

Annual Report

08





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Columbus Department of Public Utilities

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GETGREENCOLUMBUS.ORG

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Mission Statement:

To enhance the quality of life, now and into the future, for people living, working and raising families in central Ohio through the economic, efficient and environmentally responsible stewardship of superior public utilities.



Protecting Our Environment



The Department of Public Utilities (DPU) continues to be a leader in the city's Get Green Columbus initiative. Since its inception in 2005, Get Green Columbus has been a focal point and launch pad for green activity throughout our community and DPU is active in the effort in various capacities.

Neighborhood Outreach

The department provided educational materials and resources to residents at six Neighborhood Pride events. A popular attraction was DPU's model green home, demonstrating over 40 energy and money saving tips to be implemented in homes and yards. Conservation items were provided including reusable water bottles, rain gauges, water saving kits, compact fluorescent bulbs and "I Save Water" kits given as door prizes.

Public Utilities is home to Columbus' GreenSpot Program. Mayor Michael B. Coleman unveiled the first GreenSpot on July 29, 2008. A total of 935 businesses, residents and community groups were recognized as GreenSpots in the program's first five months. Members of the business community, families and local organizations used the Web-based program as a framework, providing direction on ways to conserve resources and money.

Partnerships

DPU has a strong partnership with other governmental agencies, environmental and neighborhood groups to help promote a sustainable community. Partnership activities in 2008 included:

- A department-funded grant allowed Franklin Soil and Water Conservation District staff members to provide targeted programming to 6,416 stu-

dents. Children in grades K–12 received information on water protection and conservation with emphasis on reaching third, fourth and seventh grades to help meet Ohio Academic Content Standards.

- The Mid Ohio Regional Planning Commission (MORPC) and DPU aired a "We All Live Downstream" Public Service Announcement (PSA) educating viewers on what each of us can do to prevent water pollution through daily activities. The announcement ran through the spring and summer months.
- In conjunction with Mayor Coleman's Green Team, DPU created five newspaper advertisements featuring topics of: water conservation, smart driving, energy conservation, waste reduction and proper disposal of household hazardous waste. ThisWeek Newspapers provided the ad space as a community service.
- The Ohio Environmental Protection Agency organized the first annual Central Ohio Children's Water Festival on the statehouse lawn. Interactive demonstration on stormwater protection, water treatment and distribution provided by DPU staff was a hit with the 150 fourth and fifth graders who attended.
- Friends of the Lower Olentangy Watershed provided education on the use of rain barrels as a means of collecting rainwater for future use. The department funded the program and provided rain barrels to 113 residents at a reduced cost.
- The department continues to be an active participant of the MORPC's Greenways Steering Committee.





Protecting Our

Initiatives

Department staff provided expertise to the Central Ohio Rain Garden Initiative's (CORGI) steering committee. Franklin Soil and Water Conservation District heads the initiative that provides planning and technical assistance for rain gardens, a stormwater best management practice. A technical work shop was held by CORGI in October at the Ohio Department of Transportation.

Area watershed groups, community groups and MORPC conducted six river cleanups during the month of May as part of DPU's 7th annual Central Ohio River Pride. The department's Storm Drain Marking Program saw just over 1,000 markers placed on storm drains, reminding pedestrians that storm drains lead to rivers.

The Industrial Wastewater Pretreatment Group monitors discharges from permitted industries into the sanitary sewer system to ensure compliance with clean water goals. During 2008, staff performed 160 inspections and investigated 11 grease incidents, met with food service establishment management when necessary as part of the Fats, Oils and Grease (FOG) Best Management Program, and distributed 1,597 door hangers in neighborhoods. Staff also recovered \$27,884 in reimbursement fees for cleaning grease blockages.

The Surveillance Laboratory assists the wastewater treatment plants with monitoring effluents discharged by the plants. A total of 4,353 compliance parameters (allowable limits of monitored substances) were analyzed from 1,102 samples. The lab also assists the Industrial Wastewater Pretreatment Program by testing samples of the city's industrial customers. A total of 20,300 compliance parameters were analyzed from 5,400 samples for the pretreatment program. The second year of a program that analyzes samples taken during high-flow periods generated by heavy rainfall resulted in 908 parameters analyzed from 225 samples.

The Stormwater and Regulatory Management personnel performed 3,722 inspections of active construction sites for erosion and sediment control.

Compliance with clean water regulations for effluent discharge at the city's two 24-hour wastewater treatment plants continued at a high level, with Jackson Pike reporting just one violation – its first since 2002 – and Southerly continuing its spotless record with zero violations since 2003.

Notices of Violation issued:

Section	Notices of Violation	Fines
Industrial Wastewater Pretreatment/Trucked	25 (Program)	
Fats, Oils and Grease	17 (Technical)	
Stormwater and Regulatory Management	26	\$16,000
	45	\$4,500
Total	113	\$20,500



Environment

The Division of Sewerage and Drainage provides sanitary sewer service to failing septic tank areas as directed by the city's health department, Columbus Public Health.

