

City of Woodland

REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR
AND CITY COUNCIL

DATE: September 15, 2009

SUBJECT: Public Works Monthly Status Report

Report in Brief

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

Highlights

- Applied for and received grant funding in the amount of \$14.839 million dollars for the Water Meter Project, Phase II, a portion of which will be in the form of a low interest loan.
- Service Requests increased from 913 in July 2008 to 1390 in July 2009; an increase of 52%

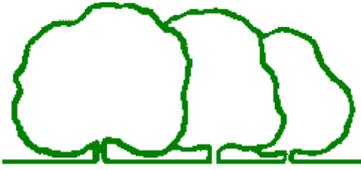
The operations detail contained in this report is for the months of June & July 2009 and all project related information is current as of August 14, 2009.

Prepared by: Stephanie Frank
Administrative Secretary

Reviewed by: Gregor G. Meyer
Public Works Director

Mark G. Deven
City Manager

Attachment



Public Works Department.
 Monthly Status Report
 Summary – June & July 2009



For the Month of June & July 2009		
Division	Service Requests	Work Orders
Administration	1359	
Electrical	47	122
Facilities	96	125
Fleet		402
Sewer	26	156
Signs & Markings	6	336
Storm Drain	10	98
Streets	48	89
Trees	79	77
Water	935	447
Grand Total	2,606	1,852

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 7/31/09
6,306

With **2,606 Service Requests received**, Public Works crews handled **1,852 Work Orders** for the months of June & July. They included:

Operations & Maintenance

Administration:

- The administration team received 2,606 Service Requests; 1,359 of which were handled through the front desk, and the other 1,247 requests were distributed to the appropriate division. (see chart above)
 - ◆ 72 Backflow Notifications were mailed to responsible parties regarding testing requirements

Electrical:

- 37 Street Light Work Orders
 - ◆ 27 Street Light Services
 - ◆ 6 Miscellaneous Service Requests
 - ◆ 4 Repairs
- 27 Traffic Signal Repairs
 - ◆ 1 Conflict Monitor Test
 - ◆ 3 Installation/Upgrades
 - ◆ 1 LED Change Out
 - ◆ 3 Electrical Line Locate Services
 - ◆ 6 Miscellaneous Service Requests
 - ◆ 2 Power Loss Work Orders
 - ◆ 1 Turned Signal Head Repair

- ◆ 2 Signal Light Out Services
- ◆ 6 Signal Not-Working Work Orders
- ◆ 2 Timing Check Requests
- 14 Facility Electrical Service Requests
- 3 Lift Station Repairs
- 16 Electrical Services at Water Pollution Control Facility
- 35 Well Site Services (Install/Upgrade, Testing, Data Retrieval, SCADA Modification)
- Received/marked 894 Underground Service Alerts (USA's)

Facilities:

- 30 Repairs to City Hall
- 11 Repairs to Community Development
- 13 Repairs to Fire Stations 1, 2, 3
- 7 Repairs to the Library
- 31 Repair to the Municipal Service Center
- 31 Repairs to the Police Department
- 2 Repairs to the Water Pollution Control Facility

Fleet:

- 402 Repairs to 243 different units (vehicles, apparatus & equipment)

Sewer:

- 23 Sewer Cleanout Services
 - ◆ 4 Inspections
 - ◆ 10 Preventive Maintenance Services
 - ◆ 7 Reactive Maintenance Service
 - ◆ 1 Repair Services
 - ◆ 1 Replacement Service
- 93 Gravity Main Services
 - ◆ 67 Preventive Maintenance services utilizing CCTV (Closed Circuit Camera Inspections)
 - 11,999.5 Linear Feet Inspected
 - ◆ 17 Preventive Maintenance services utilizing the HVVC (High Velocity Vacuum Truck)
 - 31,290 Linear Feet Cleaned
 - ◆ 5 Repair Services
 - ◆ 1 Routine Inspection
- 30 Sewer Lateral Services
 - ◆ 15 Inspections
 - ◆ 3 Blockages Cleared
 - ◆ 3 Preventive Maintenance services utilizing CCTV
 - ◆ 3 Repairs
 - ◆ 3 Replacements
 - ◆ 3 Sanitary Sewer Overflow Events
- 6 Manhole Services (flushing & repair)
- Received/marked 894 Underground Service Alerts (USA's)

Signs & Marking:

- 15 Guide Sign Services
 - ◆ 15 Routine Maintenance Services
- 8 Object Marker Services
 - ◆ 8 Routine Maintenance Services
 - 67 Markers Installed
- 3 Raised Pavement Marker Services
 - ◆ 1 Installation Work Order
 - 108 Markers Installed
 - ◆ 2 Repair/Replacement Work Orders
 - 10 Markers Replaced
- 161 Regulatory Sign Services
 - ◆ 5 Knockdown Repairs
 - ◆ 150 Routine Maintenance Services
 - ◆ 2 Installation Services
 - ◆ 3 Graffiti Removal Services
 - ◆ Routine Surveying
- 134 Street Marking Services
 - ◆ Routine Maintenance – Thermoplastic Application
 - 13,146.5 Linear Feet
 - ◆ Routine Survey
 - ◆ Legends
 - 168 Linear Feet
 - ◆ Parking Tee's
 - 51 Tee's applied
 - 78 Linear Feet
- 7 Warning Sign Services
 - ◆ Routine Maintenance Service
 - ◆ 3 Installation Services
 - ◆ 3 Surveying Services

Storm Drain:

- 6 Catch Basin Services
 - ◆ 2 Illicit Discharge Responses
 - ◆ 3 Inspections
 - ◆ 1 Inlet Cleaning
- 60 Gravity Main Services
 - ◆ 4 Inspections
 - ◆ 31 Preventive Maintenance CCTV Inspections
 - 3,017.8 Linear Feet Inspected
 - ◆ 19 Preventive Maintenance HVVC Inspections
 - 2,019 Linear Feet Inspected
- 6 Lift Station Services
 - ◆ 4 Inspections
 - ◆ Routine Maintenance
 - ◆ Monthly Generator Test
- 3 Gutter Services – Cleaning & Repair
- 8 Inlet Point Services
 - ◆ 1 Cleaning Service
 - ◆ 4 Illicit Discharges

- ◆ 3 Inspections
- 10 Manhole Inspections
- 1 Open Channel Maintenance
- 4 Storage Basin Routine Maintenance Services

Streets:

- 5 Road Edge Services
 - ◆ Fence Maintenance
 - ◆ Weed Abatement
 - 11.5 Tons of Greenwaste
- 5 Parking Lot Services
 - ◆ 1 Base Repair
 - 7,298 Square Feet
 - 150.59 Tons of Asphalt
 - ◆ 2 Maintenance Services
 - ◆ 2 Slurry Seal Projects
 - 1,227 Square Feet
- 14 Sidewalk Path Services
 - ◆ 6 Grinding Services
 - 109 Linear Feet
 - ◆ 19 Square Feet of Spot Repairs
 - ◆ Trash & Debris Clean-Up
 - ◆ Routine Surveying
- 63 Road Services
 - ◆ 2 Accident Clean Up services
 - ◆ 11 Base Failure Repairs
 - 23,519 Square Feet
 - 843.58 Tons of Asphalt
 - ◆ Bike Lane Sweeping
 - 20.5 Miles
 - ◆ 4,661 Linear Feet of Crack Sealing
 - ◆ 156 Pot Holes Patched
 - ◆ 7 Skin Patch Services
 - 3,176 Square Feet
 - ◆ 8 Traffic Control Services
 - ◆ 4 Sink Hole Responses
 - 82 Square Feet
 - ◆ 1 Slurry Seal Service
 - ◆ 1 Spill Response
 - ◆ 1 Emergency Response
 - ◆ Trench Repair
 - ◆ Road Grading
 - ◆ Miscellaneous Trash & Debris Clean-Up
- 2 Sound Wall Services
 - ◆ Graffiti Removal

Urban Forestry:

- 19 Hazardous Situation Responses
- 382 Tree's Injected with Merit
- 6 Tree Plantings

- 5 Tree Pruning Work Orders
- 8 Inspections
- 4 Tree Care Services
- 1 Root Pruning Service
- 5 Abatements
- 7 Hazard Responses
- 7 Stump Grinding Services
- 3 Tree Rebates
- 4 Tree Removals
- 7 Right-of-Way Clearance Work Orders

Water:

- Produced 603,064,406 gallons of drinking water in June
- Produced 627,397,548 gallons of drinking water in July
- Received/marked 894 Underground Service Alerts (USA's)
- 21 Control Valve Services (exercise, locate, repair, replace, water turn off/on)
- 3 Backflow Investigations
- Enclosed Storage Services (Water Tower)
 - ◆ Maintenance
 - ◆ Pressurized Readings
- 22 Hydrant Services
 - ◆ 2 Maintenance Services
 - ◆ 1 Hydrant Flushing Service
 - ◆ 1 Hydrant Painting Service
 - ◆ 16 Repairs
 - ◆ 2 Replacements
- 10 Lateral Line Services
 - ◆ 5 Replacements
 - ◆ 1 Repair
 - ◆ 4 Installations
- 212 Lateral Valve Services
 - ◆ 2 New Taps Installed
 - ◆ 1 New Service Valve Box Installed
 - ◆ 65 Leak Detection Services
 - ◆ 39 Locate Services
 - ◆ 250 Shut Offs – Delinquent Water Bills
 - 237 Residential Accounts
 - 13 Commercial Accounts
 - ◆ 9 Valve Repairs
 - ◆ 30 Valves Replaced
 - ◆ 50 Water On/Off Services (Finance, Contractor, Homeowner Request)
 - ◆ 2 Water Quality Service Responses
 - ◆ 1 Water Service Relocation
 - ◆ 2 Lateral Valve Abandonments
- 93 Meter Services
 - ◆ 70 Meter Investigations
 - ◆ 2 Maintenance Services
 - ◆ 6 Meter Repairs
 - ◆ 3 Meter Replacements

- ◆ 3 Meter Box Replacements
- ◆ Residential Meter Reads
- ◆ Meter Reads – Commercial Utility Accounts
- ◆ Inventory Count
- 6 Pressurized Main Services Repaired
- 1 Pressurized Main Service Abandoned
- 76 Production Well Services
 - ◆ 38 Inspections
 - ◆ 20 Maintenance Services
 - ◆ Well Monitoring Services
 - ◆ Sampling
 - ◆ No3 Monitoring
 - ◆ Disinfection Procedures
 - ◆ Vandalism Responses

Environmental Services

June

General outreach:

- Conducted public outreach at annual Hot Rod Reunion focused on oil recycling and storm water protection, with information on water conservation and recycling; set up recycling collection and donated the recyclables to Wave TV (Cable Station 21).
- Developed Environmental Services web page with phone numbers for reporting problems in several issue areas.

Solid waste/recycling:

- Monitored C&D debris recycling for 110 active projects, processed 18 new projects, and closed out 12.
- Coordinated with county staff and city attorney on proposed County-City waste stream agreement.
- At Hot Rod Reunion, informed attendees about re-refined oil, oil recycling drop-off centers, household hazardous waste days, and the Waste Management (WM) curbside oil pickup service. Distributed 40 oil filter containers, 100 funnels, and 6 WM oil jugs and filter bags; obtained 24 sign-ups for WM curbside oil pickups.
- Coordinated with Parks supervisors and American Chemistry Council (ACC) to obtain ACC donation of recycle containers for City parks.

Green waste:

- Issued 208 green waste violation notices. June green waste statistics show 83% (772 tons) collected in carts and 17% (163 tons) in street piles.
- Publicized and held public workshop with 25 attendees on the upcoming City Council green waste decision.
- Processed rebates for 8 compost bins and 5 mulching mowers.

Water conservation:

- Processed 28 toilet rebates and 30 high-efficiency washer rebates.
- Investigated and conducted outreach related to 9 residential water-waste calls, and distributed 26 water-saving devices to residents.
- Prepared e-newsletter and newspaper items on Smart Irrigation Month.

- Coordinated with the Yolo County Master Gardeners and other parties on concept for a demonstration water-wise garden.

Storm water:

- Conducted annual storm water compliance training for approximately 80 City Public Works, CDD, and Parks staff members and County Public Works staff members.
- Coordinated storm water compliance inspections of 20 construction sites.

Energy:

- Oversaw completion of Energy Efficiency and Conservation Strategy for ARRA Energy Efficiency and Conservation Block Grant application.
- Prepared and presented results of greenhouse gas emission inventory to City Council.

