



Public Works Department.
 Monthly Status Report
 Summary – August 2010

For the Month of August 2010		
Division	Service Requests	Work Orders
Administration	691	
Electrical	30	111
Facilities	49	47
Fleet		271
Sewer	6	58
Signs & Markings	7	57
Storm Drain	4	68
Streets	29	36
Urban Forestry	55	37
Water	152	227
Grand Total	1,023	912

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 2010 Through 8/31/2010	
Service Requests 9,903	Work Orders Complete 7,135

With **1,023 Service Requests received**, Public Works crews handled **912 Work Orders** for the month of August. They included:

Operations & Maintenance

Administration:

- The administration team received 1,023 Service Requests; 691 of which were handled through the front desk, and the other 332 requests were distributed to the appropriate division. (see chart above)
 - ♦ 35 Backflow Notifications were mailed to responsible parties regarding testing requirements
 - ♦ 395 Underground Service Alert (USA’s) requests processed
 - ♦ *Due to the implementation of new Utility billing software in the Finance Department, there were no delinquent shut offs in the month of August. In September, the delinquent shut-offs will cover both August and September delinquent accounts.*

Electrical:

- 45 Street Light Work Orders
 - ♦ 37 Street Light Services
 - ♦ 1 Locate Electrical Line Service
 - ♦ 2 New Installations
 - ♦ 1 Knockdown Repair
 - ♦ Asset Management

- ◆ Inspections
- 20 Traffic Signal Repairs
 - ◆ 1 Turned Signal Head Repairs
 - ◆ 1 Damaged/Exposed Wiring Service Call
 - ◆ 1 Damaged/Missing Visor Service
 - ◆ 3 Power Loss Service Calls
 - ◆ 1 New Signal Installations
 - ◆ 4 Signal Repairs
 - ◆ 4 Timing Checks
 - ◆ 4 Installation/Upgrades
 - ◆ Inspection
 - ◆ Asset Management
 - ◆ Bi-Monthly Inspection
 - ◆ Conflict Monitor Testing
 - ◆ Graffiti Removal Services
- 3 Facility Service Requests
- 20 Water Pollution Control Facility Service Requests
- 11 Well Site Services (Install/Upgrade, Testing, Data Retrieval, SCADA Modification)
- Received/marked 395 Underground Service Alerts (USA's)

Facilities:

- 10 Repairs to City Hall
- 6 Repairs to the Library
- 13 Repairs to the Municipal Service Center
- 11 Repairs to the Police Department
- 3 Repairs to the Water Pollution Control Facility
- 4 Repairs to Fire Stations 1,2 & 3

Fleet:

- 271 Work Order Repairs to 115 different units (vehicles, apparatus & equipment)

Sewer:

- 6 Sewer Cleanout Services
 - ◆ 3 Preventive Maintenance Service – Installation
 - ◆ 1 Reactive Maintenance Services – Installation
 - ◆ 1 Inspection
 - ◆ 1 Repair
- 16 Gravity Main Services
 - ◆ 14 Preventive Maintenance services utilizing CCTV (Closed Circuit Camera Inspections)
 - 244 Events
 - 4,056 Linear Feet Inspected
 - ◆ 15 Preventive Maintenance services utilizing the HVVC (High Velocity Vacuum Truck)
 - 23,719 Linear Feet Cleaned
 - ◆ Routine Inspections
 - ◆ Routine Maintenance
- 12 Sewer Lateral Services
 - ◆ 6 Inspections

- ◆ 1 Preventive Maintenance Service utilizing the CCTV
- ◆ 2 Repair Services
- ◆ 2 Lateral Lines Replaced
- ◆ 1 Root Control Services
- ◆ 1 Sanitary Sewer Overflow Events
- 2 Manhole Services (flushing & repair)
- Received/marked 395 Underground Service Alerts (USA's)

Signs & Marking:

- 1 Guide Sign Services
 - ◆ Routine Maintenance Services
 - 2 Signs
- 2 Object Marker Services
 - ◆ Routine Maintenance Services
 - 25 Markers Installed
- 7 Raised Pavement Marker Services
 - ◆ Installation
 - 1,088 Markers Installed
 - ◆ Repaired/Replaced
 - 1,269 Markers Repaired/Replaced
- 30 Regulatory Sign Services
 - ◆ 26 Routine Maintenance Services
 - 71 Signs
 - ◆ 2 Knockdown Repairs
 - ◆ 2 Graffiti Removal Services
 - 2 Signs
- 14 Street Marking Services
 - ◆ 4 Legend Paint Services
 - ◆ 7 Pressure Washing Services
 - ◆ 22 Curb Paint Services
 - ◆ Surveying
- 2 Banner Services
- 1 Community Billboard Change Out Service