The Communications Office continued to lead the highly successful We All Live Downstream (WALD) education program, emphasizing the importance of maintaining clean waterways for the health and safety of everyone. WALD highlights in 2008 included:

- 1,037 storm drain markers requested by environmental and neighborhood groups
- Participation in seven central Ohio waterway clean-up events
- Involvement with seasonal events such as the Sports Vacation and Travel Show, the Columbus Dispatch Home and Garden Show, and Earth Day at the Columbus Zoo along with numerous rain barrel and rain garden workshops
- Distribution of more than 645,000 print guides and bill inserts

The Division of Power and Water's Watershed Management staff works to protect and maintain the Hoover, Griggs and O'Shaughnessy reservoirs, which together store much of Columbus' drinking water supply. The Watershed office continued to oversee source protection initiatives such as the Land Stewardship Program, which educates the 1,200 homeowners living adjacent to city-owned reservoir property about the need to protect water quality by reducing erosion, protecting shorelines and encouraging native landscaping.

Department involvement also continued in the Conservation Reserve Enhancement Program (CREP), which is designed to help farmers conserve riparian corridors and protect water quality. This voluntary program helps reduce agricultural pollution, soil erosion and the risk of downstream flooding in the Upper Big Walnut Creek and Scioto watersheds. The division lends support to the program by analyzing and sharing water quality data, procuring conservation easements and adding enrollment incentives for riparian buffer strips. Together with various other government and environmental agency partners, the Watershed Management staff is committed to proactively protecting the watershed land supplying the water treatment plants.



The initiative to reduce elemental mercury in the community continued with the partnership between Public Utilities and Columbus Public Health. This joint effort encourages the removal of elemental mercury from homes and schools, in addition to assisting local medical facilities advance toward mercury-free operations. Since 2002, the partnership has promoted mercury reduction through collection of mercury thermometers at several fire stations. The safety awareness efforts of the partnership have resulted in collection of over 40 pounds of bulk mercury from local residents. The removal of mercury-containing items from homes eliminates a potential health hazard, and the risk of an expensive clean-up or improper disposal. Recent bans on the sale of mercury thermometers and thermostats – in addition to the ban on mercury in Ohio schools – have maintained the demand for mercury collection outlets. Total mercury collected by the partnership in 2008 included: 370 thermometers, 47 thermostats, 77 blood pressure cuffs, and over nine pounds of bulk mercury in small containers.



Investing in

Division of Sewerage and Drainage

Sewer System Engineering Section

2008 was another busy year for the Sewer Systems Engineering Section. Implementation of Wet Weather Management Plan projects remained on course, a major interceptor sewer was extended, downtown infrastructure was addressed in support of the upcoming 2012 Bicentennial and we continued to partner with the Department of Public Service to construct improvements.

2012 Bicentennial – Downtown Infrastructure

Section staff moved various projects forward that will help encourage downtown redevelopment. These include construction of the Town Street Sewer Improvements and River South Phase I. Engineering also advanced on River South Phase II and the Franklin Main Interceptor Rehabilitation.

Big Walnut Sanitary Trunk Sewer Extension

This \$25 million improvement involved tunneling a 72" sanitary sewer to serve northeast portions of Franklin County. Future projects will extend the Big Walnut Sewer further to the north and east as this sewer will ultimately serve parts of southern Delaware County and western Licking County.

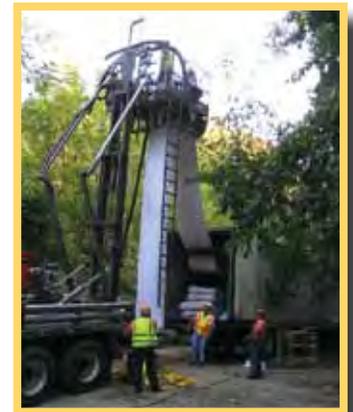


Joint Projects with Department of Public Service

A notable team effort was the High Street/Neighborhood Commercial Revitalization 2 project; DPU's portion of the work included construction of a \$3.5 million storm sewer in High Street from Arcadia to Lane. Construction of this sewer allowed the redirect of inflows from the roadway out of the combined sewer system and into this dedicated storm sewer.

Sewer Rehabilitation

Various cured-in-place lining projects continued across the city. This tried-and-true construction technology benefits our customers by prolonging the service life of infrastructure at lower costs and with less disruption when compared to the traditional construction method of dig and replace.



Neighborhood Stormwater Improvements

The McDannald Estates Storm Sewer Improvements Project was a trademark storm job in this northeast Columbus neighborhood. This \$2.2 million project replaced an undersized storm sewer system and alleviated street and yard flooding.

