be completed this Fiscal Year. We do not have a list of these action items because it is still not determined what needs to be included and how it should be best implemented. We believe that ultimately citywide metering will lead to a significant (15% +/-) water use reduction and this was considered in setting our current rate structure. It was important to consider the conservation use reduction to make accurate predictions of capital and water use operation costs and revenue projections for the water rates. Conservation is important to both minimize impact to the environment and to keep long-term operational and capital costs as low as possible.

They due date has been extended by the State to 7/1/11.

Project: Water Focus Study (DB)

Status: Hydraulic modeling has been done. The sections of the report dealing with the coordination of the use of wells and surface water supplies are being written. Likewise, the report is being amended to reflect the expected 15% water conservation that should occur with the City being fully metered. Draft of study should be available by **early 2010**.

What's Next: Consultant will update the report to reflect the citywide metering that will be completed over the next to years with is associate estimate 15% water use reduction. The water use reduction will result from meter related conservation. Consultant will also update the Capital Improvement Program (CIP) list. This updated information was incorporated in the water rate study. Modeling is being done to determine the size and location of water transmission lines and tanks for the Surface Water Supply Project. This work is underway.

Project: County Jail Well Acquisition (CO)

Status: Staff awarded engineering contract to Brown and Caldwell for technical memo on well evaluation. County applied for and did not receive a grant to implement this project.

What's Next: Contacted CDPH to determine if well can be permitted to the City of Woodland. City of Woodland will finish the engineering analysis so we can decide how best to proceed. This work is underway.

Project: Meter implementation Phase 2 (DB/AO)

Status: City staff received grant funding to install meters on 10,000 houses in the City. Council awarded contract to Teichert Construction, notice to proceed was issued on September 17, 2009. A construction management firm has been selected to manage the project. The project construction has begun and work is expected to be completed in June 2012.

Phase 1 metering involved about 5,000 water users and this work was recently completed. It included putting automated meter reading (AMR) equipment on existing meters of businesses as well as homes built post 1991. Phase 1 work is essentially completed

Phase 2 metering is for installing meters plus AMR on all the remaining 10,000 properties. In addition to installing water meters, many water service lines from water mains will need to be replaced due to their poor condition. Funding is provided by federal stimulus fund of \$14.8M (half low interest loan and half grant) plus \$2.3M in City Water Enterprise Funds.

What's Next: Staff to submit updated budget to CDPH. Staff will also submit quarterly report as indicated in the funding agreement to CDPH.