Storm Drain:

- 57 Gravity Main Services
 - ◆ 57 Preventive Maintenance CCTV Inspections
 - 255 Events
 - 12,731 Linear Feet Inspected
- 1 Inlet Point Services
 - ◆ 1 Illicit Discharge
- 2 Lift Station Services
 - ◆ 2 Inspections
- Open Channel Maintenance/Inspection
- Culvert Inspection
- Sample Station Quarterly Inspection
- Gutter Inspection

Streets:

- Road Edge Services
 - ◆ Curb & Gutter Spot Repair
 - 4 Square Feet
 - ◆ Weed Abatement
- Parking Lot Services
 - Trash & Debris Clean Up
- 12 Sidewalk Path Services
 - ◆ 5 Repairs
 - 170 Square Feet
 - ◆ 6 Spot Repairs
 - 117 Square Feet
 - ◆ Surveying
- 17 Road Services
 - ◆ 1 Base Failure Repairs
 - 140 Square Feet
 - 1.5 Tons of A.C.
 - ◆ Accident Clean-Up
 - ◆ Pot Hole Patching
 - 51 Pot Holes Patched
 - ◆ Skin Patching
 - 252 Square Feet
 - ◆ Traffic Control
 - ◆ Trench Repair
 - ◆ Trash & Debris Clean-Up
- 2 Sound wall Services
 - ◆ Graffiti Removal
 - ◆ Repairs
 - 28 Linear Feet

Urban Forestry:

- 8 Hazardous Situation Response
- 2 Trees Planted
- 12 Abatements
- Right-of-Way Clearance Services
- Small Tree Care
- Investigations

Water:

- Produced 598,570,444 gallons of drinking water in August
- Received/marked 395 Underground Service Alerts (USA's)
- 25 Control Valve Services (exercise, locate, repair, replace, water turn off/on)
- 15 Hydrant Services
 - ◆ 8 Maintenance Services
 - ◆ 7 Repair Services
- 57 Lateral Valve Services
 - ◆ 14 Leak Detection Services
 - ◆ 19 Locate Services
 - ◆ 1 Water Quality Service Requests
 - ◆ 15 Water On/Off Services (Finance, Contractor, Homeowner Request)

- ◆ 4 Repair/Replace Service Valve Services
 - ◆ 1 New Tap Installation
 - ◆ 1 Service Valve Box Installation
- 43 Meter Services
 - ◆ 25 Meter Investigations
 - ◆ 14 Meter Repairs
 - ◆ 2 Meter Replacements
 - ◆ 2 Meter Box Installations
 - ◆ Residential Meter Reads
 - ◆ Meter Reads – Commercial Utility Accounts
- 12 Pressurized Main Services
- 69 Production Well Services
 - ◆ 19 Inspections
 - ◆ 40 Maintenance Services
 - ◆ Sampling
 - ◆ No3 Monitoring
 - ◆ Disinfection Procedures
 - ◆ Security Services

Environmental Services

General:

- Gave a presentation to approximately 50 Sunrise Rotary members on City environmental requirements and Environmental Services solid waste diversion/recycling, water conservation, storm water quality, and energy programs.

Solid waste/recycling:

- Staffed the Yolo County Recycles booth at the Yolo County Fair, along with representatives of other Yolo County municipalities, Yolo County staff, and Waste Management.
- Distributed 70 oil filter collection containers, 70 tire pressure gauges, and 70 Frisbees with a used oil recycling message at the fair and surveyed 98 residents on oil disposal practices.
- Monitored C&D debris recycling for 25 active projects, opened 2 new projects and closed out 3: Poelman Construction (Fitness System) 94% diversion, DAS Homes 100% diversion, Hilbers Inc. (Burger King) 59% diversion.
- Continued independent performance review of Waste Management of Woodland.

Green waste:

- Issued 177 green waste violation door hangers, conducted 27 code compliance follow-ups, and issued 1 administrative citation. August green waste statistics show that 86% (713 tons) was collected in carts while 14% (115 tons) was collected in street piles.
- Processed rebate for 6 mulching mowers.