Inflow and Infiltration (I/I) Studies

2008 ushered in yet another I/I project – the Northwest Alum Creek study. Along with the other projects that are already well under way, this study will develop cost-effective solutions to the wet weather problems in that area. These ongoing studies will recommend future projects that will be the focus of our capital program for the foreseeable future.

Our Communities

Treatment Engineering Section

The Treatment Engineering Section of DOSD is responsible for overseeing capital improvement projects at the Southerly and Jackson Pike Wastewater Treatment Plants as well as at the Compost Facility.

Progress on Wet Weather Management Plan

Final approval of the city's Wet Weather Management Plan was received in early 2008 and construction of related projects at both plants is in full swing; the section is currently overseeing \$320 million in construction projects at both facilities. Several treatment systems are already being utilized and overall the projects remain on schedule and within budget.

Treatment Plant Improvements

Construction of the new Skimming Concentrators at Jackson Pike and new Anaerobic Digesters at Southerly are nearly complete with startup of both anticipated in early 2009. The abandoned North Incinerators at Southerly have also been demolished to make way for the new Sludge Thickening Process.



Investing in

Division of Power and Water Water Section

Water Distribution

The Water Distribution Section designs, installs and maintains the infrastructure necessary to supply customers from the city's three water treatment plants.

Waggoner Road 30" Water Main

This project included construction of a 30" pre-stressed concrete water main from Havens Corner Road to Clark State Road. The new main will improve flow and pressure to the northeast area of the distribution system.

Case Road and Lehner Road Water Main Replacement

This project involved installing approximately 8,000 linear feet of 6" and 8" ductile iron water mains on Case and Lehner roads in Clinton Township; these lines replaced two 6" water mains that had generated many service calls and repairs.

Water Supply

The Water Supply Section oversees the treatment and storage of the department's drinking water supply, drawn from Hoover, O'Shaughnessy and Griggs reservoirs and the South Wellfield.

O'Shaughnessy Dam Outlet Works Renovation

Construction was completed on the \$1.3 million renovation of the 80-year-old outlet works structure, which included replacement of sluice gates, motor operators and bar screens, as well as installation of floating trash booms and improvements to instrumentation and controls.

Dublin Road Water Plant Raw Water Intake Improvements

Construction was completed on the rehabilitation of the existing 280-foot low-head dam in the Scioto River, and was essentially complete on improvements to the raw water intake which has been in continuous service since 1951.



Dublin Road Water Plant Disinfection Improvements

The new Sodium Hypochlorite Facility was put into service in 2008, which will utilize alternate disinfection chemicals and contribute to a more stable environment through safer handling.



Our Communities

Hap Cremean Water Plant Sludge Pump Station

Construction began on renovations to this half-century-old facility. The pumps, motors and valves require continuous maintenance; replacement of this equipment will significantly reduce unnecessary downtime and expenses while increasing efficiency. The plant electrical system will also be upgraded.

South Wellfield Expansion, Collector Well CW-120

Construction began on the first of four planned well sites. Following the recommendations of the Water Beyond 2000 study, this project is progressing toward developing additional supplies of high quality water to the Parsons Avenue Water Plant.

Dublin Road Water Plant Treatment Capacity Increase Pilot Plant

Construction began on this \$12 million project which includes one year of operation to evaluate the feasibility and changes required to increase current design capacity of the Dublin Road Water Plant from 65 million gallons per day (MGD) to 90 MGD, while maintaining water quality and compliance with existing and future regulatory requirements. The results of this study will be used to recommend the most suitable process for a full-scale plant upgrade and expansion.

Dublin Road Water Plant Clearwell Rehabilitation

This \$13 million project includes concrete rehabilitation and cleaning of finished water clearwells constructed in 1908, 1922, 1955, and 1975; rehabilitation of butterfly valves and sedimentation and softening basin concrete; installation of a plant-wide intercom fire alarm system; and the addition of a second floor stairwell.

Upground Reservoir

Design work and permitting progressed, and a Value Engineering study was completed on the raw water pump station and pipe-line and the first upground reservoir off the Scioto River north of the O'Shaughnessy Dam. The project will produce additional safe yield water supply as recommended in the Water Beyond 2000 study for the Dublin Road Water Plant. Total estimated cost, including future phases of the project, is \$263.7 million.

Other improvements completed in 2008 included exterior masonry rehabilitation and basin collector arms improvements at the Hap Cremean Water Plant, and wellhouse roof replacement at the Parsons Avenue Water Plant.

Other improvements under construction in 2008 included the Dublin Road Water Plant Low Service Pump Addition and Bellepoint Maintenance Facility Improvements.

Other improvements under design in 2008 included the Parsons Avenue Surface Water Treatment Upgrade; Hap Cremean Treatment Improvements, Sludge Removal and Embankment Improvements; and Parsons Avenue Sludge Disposal.



