

THE CITY OF
COLUMBUS

MICHAEL B. COLEMAN, MAYOR

DEPARTMENT OF
PUBLIC UTILITIES

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Annual Report

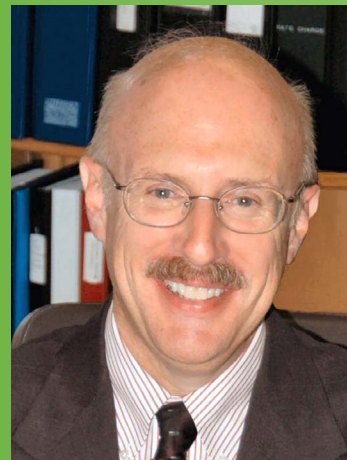


Michael B. Coleman,
Mayor



Greg Davies,
Director

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.



Rick Westerfield, P.E., PhD
Administrator
Division of Power and Water



Dax Blake, P.E.
Administrator
Division of Sewerage and Drainage

City of Columbus
Department of Public Utilities
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message

MESSAGE FROM THE DIRECTOR

Each year the job of providing quality public utilities – clean water, responsible sanitary and storm-water services, and streetlights – becomes more challenging. Our city is growing, our infrastructure is aging and the regulations that govern these services, particularly water and sewer, continue to evolve. We fully understand just how important quality utilities are to maintaining job growth and quality of life, and we embrace the challenge of not only maintaining these services but doing so in the most cost-effective manner possible.

Within this report you will see that 2011 brought significant progress in several key areas, including our work to significantly reduce sewer overflows throughout the city. Ground was broken on a key project, the Olentangy Scioto Interceptor Sewer Augmentation and Relief Sewer, a combination of two acronyms otherwise known as OARS. When finished by mid-2015, the 20' diameter OARS tunnel will divert more than a billion gallons of overflow that would otherwise end up in the Scioto River to our two treatment plants. This is the largest capital improvement project in Columbus history and, when combined with numerous smaller projects in our neighborhoods, represents notable headway along our 40-year Wet Weather Management Plan. Major upgrades are in various stages of planning or construction at our three drinking water treatment plants to increase capacity while meeting more rigorous federal standards. And, we are investing in the infrastructure of our streetlight system by replacing and upgrading circuits throughout the city.

Implementing these upgrades while keeping rates affordable, not to mention maintaining our current infrastructure, results in difficult decisions on an almost daily basis. To that end, we continue to implement a system of Asset Management: a proven method of evaluating needs and benefits utilized by many of the world's top-performing utilities. Even in the early stages of our Asset Management program we have realized millions of dollars in savings which are, in turn, invested back into projects focused on giving our ratepayers the best, most reliable service possible.

Each of our employees is focused on making Columbus a better place to live, work and raise a family through the work they perform in this department. Reliable public utilities are one of the cornerstones of any successful community, and the work our people do on a daily basis toward providing the best possible service is reflected in this report.



The GreenSpot Kids ambassador was inspired by a local fifth grade student who submitted his artwork in a contest. All the entries can be found at www.greenkids.columbus.gov



PROTECTING OUR ENVIRONMENT

The department continued to be a major partner in the city's Get Green Columbus initiative. DPU is active in the effort in various capacities including being home to Columbus' GreenSpot program. GreenSpot, announced by Mayor Coleman during his 2008 State of the City address, saw growth with a total of 3,975 homes, businesses and community groups enrolled by the end of 2011, each committing to a series of behaviors promoting responsible stewardship of the environment.