Water conservation:

- Developed and staffed a water conservation outreach booth at the Yolo County Fair in conjunction with the California Department of Water Resources Save Our Water campaign. Distributed 61 toilet dye tablets, 161 kids' activity booklets or sticker sheets, 33 Mr. Droplet stress relievers, 48 water conservation/stormwater fans, and 122 brochures.

- Continued troubleshooting assistance on major residential water leaks, bringing the estimated water savings from repairs of major residential leaks to a cumulative savings of more than 2 million gallons per month.

Storm water:

- Led coordination of Environmental Compliance and Utilities staff with Yolo County HazMat division to improve practices for combined incident response and investigations.

Water Pollution Control Facility

Laboratory

- Collected samples and performed over 300 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).
- ELAP Audit of our Ion Chromatography Program.
- Sampling for additional bioassay testing.
- Collected samples and performed 150 regulatory compliance tests for potable water.
- Reviewed/finalized Chemical Hygiene Plan.
- Monthly staff meeting/safety tailgate
- Training – Confined Space Entry/Rescue, 24 hours, All Staff

Pretreatment

- Inspections
 - Auto Related Businesses - 18
 - Food Service Business inspections - 32
- Permit applications or permits - 5
- Violation Notifications - 0
- Business License review/inspections
- Meeting with Yolo County DA's Consumer & Environmental Enforcement Unit regarding dumping incident on Hayes Lane
- Public education & outreach visits - 25
- SWPPP inspections - 6
- Construction SWPPP coordination meeting
- Development Review Committee meeting
- Plan review for Building/CDD -
- Monthly staff meeting/safety tailgate
- Training – Confined Space Entry/Rescue, 24 hours, All Staff

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.

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. Two sets of comments have been received from FEMA and have been

responded to by Wood Rodgers. The last set of comments dealt

with the 500-year flood limits and the condition of levees on Cache Creek. It is hoped that these will be the last set of comments before

approval. FEMA has decided that this will be a physical map

revision due to the size of the remapped area. We received an official notification from FEMA on their review process and we

expect notification in 90 days provided they have no further

questions. The latest letter from FEMA indicates that they are

planning on working on the Physical Map Revision (PMR) beginning in August 2010. This process will take 12 to 18 months before a

new map could be finalized. The City is seeking help from our

elected officials to seek the approval of the LOMR as requested,

and then FEMA can follow its policy for the PMR while the LOMR will put the new map in effect for Flood Insurance purposes. The

Congressional process is still being pursued; meetings are being scheduled on this topic in the next two weeks. As a result of the

congressional process, a joint letter from both Congressional

Representatives was sent to FEMA asking for an extension of the refund for insurance paid after the preliminary DFRIM is published.

What's Next:

The FEMA Contractor has started the Physical Map Revision (PMR) and should produce the Draft PMR in late September. The Draft PMR will be issued for public review and comment and finalized in

about 90 days. If no substantial comments are received, the Draft FIRM will be issued and become final after six months.

Project: Wastewater Treatment Plant/NPDES Permit (5 Year Renewal) (DD/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.

On April 12, 2010, Mayor Skip Davies, Councilmember Bill Marble, City Staff and City's permit writing consultant Dan Rich met with senior staff from the Regional Water Quality Control Board (RWQCB). The purpose of this City requested meeting was to verify that boron, salt and selenium final limits will be in our waste discharge permit, and that these limits will cause the City to move to an improved water quality supply or other substantially more expensive treatment processes. We discussed all the conceivable alternatives and why improving our water quality supply is the least costly viable option. RWQCB made it clear that boron, salt and selenium final limits will be in our permit. RWQCB also said that they would enforce these limits with fines to eliminate all incentives to delay moving forward and that fines could be as high as \$10 per gallon per day of wastewater not in compliance (at current flows the fines would be up to \$60,000,000 per day). Under our current permit each year we have to submit compliance reports on moving to an improved source water supply. If we delay for example 2 years and saved \$11,000,000 in interest, the fines would exceed that amount to eliminate any incentive to delay implementation of salt reduction.