Investing in Our Communities

Division of Power and Water Power Section



The Power Section of DOPW maintains a network of substations and transmission lines, distributing electricity to about 14,000 business and residential customers. The O'Shaughnessy hydroelectric unit and the city's streetlight system are also maintained by this section.

Audubon Center Park

Construction work was completed on relocating an existing overhead 15,000 volt circuit underground. This circuit runs past the new Audubon Center Park on the Whittier Peninsula, and will provide electricity to the center and the surrounding park.

Harrisburg Pike 69 KV Line Relocation

Within a very brief window, relocation of this 69,000 volt transmission line along Harrisburg Pike (U.S. Route 62) from Frank Road to Eakin Road was completed in anticipation of a planned Ohio Department of Transportation road widening project.

River District East Improvements

A new underground conduit was installed within the boundaries of this project east of Neil Avenue, enabling the Power Section to remove all overhead lines as well as install decorative streetlights in the area of the new Huntington Park baseball stadium.

River South Phase I

The Power Section completed design and construction of several new underground conduits within this project to help reinforce and improve reliability in the downtown distribution network.

Streetlighting

313 new streetlights were added in 2008, bringing the streetlight total count to 50,959 citywide. Streetlight projects included replacement of lights east of The Ohio State University and new lighting projects for Case Road and Miami Avenue, as well as the Willow Springs and Walnut Bluff Subdivisions.



Development

Staff consulted with many customers and city departments to re-work and connect new load to the city's electrical distribution system. These projects included service design for a new city vehicle impound lot, a new heliport for the Department of Public Safety's Division of Police, redesign of the service at City Hall and new service for the renovated Lincoln Theatre.



Customer Service

The Customer Service Call Center successfully implemented the 2008 water rate structure and continued to register qualifying customers to the low-income discount program. Applications for the 15 percent discount were distributed at various locations including food pantries, libraries and health centers, through a customer bill mailing and were made available on the city's Web site.

The Department of Public Utilities' Web site underwent significant changes and improvements. Designed with customer usability in mind, the site is updated on a regular basis to highlight pages most commonly used by customers.

DPU again participated with the Department of Public Service in the annual Engineer-for-a-Day program in February. This national program is designed to allow students interested in engineering to accompany a practicing engineer and observe them at work. Twenty-three students from 10 local high schools participated and toured various



advising of potential sewer overflow discharge locations along waterways during heavy rain. This data is also available on the department's Web site.

Department staff provided numerous opportunities for residents to learn more about and provide input on capital improvement projects through public meetings and open houses. Additional input opportunities are available through Columbus City Council, the Sewer and Water Advisory Board and via the city's Web site.

Tours of the Jackson Pike and Southerly Wastewater Treatment Plants continued to be provided by request and appointment.

The Compost Facility donated material for various community garden projects in Columbus and participated in events including the Whetstone Rose Festival and the Chadwick Arboretum and Gardens Spring Plant Sale.



city facilities. As part of the event, a city engineer is named Engineer of the Year for outstanding service. The 2008 recipient was Lynn Kelly, P.E., longtime Water Treatment and Supply Coordinator with the Division of Power and Water.

Columbus residents continued to welcome the opportunity to participate in the Project Dry Basement sewer backup prevention program, which began in 2004. During the fourth full year of the program 109 backflow valves were installed, bringing the total to 557.

Public service notices continued in ThisWeek Community Newspapers and The Lantern during recreational season,

Customer Service

2008 Customer Service Highlights

Residential meters (meter installations and replacements, inspections, service renewal and service termination)	83,143
Account adjustments	39,443
Delinquent accounts (doors tagged, service terminated)	47,757
Meter reading (recheck readings, inspect reading problems)	7,644
Commercial meters (test meters, investigate billing concerns)	2,245
Total calls	495,654
Low Income Discount participants (water and sewer)	4,024
Senior Citizen Discount active participants:	
Water	1,226
Power	71
Total customers billed:	
Water	271,152
Sewer	267,760
Storm	194,847
Power	12,444



The Watershed Management Office participated in events including the Sports, Vacation and Travel Show. Watershed rangers monitor and secure the reservoir park lands and assist visitors on foot and by boat.

Maintaining Our Systems

Sewer Maintenance Operations Center

The maintenance of the 6,294* miles of storm, sanitary, and combined sewers is performed by the Sewer Maintenance Operations Center (SMOC), a 24-hour facility and the largest staffed section of the Division of Sewerage and Drainage. Maintenance responsibilities include: 10 sanitary and 15 storm pump stations monitored by Supervisory Control Data and Acquisition (SCADA) system, 18 regulators, 22 detention/ retention basins, 13 siphons, six sluice gates, two bio-filters, the Alum Creek Storm Tank, numerous catch basins, ditches, flapgates, inlets and manholes, as well as the maintenance of the Franklinton Floodwall gates and 14 gate wells.