Neighborhood Outreach

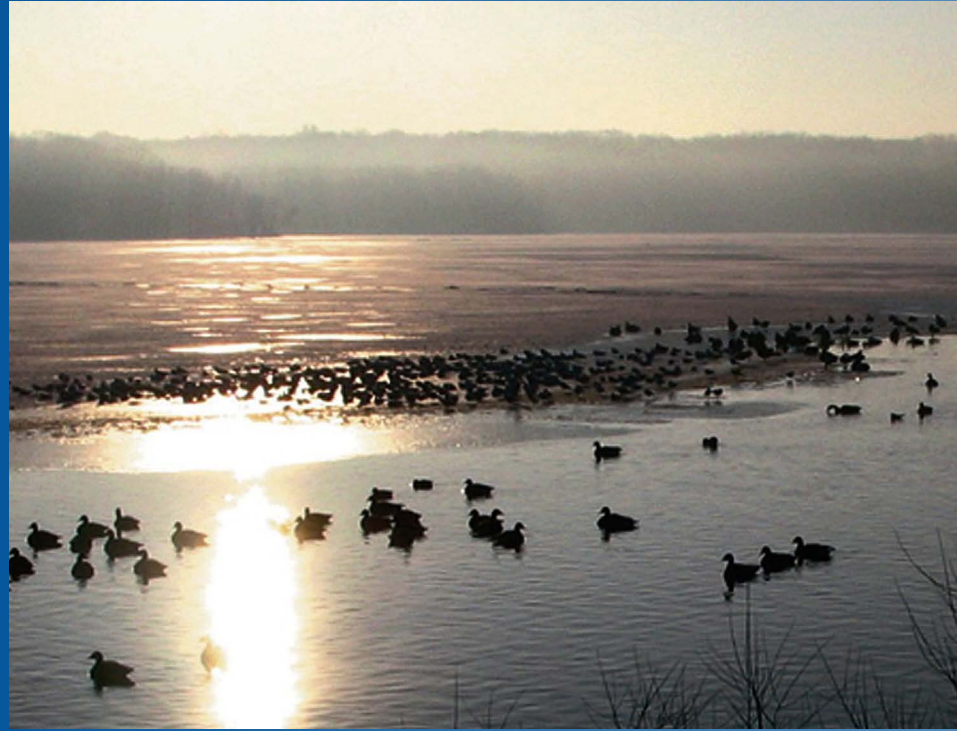
Educational materials and resources were provided to residents at four Neighborhood Pride events. Our model green home continued to be a popular display, demonstrating over 40 energy and money saving tips that can be implemented in homes and yards. Conservation items were provided including reusable water bottles, rain gauges and water saving kits.

The Power Section implemented the Efficiency Smart Program in partnership with American Municipal Power. The program provides grant money to businesses for projects that will reduce their energy consumption.

Partnerships

The department has a strong partnership with other governmental agencies, environmental and neighborhood groups to help promote a sustainable community. Partnership activities in 2011 included:

- 730 rain barrels were distributed to Columbus residents through the GreenSpot Backyard Conservation cost share program, administered by the Franklin Soil and Water Conservation District.
- With Mayor Coleman's Office of Environmental Stewardship and the Ohio Environmental Education Fund, the GreenSpot Kids program was developed and will be implemented in 2012. The program will provide materials to support first grade curriculum in Columbus City Schools.
- In celebration of National Drinking Water Week, the department hosted the fourth annual Central Ohio Children's Water Festival at the Dublin Road Utilities Complex. Over 650 fifth grade students participated in interactive presentations given by local agencies and businesses committed to water quality and storm water protection. Staff provided information on the water treatment and distribution process and the rich history associated with water treatment in Columbus.
- Department staff provided expertise to the Central Ohio Rain Garden Initiative's steering committee. The Franklin Soil and Water Conservation District heads the initiative that provides planning and technical assistance for rain gardens, a stormwater best management practice.



The Columbus Department of Public Utilities Division of Sewerage and Drainage is regulated by the Ohio Environmental Protection Agency Division of Surface Water.

Section	Notices of Violation	Fines
Industrial Wastewater	2 (Program)	750
Pretreatment/Trucked	9 (Technical)	15,000
Fats, Oils and Grease	0	0
Stormwater and Regulatory Management		7,000
Illicit Discharge	20	
Sediment/Erosion Control	15	
Total	46	\$22,750

environment

The Surveillance Laboratory assists the wastewater treatment plants by analyzing samples associated with the plants. A total of 11,574 parameters were analyzed from 757 plant samples. The lab also assists the Industrial Wastewater Pretreatment Program (IWPP) by testing samples of the city's industrial customers. This program generated 23,270 compliance parameters (allowable limits of monitored substances) for analysis from 5,592 samples. The IWPP is also charged with monitoring background levels of pollutants within the sewer system. To achieve this, the lab analyzed 5,513 parameters from 160 samples. The fifth year of a program that analyzes samples taken during high-flow periods generated by heavy rainfall resulted in 2,374 parameters analyzed from 238 samples.

