



July 10, 2008

TO: Doug Baker, City Administrator

FOR: City Council

FROM: Public Works Department

RE: **PUBLIC WORKS DEPARTMENT REPORT – 2nd QUARTER, 2008
APRIL, MAY & JUNE**

I. MAJOR PROJECTS

Transportation

- A. Tumwater Boulevard Improvements – Capitol Boulevard to I-5 (2000008) / Status: Complete
- Staff is working to insure that warranty issues such as plant replacement are taken care of before requesting acceptance of the work.
- B. Littlerock Road – Trosper to South City Limits (2000007) / Status: Active
- Public Works Committee authorized staff to solicit bids for Phase 1. TIB has authorized construction funding.
 - PSE/Potelco is nearly finished revising their project package for the phasing of the Schedule 74 conversion of the overhead power.
 - Work on the project is expected to begin around late August. Contract specifications require that two-way traffic on a paved surface must be maintained with limited exceptions. Phase 1 will take at least one year to complete.
- C. Trosper Road Widening @ Skipper Lane (2002003) / Status: Active
- Construction of the Trosper Road widening project is currently planned to be done with Phase 2 of Littlerock Road.
- D. North Street Reconstruction (2005011) / Status: Active
- The contractor, Alpha Development, is making good progress. Sewer work is finished and the water main is well on its way.
 - Existing curb and sidewalk will have to be removed soon to make way for the overhead conversion to underground work. The contractor has a portable rock crusher on site and is crushing all of the concrete and pavement for reuse and recycling.

- E. Tumwater Town Center Connector (2005021) / Status: Inactive
- F. Tumwater Boulevard/I-5 Interchange (2004015) / Status: Active
 - The list of alternatives has been narrowed from 13 down to 3.
 - A workshop to select the preferred alternative is scheduled for July.
- G. Deschutes Way Bike/Pedestrian Improvements (2006010) / Status: Active
 - Construction approval through WSDOT Highways and Local Programs is imminent. Public Works Committee has authorized staff to solicit bids.
 - Work is expected to begin by September and should take a little more than two months to complete.
- H. Henderson Boulevard Railroad Crossing (2003021) / Status: Active
 - Union Pacific Railroad has not yet committed to a date for construction of the grade crossing.

General Government

- I. Tumwater Valley Trail, Phase I / Status: Active
- J. Pioneer Park Phase III / Status: Active
 - Public Works staff continues to assist the Parks & Recreation Department in procuring environmental approvals, and in preparation of plans and specifications.

Water

- K. Telemetry System Upgrade (07393) / Status: Active
 - Staff will seek authority to solicit proposals in 2009.
 - Staff has been, and continues to pursue installation of conduit for fiber optic cable to each of our telemetry sites for improved communications.
- L. Southwest Well Development (2003012) / Status: Active
 - Staff is pursuing water rights. Modeling suggests that mitigation will be necessary for any transfer.
 - Negotiations are underway to secure withdrawal locations and water rights in support of operations in the southwest.
- M. Northeast Area Water Rights (2007013) / Status: Active
 - Determination of mitigation needs is underway.
 - Staff has begun negotiations with stakeholders in support of securing water right approvals from DOE.
- N. Custer Way Water Improvements (2004016) / Status: On Hold

- It has been decided to postpone the water main replacement portion of the Custer Way project until a better plan can be established for the portion of Custer Way that still has a concrete slab under the existing pavement.
- O. Palermo Wellfield Improvements (2006014) / Status: Active
- Phase 2 field analysis work is underway.
 - Staff will seek authority to solicit proposals to drill test wells at identified locations.
- P. Water System Disinfection (2006024) / Status: Active
- The final planning report was sent to Washington State Department of Health (DOH) in February; DOH approval has been received.
 - Phase 2 – design of disinfection facilities – is underway.
- Q. Wellhead Protection Program - 2008 (2008003) / Status: Active
- Staff and Thurston County Environmental Health have completed wellhead protection area inspections; follow-up visits will be completed accordingly.
 - Staff is participating in the review and development of Thurston County's hazardous waste plan update.
 - New pumps have been installed in three monitoring wells. The remaining four wells will be replaced in 2009.
- R. Water Conservation Program - 2008 (2008004) / Status: Active
- Free indoor water saving kits, automatic shut-off spray nozzles, rain gauges, outdoor watering guides, and hose timers, and \$10 rebates for purchase of a rain barrel are available to all water customers. Free shower timers will be made available in the 3rd quarter this year.
 - Outdoor irrigation audits for 2008 are commencing for the season. Three residential irrigation workshops have been completed regionally, and one property manager workshop is being planned in August.
 - Water conservation materials distributed to water customers at public events.
 - Partnered with Olympia, Lacey, and Thurston County to promote Northwest Natural Yard Days.
 - Wrote water conservation article which was published in *The Olympian* on May 26th. Worked with John Dodge to publicize water conservation issues.
 - Water Use Efficiency Rule: The city set a quantifiable conservation goal in February 2008. This goal represents the proportion of savings earned through the regional program. To date, the city has saved approximately 5,000 gallons per day.
 - Staff recently submitted the Annual Water Use Efficiency Report to DOH. It is also available on the city's website.