Designated neighborhoods of Arlington Park, Clinton Estates, Deshler Park and Tussing Road benefited from SMOC's continued support of the city's Neighborhood Pride program. Attention to these areas included inspection of 1,583 catch basins, resulting in 300 catch basins cleaned and 28 catch basins repaired.

*based on calculations from GIS (Geographic Information System) data



Maintenance Activity

2008

2007

2006

Repairs (manholes, catch basins, etc.)	792	1,279	479
Catch basins inspected	28,140	16,724	14,129
Catch basins, inlets, manholes cleaned (city crews)	8,363	6,719	6,591
Catch basins, inlets, manholes cleaned (contracted)	2,575	1,424	2,711
Miles of sewers power cleaned	395	363	432
Miles of sewers closed circuit televised	118	119	113
Total work orders	12,784	8,302*	12,671

*Some sections unable to retrieve complete data due to change in accounting system

Maintaining Our

Water Distribution and Maintenance

Careful analysis within the Pitometer Waste Water Survey resulted in greater efficiency, including the survey of fewer miles of pipeline (422) in 2008 but the discovery of more breaks (61). Subsequent repair of those breaks reduced leakage by an estimated 2.98 million gallons each day.

The Main Line Repair Crews repaired a total of 746 main-line breaks and 512 service leaks, and repaired or replaced 1,425 damaged hydrants.

The Cross-Connection Control and Backflow Prevention Program increased water use surveys on existing properties to assure proper protection was in place. Software has streamlined many clerical and administrative duties for these activities. Backflow requirements for temporary water use and hydrant permit connections were reviewed for proper system protection and best business practices. A total of 10,592 inspections for new construction, existing structures, service line inspections, meter settings, backflow prevention installation inspections, test enforcement and water use surveys were completed by this activity. We now have 30,121 backflow prevention devices listed in our database, where we record the installation records and monitor the required maintenance schedule.

Twelve miles of waterline— five miles in Columbus and seven miles in suburban service areas—were added to the distribution system in 2008, bringing the total to 3,492 miles.



Water Distribution System Repairs

	2008	2007	2006
Taps Repaired	201	215	422
Renewed	266	330	269
Cut-Off at Main	45	41	43
Put-In-Shapes	432	441	323
Relocated/Transfers	0	0	4
New Taps Main Line	29	19	8
Leaks 2" & Under	155	180	171
Leaks 3" & Over	571	668	519
Fire Hydrants			
Repaired	1,371	1,607	1,266
Replaced	54	232	237
Checked	1,462	1,187	1,231
Painted	4,391	4,242	2,893
Valves			
Installed, Mainline	85	61	123
Installed, Watch	11	0	3
Repaired, Mainline	37	44	76
Repaired, Watch	18	0	43
Put-In-Shapes	7	441	81

Systems

Power Distribution System

The Power Section oversees a network of substations and transmission lines, distributing power to 13,594 customers. The O'Shaughnessy hydroelectric unit is also maintained by this section.

Safer neighborhoods through modern, efficient street and alley lighting remained a primary mission. In all, 313 new street lights were added in 2008, bringing the total street light count to 50,959 citywide. The Power Section also maintains 4,081 lights along interstate highways under contract with the Ohio Department of Transportation.

Maintenance Activity	2008	2007	2006
Wire/cable repaired (feet)	238,125	104,097	229,606
KVA of transformers	23,479	11,781	9,950
Luminaries	2,529	2,344	2,953
Lamps	10,191	10,076	11,376
Wooden poles	286	184	185
Standard poles	141	121	163
Total service requests	11,319	10,732	7,264