July

Solid waste/recycling:

- Monitored C&D debris recycling for 116 active projects, processed 1 new project, and closed out 8.
- Finalized draft County-City waste stream agreement for presentation to City Council.
- Coordinated with Parks supervisors and American Chemistry Council on donation of recycle containers for City parks and associated publicity.
- Submitted Used Oil Block Grant application to Integrated Waste Management Board.
- Issued 3 code compliance warnings for illegal dumping.

Green waste:

- Issued 200 green waste violation notices, 2 code compliance warnings, and 1 administrative citation. July green waste statistics show 84% (705 tons) collected in carts and 16% (138 tons) in street piles.
- Processed rebate for 1 mulching mower.

Water conservation:

- Processed 22 toilet rebates.
- Investigated and conducted outreach or issued violation notices related to 14 residential water-waste calls.
- Gave presentation on City water conservation issues to Chamber of Commerce Water Committee.
- Coordinated with the Yolo County Master Gardeners, UC Davis Arboretum, and other parties on water-wise garden planning.

Storm water:

- Updated information on storm water web page in response to regulatory agency requests.
- Coordinated storm water compliance inspections of 20 construction sites.
- Issued 2 code compliance warnings for illegal storm water system discharges.

Water Pollution Control Facility

June

Laboratory

- Collected samples and performed over 500 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.
- Continued to review and update laboratory Standard Operating Procedures.
- Method development on ammonia and nitrate testing.
- Continued testing for DMRQA study #29 (EPA quality control study).
- Received samples and performed testing for WS study #155 (CA ELAP quality control study).
- Monthly Staff Meeting/Safety Tailgate
- Attended CWEA Training Session

Pretreatment

- No inspections needed, Food Service Business and Automotive Related Business inspections are fully up to date.
- Inspected agricultural discharge sites. Nothing to report.
- Processed & delivered Pretreatment permit for Target warehouse.
- Performed 2 SWPPP inspections
- Performed 13 Business License reviews/inspections
- Responded to 2 call-outs
- Public education outreach:
 - ◆ Brown's Corner
 - ◆ Cross Roads Village Apartments
 - ◆ Carl's Jr.
- City Works data entry & review
- Studied for CWEA Certification Exams

July 2009

Laboratory

- Collected samples and performed over 500 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.
- Worked with Sewer and Storm Utilities group on the Storm Water Baseline Monitoring project. Coordinated shipping samples to commercial laboratory and performed over 40 tests in-house.

- Prepared monthly Discharge Monitoring Report; submitted to the Regional Water Quality Control Board (RWQCB).
- Began a Toxicity Reduction Evaluation based on results from June chronic toxicity testing results.
- Collected samples and performed 150 regulatory compliance tests for potable water.
- Continued method development on ammonia and nitrate testing.
- Continued testing for DMRQA study #29 (EPA quality control study).
- Monthly Staff Meeting/Safety Tailgate
- Attended CWEA Training Session

Pretreatment

- Performed 16 Food Service Business inspection
- Performed 6 Automotive Related Business inspections.
- Delivered 2 Pretreatment Permit applications.
- Processed & delivered 2 Pretreatment Permits.
- Performed 4 SWPPP inspection
- Performed 10 Business License reviews/inspections
- Responded to 1 call-out
- 32 Public education & outreach visits
- Studied for CWEA Certification Exams
- Reviewed self-monitoring report data from PGP and Woodland Biomass. No permit violations reported.
- Performed semi-annual sampling at Woodland Biomass.
- Began training new Environmental Compliance Inspector.
- Kickoff meeting with Kimley-Horn for Local Limits update.

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). This will need to be changed to reflect current requirements for 1,575 cfs. On 12/2/08 a presentation was made to Council in relation to the City development fee cost.

What's Next: Complete modeling studies and submit to FEMA. Wood Rodgers is presently preparing a Letter of Map Revision (LOMR) for the City and County lands south of Cache Creek. This LOMR will be 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 need to be included to represent the present floodplain. In order to document this change the engineers are being requested to submit stamped affidavits saying that the grading was done within +/- 0.2 feet of the grading plans. These statements will be included in the documentation submitted to FEMA for their review.

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

Project: Flood Protection (MC)

Status: Flood Advisory Committee will be updated on findings and District will initiate appropriate public outreach on findings/next steps. Staff is working with FloodSafe Yolo and has selected LucyCO Communications for implementation of the public outreach plan.