In July, staff met again with RWQCB staff to discuss the recent establishment of Selenium discharge limits and the process for requesting a 5 year Time Schedule Order (TSO) for compliance (to place minimum mandatory fines in abeyance) since we're pursuing completion of the surface water project. RWQCB staff cited recent case decisions that now preclude them from issuing a 5 year TSO if the date for coming into compliance is over five years away. The city was told we could resubmit when we're within 5 years of compliance (or approx Jan 2011). Pending that point, Woodland will experience minimum mandatory fines of up to \$12K per month.

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. Wastewater treatment long-term planning is underway.

The City of Woodland and the City of Davis are evaluating the feasibility of combining treatment into a regional facility. The Regional study completed the first stage of the Fatal Flaw assessment in June 2010. This information was presented to the Davis City Council in **July along with the option to expand locally as the two remaining viable options for Davis. Davis staff is scheduled to present a recommendation to the Davis Council on September 21st. A presentation to the Woodland infrastructure committee is being planned for late August/early September with a Woodland Special Study Session scheduled for September 28th.**

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. **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. A tour with the Corps has been scheduled for April 1st at 9:00 starting with a meeting in the Council Chambers and a tour of the project area. The Tour was very successful and the Corps and DWR are working on the PMP. The FY2011 budget request has been increased to \$500,000. The PMP has been approved by the Corps and Floodsafe Yolo members will be approving it soon. Then DWR will be signing off on the document. After this happens a fund sharing agreement between all parties will need to be formalized.**

What's Next: DWR has reviewed the PMR and Cost Sharing Agreement and will submit these to the Central Valley Flood Protection Board (CVFPB) for approval on their September 21, 2010 meeting. Then the documents will be sent the Corps District HQ in San Francisco for review and comment. The Final documents will then be sent to the

CVFPB and the local sponsors for final signature. This will formally reinitiate the Cache Creek Feasibility Study. Congress has appropriated between \$100,000 (Senate) and \$500,000 (House) for FY 2011. Skip Davies and Floodsafe Yolo met with Congressman Herger to discuss funding on August 18, 2010. The available funds will be decided during Conference Committee. Formal Start is expected in November 2010.

Project: Storm Drainage Enterprise Operation (MC)

Status: Storm Drain system inspections/project requirement definition in progress. Storz Pond has been replanted. **An agreement is being developed with the RCD to maintain the native grass planting on site. City Attorney Andrew Morris has reviewed the agreement from the City's perspective. We have developed an agreement with the RCD and they are now maintaining the vegetation in the pond.**

What's Next: **The RCD is also tasked with developing a plan for the East Detention Pond. As part of the plan development the RCD has removed the tamarisk trees (an invasive, noxious plant) from the site and harvested seeds from the salt tolerant vegetation for establishment around the site.**

Project: Surface Water Program (DD)

Status: The Joint Powers Authority for executing and overseeing the Davis-Woodland Water Supply Project is the Woodland-Davis Clean Water Agency. Agency Board meeting times are scheduled to be held on the third Thursday of each month from 2:00 to 4:00 pm. Meeting locations alternate between the Woodland and Davis City Halls. The new project website at wdcwa.com contains the meeting agendas and any notices for variations in meeting schedules or locations. Recruitment and selection of the Agency General Manager is complete and Dr. Eric Mische was selected for the position. Dr. Mische was most recently the General Manager for the Freeport Regional Water Authority which is a very similar project to this undertaking with an intake on the Sacramento River with water treatment and distribution. The current focus on the project includes finalizing the pending 1994 water rights permit evaluation and selection of a river intake option. The current Agency focus also includes 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 September 23rd, at 2:00pm, to be held at the City of Woodland Council Chambers.

Project: Replace Elevated Storage Tank (DB/AO)

Status: The project is 95% complete. Steel structure has been painted.

What's Next: Tank will be connected to the system once operational systems are in place to control pressures until SCADA system is operational in mid 2011. Tank will likely be on line by early July.

Tank art work price came in much more expensive than anticipated at about \$68,000. City staff has recommended deferring the paint work due to project cost and overall budgetary implications. Staff is looking into other sources of funding for this work.

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

Status: SCADA contract has been awarded to Auburn Constructors. 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 New: Work will begin **September 2010**. FCC licensing process continues. System should be operational by June 2011.

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

Status: Over the years numerous attempts were 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 and 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. Both wells have been drilled. City staff met with representative of CDPH (California Department of Public Health) who have determined that the City may stay with the upper limit of 1600 for electrical conductivity.