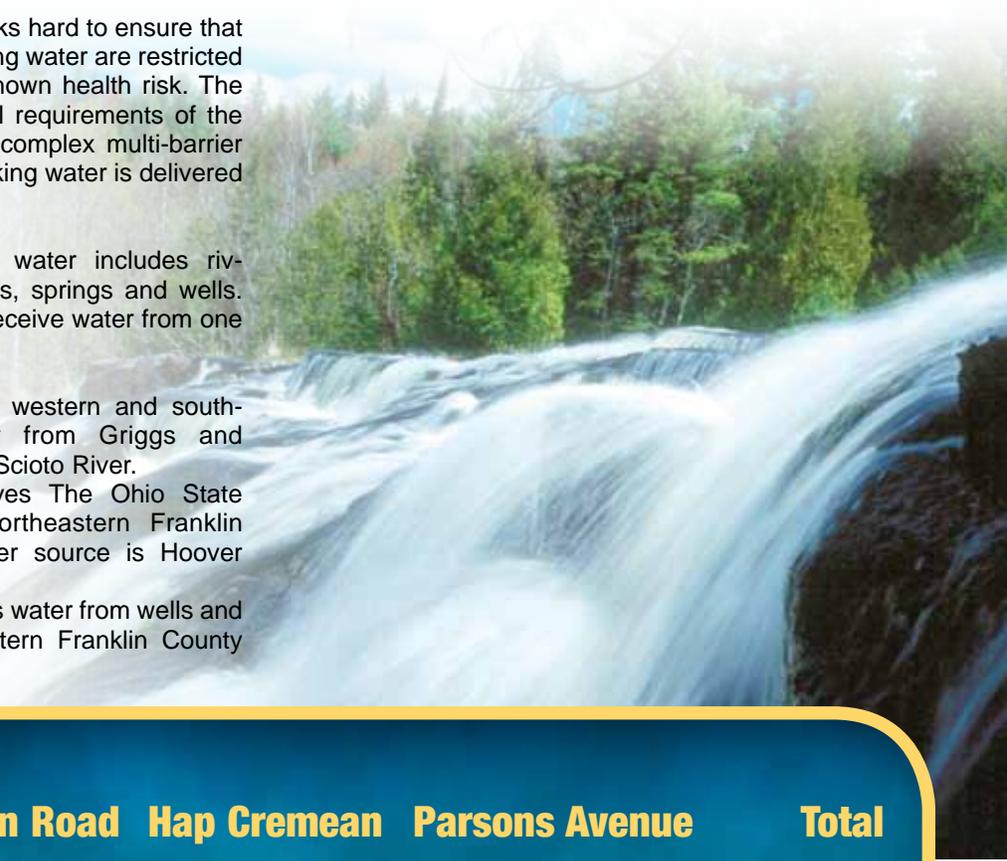


Water Treatment

Division of Power and Water staff works hard to ensure that any contaminants in Columbus' drinking water are restricted below a level at which there is no known health risk. The water delivered to your tap meets all requirements of the Safe Water Drinking Act. We use a complex multi-barrier treatment process to assure safe drinking water is delivered to our customers.

The source of Columbus' drinking water includes rivers, lakes, streams, ponds, reservoirs, springs and wells. Greater Columbus water customers receive water from one of the following three plants:

- Dublin Road Water Plant serves western and southwestern residents using water from Griggs and O'Shaughnessy reservoirs on the Scioto River.
- Hap Cremean Water Plant serves The Ohio State University and northern and northeastern Franklin County area residents. The water source is Hoover Reservoir on Big Walnut Creek.
- Parsons Avenue Water Plant draws water from wells and serves residents in the southeastern Franklin County area.



Water Pumpage Summary

	Dublin Road	Hap Cremean	Parsons Avenue	Total
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Finished Water:				
Total (million gallons)	20,410.12	26,304.93	6,380.73	53,095.78
Average (million gallons per day)	55.77	71.87	17.43	145.07
Percentage of total water pumped	38.4	49.6	12.0	100.0
Estimated Service Population				1,104,500
Average Per Capita Consumption (gallons per day)				131

For water quality information, please request a copy of the Division of Power and Water's Drinking Water Consumer Confidence Report by calling Customer Service at 645-8272 or visit our Web site at www.utilities.columbus.gov.

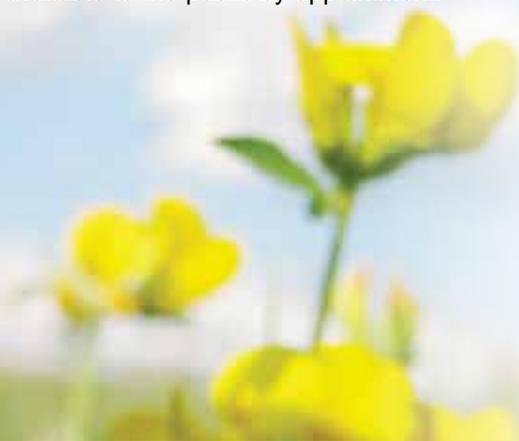


Wastewater Treatment

Columbus operates two 24-hour wastewater treatment plants, serving Columbus and 25 contracting communities. The Jackson Pike Wastewater Treatment Plant was built in 1935 and has a design capacity of 68 million gallons per day (MGD) with a peak treatment capacity of approximately 102 MGD. It serves roughly the central and western half of Franklin County.

The Southerly Wastewater Treatment Plant was built in 1967 and serves roughly the eastern half of the county. Expansions currently underway will raise peak capacity at Southerly to 330 MGD in order to better handle wet weather flow and accommodate an ever-growing central Ohio population.

Both plants have award-winning regulatory compliance records; the Jackson Pike facility reported one EPA permit violation in 2008, its first since 2002, while the Southerly wastewater treatment plant continued its award-winning environmental compliance status with no permit violations, continuing a trend started in 2003. Tours of the plants are available to the public by appointment.