- S. Southern Connection – Local Piping (Custer Way Sewer (2005018) / Status: Active
- The contractor, Nordic Construction, will return to work on July 7th to begin work on the three sewer pump stations.
 - There is approximately six weeks' of work left to complete.
- T. 2006 Annual Sewer Rehabilitation Program (2005029) / Status: Complete
- Project was closed unilaterally by staff and accepted as complete by the City Council.
- U. Littlerock Road Interceptor (2006002) / Status: Complete
- The interceptor is complete and staff will be closing out the project in the coming quarter.
- V. LOTT-Funded Water Conservation Programs / Status: Active
- The “Wash Wise” washing machine replacement program continues in 2008 complemented by rebates from Puget Sound Energy.
 - The Water Smart Technology program continues. Local businesses are offered rebates of 75% for retrofitting existing facilities to be more resource efficient; two applications from commercial projects are being processed.
 - Staff is working with the Tumwater School District to completely retrofit facilities for 100% water efficient fixtures.
 - Options to encourage placement of resource-efficient fixtures in new development are being investigated, and staff is reviewing ultra-low flush fixtures for potential distribution to residential customers.
 - A high-efficiency toilet replacement pilot program for commercial customers is underway. This direct install pilot program will replace 3.5 gpf toilets and higher with 1.28 gpf or less toilets.

Storm

- W. East Capitol Boulevard Area Outfall Improvements (2007009) / Status: Active
- The contractor, KBH Construction Company, has restored the flood damaged work to the satisfaction of golf course staff.
 - Golf course personnel are assisting with restoration as excavated soils continue to dry.
- X. Salmon Creek Basin / Status: Active
- Pacific Groundwater Group (PGG) is the city's consultant for third party review of high groundwater related projects.
 - Ordinance revisions are being reviewed with PGG to address data collection and third-party review.
- Y. Barnes Lake Management District (LMD) (2008005) / Status: Active

- Vegetation treatments for 2008 have begun.
- The Barnes LMD steering committee continues to meet monthly.
- The annual survey has been completed suggesting a growth in “open water space” of approximately four acres.

- Z. Barnes Lake Basin Assessment (2007014) / Status: Active
- The hydrogeological evaluation of the Barnes Lake system by Golder Associates is underway; staff awaits the final report after the second round of water level collection in September.
 - Bathymetric assessments and water quality analysis have been completed.
- AA. Drainage Manual Revisions / Status: Active
- The drainage manual is in the final stage of review.

II. SIGNIFICANT ACTIVITIES

- A. Consumer Confidence Report, 2007
- The annual report has been completed and distributed. A copy is available on the city’s website.
- B. Water Quality
- Perchlorate Study.
 - Results of the Phase II study to assess the effects of perchlorate on shallow groundwater at Tumwater Valley have been received. The monitoring schedule has been reduced to quarterly.
 - Lead & Copper Monitoring Program:
 - The city remains in compliance; however increasing levels indicate disinfection may be increasing corrosivity of the water. Staff will continue monitoring the issue.
 - The next monitoring round is scheduled for 2010.
- C. FOG (Fats / Oils / Grease)
- Staff continues to work with businesses to reduce FOG-related materials in the waste stream.
- D. Stream Team
- Partnered with Lacey, Olympia, and Thurston County to provide regional programs including:
 - Quarterly newsletter written, edited and distributed.
 - Attended “Storming the South Sound” education event.
 - Coordinated with Thurston County and WSU Native Plant Salvage project to plan native plant holding beds.
 - Rain Garden workshop held in Tumwater on April 3rd.
 - Planned “Bike Your Watershed: The Deschutes” event for July 27th at Tumwater Historical Park.
 - Deschutes River Habitat Enhancement:

- Worked with volunteers to plan maintenance for Site 130.
 - Percival Creek Habitat Enhancement:
 - Worked with Site Steward Steve Parks to coordinate community service volunteer work at site downstream of Sapp Road.
 - Phase 3 Himalayan blackberry removal project started. Landscape fabric, staples and wood chips installed. Canary grass removal project continued.
 - \$6,000 donation for the Percival Creek Habitat Project received from Holbrook, Inc. as part of a settlement agreement with DOE.
 - Partnered with Parks & Recreation to bring Old Town Center youth out to Percival Creek for educational work parties.
 - Earth Day event held April 26th.
 - Summer "Week and Feed" program planned.
 - Tumwater Falls Harvest Fest/Historical Event: Staffed Stream Team educational booth at event on May 18th.
 - Storm Drain Marker Program: Markers and adhesive provided to volunteers to mark Littlerock/70th Avenue annexation area drains.
 - South Sound GREEN (Technical Advisory Committee Chair):
 - Coordinated quarterly meeting and funding.
 - Friends of the Deschutes Watershed Center (FDWC) (President):
 - Acted as liaison for Watershed Center to city staff.
 - Natural Resources Youth Camp Board (Vice-Chair)
 - Led Challenge Course and Aquatics Team at 2008 camp during the last week of June.
 - Recruited campers and staff for camp.
 - Northwest Aquatic & Marine Educators (NAME) (Regional President): Planning for July conference in Friday Harbor.
 - Interjurisdictional Committees:
 - Served on EETAC (Environmental Education Technical Advisory Committee) to coordinate education efforts within the county.
 - Provided technical support to WRIA 13 advisory group (oversees local salmon recovery projects for SRFB funding requests).
 - Served on TME3 (Thurston-Mason Education, Environment & Economy) committee. Final draft of TME3 plan ready.
- E. Fish Rearing Facility
- Washington Fish & Wildlife (WDFW) continues with planning and design. \$2.3 million was allocated by the Washington Legislature for Phase 1 (design, permits, water rights).
- F. Stormwater Management
- The regional stormwater management team revised the interlocal cooperation agreement, extending the regional program to 2010.
 - The City of Tumwater is an NPDES Phase II permittee. Staff completed the first annual report and submitted it to Ecology in March.
 - Staff continues to manage grant funding received to expedite compliance of NPDES activities. The city received \$75,000 to be

used by July 2009.

- Development of educational materials required for compliance of NPDES is underway.
- Additional staff training for CESCL (Certified Erosion & Sediment Control Lead) is on-going. Other training opportunities will be made available as they arise.
- The regional West Nile Virus (WNV) outreach committee continues to monitor the area. The regional work group convened in March and meets monthly. To date in 2008 there have been no human or horse cases reported.
- Staff continues to develop and implement an on-going inspection program for private stormwater facilities.

G. Utility Shut-Off Notices

- 303 notices were delivered in April, with 44 actual disconnects.
- 297 notices were delivered in May, with 30 actual disconnects.
- 318 notices were delivered in June, with 25 actual disconnects.

H. New Utility Service Installations

- Operations staff installed 32 water meters for new construction and 45 other requests for new water services in the 2nd quarter.
- There were 57 new requests for sewer connections from Development Services in the 2nd quarter.

I. Other Maintenance Activities

- 353 "One Call" utility locates were requested in the 2nd quarter of 2008.
- 40 citizen action requests were completed in April, 48 in May, and 60 in June.

J. Survey, Mapping & GIS

- Update of city street map is in progress.
- Collection of as-built data for input into ESRI GIS/GBA is on-going.
- Collection of data for street signs, traffic signal poles and street lights in progress.

K. Education / Training / Workshops

- Water Resources Program Manager Dan Smith attended a one-day workshop by the Partnership for Water Conservation entitled *Tools & Techniques for Meeting Your Water Use Efficiency Goals* in Lacey on June 26th.
- All Public Works staff attended the customer service training sessions in May.

*L. Personnel

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- Eldon Newell joined the Operations Division as a Maintenance Worker on June 9th; Chuck Deuel joined the Operations Division as a Maintenance Worker on June 11th.

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