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. FEMA had a public meeting on the DFIRM on 2/25/09 for asking for public review and comment. FloodSafe Yolo will be submitting the digital maps that the City of Woodland has developed with documentation for a LOMR of the City and County lands south of Cache Creek. FloodSafe Yolo and the City have been meeting with DWR and the Corps to develop the participation plan for re starting the Cache Creek Feasibility Study in October of 2009. The Feasibility Study is scheduled to start in October, 2009. FloodSafe Yolo is working with DWR and the Corps on the funding agreement for the Feasibility Study. This work is underway.

Project: Storm Drainage Enterprise Operation (MC)

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

What's Next: Vegetation maintenance will continue through winter and into spring. The vegetation maintenance project has been completed and the landscaped beds around Fire Station # 3 will be cleaned out by probation crews next month. As a cost saving measure the Fire crews have taken over the lawn areas but the beds and trees have not been managed.

Project: Surface Water Program (DD)

Status: **On July 28th, the City Councils of both Woodland and Davis met at the Davis Council Chambers for the first joint council meeting between the neighboring cities. The joint action before the Councils was the approval in concept for the establishment of a Joint Powers Authority for the design, construction, ownership and operation of joint use facilities for producing secure and reliable high-quality drinking water for the cities and the University of Davis. The joint use facilities include: a portion of a combined river intake structure (which itself is planned to be jointly owned and operated between the JPA and RD 2035, raw water delivery pipelines, the**

water treatment plant, and the treated water distribution lines to bring the water to each city limits.

What's Next: The next step will be to bring forward to each respective Council on September 15, 2009, a fully coordinated JPA for approval and establishment of the new authority. That action is anticipated to also include a listing of proposed actions, schedules and recommendations for staffing and start up of the authority.

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; and authorize a contract contingency in the amount of \$600,000 for potential change orders.

What's Next: Work has begun and work should be completed by October 2009. Residential meter rates need to be enacted this year so billings can start 1/1/2010. Meter installation is underway. Funding is being sought to be able to proceed with metering more of the City.

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.

What's Next: Construction work on the tank will begin in 6/09. Neighbors will be 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. This notice was sent out June 17th. A website will be setup when we have the contractor's construction schedule up to keep them informed of the construction schedule. Pipeline work to connect the new tank to the water distribution grid is currently being designed. **Work has begun and 4 test piles were driven to verify the foundation design. Based on this data the piles will be cast and delivered to the site around the first week in September.**

Project: Well 25 (DB/AO)

Status: Preliminary site layout design has been completed. Monitoring wells has been drilled to evaluate water quality at six different depths due to concerns over nitrate concentrations. Groundwater sampling is done, staff awaiting sampling results.

What's Next: More sampling is being done. Due to water quality concerns it is likely that the pumping capacity that was expected from this well will now be achieved when the ground level water tank and its accompanying

booster pumps are built in the 2011 time period. Predesign work is underway for this action.

Project: Supervisory Control and Data Acquisition (SCADA) (DB/AO)
Status: SCADA for water facilities is being designed. Draft of pre-design report has been received and is being reviewed. Staff had a meeting with the staff of the City of Windsor, to discuss the clearance of the Federal Communications Commission License. Staff agreed to mitigate future City SCADA interference on the City of Windsor SCADA system. A letter from the City of Windsor has been obtained so the design process can begin.
What's Next: Complete design work; goal is to be out for bids in July 2009 and operational by summer 2010. **80% of the plans and specifications have been received and are being reviewed.**

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. Bids have been awarded for the above ground work.
What's Next: Well drilling has begun. A website will be set when we have the contractor's construction schedule up to keep residents informed of the construction schedule. **Well 22 has been abandoned and redrilled screen design is in process. Well 15 has been abandoned and drilling is about to commence.** Work will be completed in fall 2009.

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.
What's Next: Staff has award an engineering contract for the modification of Well 4 site to accommodate a permanent generator. DMV and Air Quality Control District clearance is being 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. **Project was combined with Well 4 electrical modifications and 80% plans are complete.**

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.

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. Staff needs to identify funding source for the Integrated Regional Ground Water Management Plan. Work on the preparation of the report is underway. This work is underway.

Project: Water Focus Study (DB)
Status: Hydraulic modeling is occurring. The sections of the report dealing with the coordination of the use of wells and surface water supplies are being written. Draft of study should be available by summer 2009. About **95%** complete
What's Next: Consultant to develop Capital Improvement Program (CIP) list to be 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.