Wastewater Treatment Summary

2008

2007

2006

Total Gallons Treated	63,931,960,000	61,637,280,000	62,421,950,000
Average Gallons Treated Per Day	174,861,858	168,869,267	171,450,000
CBOD5 Removed (Carbonaceous Biological Oxygen Demand)	97.6%	98%	98.2%
Suspended Solids Removed	97.5%	97.8%	97.7%
Dry Tons Bio-Solids Handled:	46,345	44,064	44,852
Composted	9,647	10,098	11,237
Land Filled	3,897	1,436	1,545
Land Applied	3,643	2,572	1,633
Incinerated	24,123	24,901	26,731
Solids to Energy (JP only)	5,035	5,057	3,707
Central Ohio Precipitation	45.4"	39.9"	43.6"

Compost Facility



The Compost Facility was established in 1980 as an environmentally-friendly alternative to treat wastewater residuals. By recycling the bio-solids into a woodchip-and-compost gardening material, DOSD reduces the amount that would otherwise be incinerated or landfilled. The popular "Com-Til" composting product is available for sale to the public. Please visit our Web site at http://utilities.columbus.gov/DOSD/Com-til_NEW.htm for pricing, hours and location.



Compost Facility Summary

2008

2007

2006

Incoming Sludge: Quantity (wet tons)	42,282	44,528	50,081
Average Dry Solids	23%	23%	23%
Average Volatile Solids	79%	79%	80%
Quantity (dry tons)	9,550	10,095	11,237
Compost Processed (cubic yards)	199,225	235,300	174,525
Compost Screened (cubic yards)	177,325	159,713	147,189
Com-Til Sold	43,289	42,708	22,597
Total Compost Sold (dry tons)	14,452	14,714	9,407
Revenue	\$301,672	\$237,106	\$199,658
Total Expenditures	\$2,428,692	\$2,311,255	\$1,988,248
Cost after Revenue (per dry ton)	\$223	\$205	\$158
Cost after Revenue (per wet ton)	\$50	\$47	\$36

Revenues and Expenditures

Sanitary Enterprise Fund

	2008	2007	2006
Revenue			
Beginning Cash Balance	52,150,702	16,393,401	(1,867,020)
Sewer Service Charges	196,832,353	179,665,384	137,639,315
Investment Earnings	19,040,662	8,838,225	4,625,437
System Capacity Charges	5,713,215	6,627,111	9,018,034
Storm Sewer Reimbursements	9,479,351	11,030,259	10,571,735
Other Revenue	1,937,687	1,087,002	10,941,915
Revenues Before Transfers	233,003,267	207,247,981	172,796,436
Other Fund Transfers	357,687	N/A	1,867,020
Revenues After Transfers	233,360,954	207,247,981	174,663,456
Expenditures			
Personnel	41,402,118	34,974,033	33,155,985
Supplies and Materials	6,004,281	5,319,461	5,376,955
Operations and Maintenance	45,481,291	12,701,892	19,811,500
Other Agencies	N/A	11,141,827	16,212,903
Electricity	N/A	9,169,252	N/A
Capital Equipment	2,300,788	1,840,214	2,078,049
Other	112,060	71,585	859,708
Debt Service	134,086,073	82,696,666	71,913,469
Sewer Share of DPU	3,529,730	3,753,463	3,804,448
Sewer Share of DOS	N/A	9,822,287	3,190,017
Total Expenditures	232,916,341	171,490,680	156,403,035
Ending Cash Balance	52,595,315	52,150,702	16,393,401
Revenue Over Expenditures	\$444,613	\$35,757,301	\$18,260,421

Revenues and

Stormwater Enterprise Fund

	2008	2007	2006
Revenue			
Beginning Cash Balance	1,477,372	9,351,723	12,313,868
Storm Sewer Charges	38,481,848	28,318,234	26,462,136
Investment Earnings	1,773,864	3,937,693	3,649,565
Revenues Before Transfers	40,255,712	32,255,927	30,111,701
Refunding Bonds	N/A	N/A	N/A
Revenues After Transfers	40,255,712	32,255,927	30,111,701
Expenditures			
Personnel	1,754,627	1,265,006	1,695,326
Supplies and Materials	46,677	20,377	7,250
Operations and Maintenance	3,691,082	961,265	15,540,271
Other Agencies	20,135,216	16,483,004	N/A
Capital Equipment	54,992	36,940	40,053
Other	N/A	70,000	75,311
Debt Service	13,503,500	12,222,049	15,209,432
Storm Sewer Share of DPU	2,317,494	2,437,169	N/A
Storm Sewer Share of DOS	N/A	6,634,468	06,202
Total Expenditures	41,503,586	40,130,278	33,073,846
Ending Cash Balance	229,497	1,477,372	9,351,723
Revenue Over Expenditures	(\$1,247,875)	(\$7,874,351)	(\$2,962,145)