What's Next: The plumbing work is underway to reconnect the new wells to the distribution system. Integration of existing mechanical and electrical systems is underway. **Anticipated completion date for the wells is August 2010 for Well 15 and September for Well 22.**

Project: Backup Power for Wells (CO)

Status: Additional backup generating power was needed to 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. Council awarded the contract on January 19, 2010. Electrical and site work is functionally complete at Wells 13 and 20. Well 4's fixed base generator will be installed under the Beamer water pipeline and Well 4 rehab work contract.

What's Next: This work is currently under construction. **A portable generator currently sits on the Well 20 site; the other portable generator will stay in the MSC yard in case of an outage at any other wells that were equipped with a storm switch (Well 13,15,18, and 21). Work is underway for Well 4; generator has been set in place and will be tested end of Aug 2010.**

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: **Funding approval is needed.** Site selection is under way for future sampling well locations. It is planned that this work will be done in 2011 or 2012 depending on the final approved Capital Improvement Plan that is currently under development.

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.

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. **The report is 90% complete.** This work will be presented to the Yolo County Water Resource Council.

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.

The due date has been extended by the State to 7/1/11. **Staff expects to present the Groundwater Management Plan to Council in December 2010.**

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 has been amended to reflect the expected 15% water conservation that should occur with the City being fully metered.

What's Next: Additional modeling is being done to determine best location of ground level tanks to blend surface water throughout the city. **Draft of study has been submitted to the City and City staff has commented on this document. Focus Study will be finalized once we get the results from a separate evaluation done on how best to blend and move the surface water throughout the City. This study may affect tank sizing and location.** Modeling is also 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 (LH/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. Staff also discussed the permitting requirements for the transfer with CDPH. CDPH staff expressed support for consolidating water systems, i.e. City running the water supply system at the County jail.

What's Next: Staff is pressing Brown and Caldwell to expedite the completion of the technical memo on the well evaluation. 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. We have met with CDPH. City will have CDPH staff visit the well site and make recommendations as part of the approval process. **Brown and Caldwell is working on getting a cost**

estimate for the City to take over the well, reviewing the last Title 22 results performed by County and evaluating the pros and cons to the City.

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. Work is proceeding within budget.

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. Staff successfully worked with the State to allow City share to be used last and not first which is normal and was previously required. Project is 10% complete; staff attended training session with CDPH on claim reporting. Staff hopes to both completed the work and keep most of the cost within the federal stimulus fund so as to minimize the utilization of the \$2.3M in City Water Enterprise Funds. Staff has completed the modification work that was needed on some of the older meter registers so more accurate data can be obtained to help homeowners with determining if they have leaks in their water plumbing system.

What's Next: Staff to submit updated budget to CDPH. Staff will also submit quarterly report as indicated in the funding agreement to CDPH. Staff is now working on obtaining reimbursements from the State for costs incurred for construction and staff time. **On 8/23/10 we received the 1st reimbursement check for about \$3.1M.**

Project: Well #1 Replacement (CO)
Status: **The new Yolo County Courthouse project will displace the existing location of Well #1. Construction of a new well to replace existing Well 1 will need to be completed prior to construction of the new courthouse that is scheduled to begin December 2011. The new site for the new well location has been selected to be Freeman Park.**

What's Next: West Yost and Associates is working on the pre-design of the well. Funding of this project is still under negotiations between Re-development and by the State who will partly fund well replacement. A proposal for well design has been submitted by West Yost and is under review. Design must proceed to meet the new courthouse schedule for their groundbreaking ceremony scheduled for Dec. 2011.

Project: First New Ground Level Tank and Booster Pump Station(AO/DB)
Status: The City has a 3 million gallon deficit in water storage and about 6,000 gallon per minute deficit in water pumping capacity. This project will significantly reduce these problems.

What's Next: Water modeling is underway to confirm the best location for the tank to address hydraulic deficiencies and to optimize the distribution of the higher quality water that will result from the surface water supply project.

Project: East Street to Pioneer 36" Water Main (MC/CO)
Status: City is coordinating with four Spring Lake area developers to install a 36" water main instead of constructing a 12 inch water main that was part their obligation to front their developments in order for the City to save money and to meet the needs of the surface water project.

What's Next: Contract has been signed for Brown and Caldwell to perform design services for pipeline.