Expenditures

Water Enterprise Fund

	2008	2007	2006
Revenue			
Beginning Cash Balance	4,259,855	6,399,392	4,935,265
Water Charges	115,392,189	104,822,657	91,149,221
Water Billing Penalties	1,537,991	1,233,510	1,084,501
Investment Earnings	6,568,651	6,716,783	4,988,246
System Capacity	4,939,564	5,517,125	8,253,814
Sewer Billing Charges	8,462,673	N/A	6,972,197
Meter Service Fees	274,837	320,787	396,504
Other Revenue	2,859,250	1,940,621	1,725,892
Revenues Before Transfers	140,035,155	120,551,483	114,570,375
Refunding Bonds	N/A	N/A	N/A
Other Fund Transfers	2,778,720	N/A	N/A
Revenues After Transfers	142,813,875	120,551,483	114,570,375
Expenditures			
Personnel	45,958,534	26,291,484	28,226,989
Supplies and Materials	4,565,047	3,743,958	3,178,767
Chemicals	14,180,166	12,394,189	9,891,272
Operations and Maintenance	9,178,826	3,571,961	7,699,677
Other Agencies	11,940,786	9,525,051	6,957,912
Electricity	6,566,750	7,009,445	5,853,836
Other	105,330	304,479	228,148
Capital Equipment	2,207,032	1,384,964	824,607
Debt Service	43,329,390	40,943,872	38,086,553
Water Share of DPU	3,295,602	8,121,888	2,715,698
Water Share of DOS	N/A	9,399,729	9,442,789
Total Expenditures	141,327,464	122,691,020	113,106,248
Ending Cash Balance	5,746,266	4,259,855	6,399,392
Revenue Over Expenditures	\$1,486,411	(\$2,139,537)	\$1,464,127

Revenues and

Electricity Enterprise Fund

	2008	2007	2006
Revenue			
Beginning Cash Balance	9,030,038	4,944,328	2,081,488
Charges for Electric Service	75,880,583	75,013,559	58,940,320
Construction Charges	509,923	576,463	597,840
Expressway Lighting/Maintenance	754,182	886,248	868,078
Street Lighting	3,248,056	3,214,288	3,253,018
Investment Earnings	686,361	760,987	402,670
New Customer Installation	729,172	670,480	506,553
Other Revenue	1,043,989	1,193,458	1,088,665
Revenues Before Transfers	82,852,266	82,315,483	65,657,144
Refunding Bonds	N/A	N/A	N/A
Revenues After Transfers	82,852,266	82,315,483	65,657,144
Expenditures			
Personnel	9,075,222	7,740,747	7,760,828
Purchase Power	53,763,139	53,866,755	37,677,110
Supplies and Materials	982,773	469,807	555,726
Operations and Maintenance	2,401,633	2,301,991	2,082,613
Other Agencies	5,121,805	4,167,936	3,157,185
Other	213,705	196,700	170,795
Capital Equipment	2,561,896	1,215,487	1,312,195
Debt Service	6,703,064	7,401,336	6,813,880
Electricity Share of DPU	190,426	223,452	1,286,976
Electricity Share of DOS	N/A	645,562	1,976,998
Total Expenditures	81,013,665	78,229,773	62,794,306
Ending Cash Balance	10,868,640	9,030,038	4,944,328
Revenue Over Expenditures	\$1,838,601	\$4,085,710	\$2,862,840

Expenditures

Sewer and Water Advisory Board

The City of Columbus formed the Sewer and Water Advisory Board in 1984 to oversee the rates and major policy changes for sewer and water services in Columbus. The board, comprised of city officials and area residents who represent different constituencies—such as senior citizens and the business community—meets several times a year. Revenue needs are reviewed, along with any rate increase requests for the coming year. Chaired by Ohio State University's Wallace Giffen, the board forwards their recommendation to Columbus City Council, who then review and vote to set rates or change fundamental policy.

2008 Sewer and Water Advisory Board Members

Wallace C. Giffen, Chair
James Bowman
Robert Clemons
Joseph Maskovyak
Margaret Ann Samuels
Hugh J. Dorrian, City Auditor
Tanya Arsh, Department of Public Utilities Director
Joel Taylor, Department of Finance and Management Director

The Sewer and Water Advisory Board meetings are open to the public. Call (614) 645-3956 for a schedule of meeting times and dates.

Columbus City Council

City Council is the legislative branch of the city with the responsibility of adopting annual operating and capital budgets, city contracts that exceed \$20,000, or \$100,000 if authorized from a Universal Term Contract, and enacting the Columbus City Codes. In addition to its fiscal and regulatory authority, council establishes land use policy through its zoning powers. They also must approve any proposed sewer, water, stormwater or power rate increases requested by the Department of Public Utilities.

There are seven members of City Council in addition to a Mayor, a City Auditor and a City Attorney. Council members also serve as chairs for various departmental committees to oversee operations and legislation.

2008 Columbus City Council Members

Michael Mentel, President
Hearcel Craig, President Pro-Tem
Andrew Ginther
A. Troy Miller
Eileen Paley
Charleta Tavares
Priscilla Tyson

City Council meetings are open to the public. For a schedule, please call 645-8559 or visit www.columbus.gov.

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