The Industrial Wastewater Pretreatment Group monitors discharges from permitted industries into the sanitary sewer system to ensure compliance with clean water goals. During 2011, staff performed 154 inspections and investigated 8 grease incidents, met with 1,151 food service establishments as part of the Fats, Oils and Grease Best Management Program, and distributed 2,168 door hangers in neighborhoods.

The Stormwater and Regulatory Management Section personnel performed 4,988 site inspections on active construction sites for construction sites pollution control, field screened 925 storm sewer outfalls and investigated 56 reports of spills or suspected illicit discharge to the storm sewer system. Inspections were made at 212 businesses for compliance with OEPA Industrial General Permits for stormwater discharge.

The Compost Facility was established in 1980 as an environmentally friendly alternative to treat wastewater residuals. Recycling the bio-solids into a woodchip and composting gardening material reduces the amount that would otherwise be incinerated or landfilled.

Compost Facility Summary	2011	2010	2009
Incoming Sludge			
Wet Tons	32,562	38,276	40,656
Average Dry Solids	19%	20%	22%
Average Volatile Solids	69%	76%	76%
Dry Tons	6,267	7,451	9,018
Compost Processed (cubic yards)	181,350	280,000	221,650
Compost Screened (cubic yards)	260,531	259,200	244,864
Com-Til Sold	44,407	43,853	44,535
Total Compost Sold (dry tons)	12,405	13,979	13,368
Revenue	394,733	356,499	331,099
Total Expenditures	2,227,821	2,059,387	2,056,703
Cost after Revenue (per dry ton)	\$293	\$229	\$191
Cost after Revenue (per wet ton)	\$56	\$44	\$42



OARS Shaft 1

*Designed Sanitary Relief Modification
at Whittier Street Storm Tanks*



communities

INVESTING IN OUR COMMUNITIES

Division of Sewerage and Drainage

Sewer System Engineering Section

Implementation of the Wet Weather Management Plan (WWMP) remained the Sewer System Engineering Section's main focus. Construction began on Phase 2 of the large diameter OARS tunnel, a key component of the plan. The model update was refined to better predict collection system operation. The section continued its efforts with sanitary and storm sewer improvements throughout the city.

Downtown Infrastructure

Construction began in April on two biofilters – one near the Arena District, the other on the Whittier Peninsula – to aid in protecting downtown sewer infrastructure from hydrogen sulfide degradation and odors.

April also saw the launch of the Combined Sewer Overflow Sluice Gate Regulator Modifications Project, which will result in a reduction of combined sewer and sanitary sewer overflow volumes into the Olentangy and Scioto rivers during an average year of rainfall, resulting in more wet weather flow capture for transport and treatment at the Jackson Pike and Southerly wastewater treatment plants.

Significant progress was made in negotiating funding agreements and environmental compacts with Ohio EPA and The Ohio State University toward finalizing the Fifth Avenue Dam Project, which will remove the existing dam and restore the Olentangy River to its original state.

Sewer Rehabilitation

Various large and small scale cured-in-place lining projects were performed across the city. Where conditions are appropriate, this construction technology enables the SSES to renew sewer pipes without significantly disturbing the ground and at a lower cost to the ratepayer compared to pipe replacement. In 2011, many areas which were called to be lined in the plan were completed, most notably segments within the Early Ditch study area.

The section also undertook a pilot program to determine the benefit of Inflow and Infiltration (I/I) elimination by performing lateral lining in 2010. The project received overwhelming resident support and was extended to 83% of the pilot area. Potential I/I reduction monitoring continued with expected results due in 2012.



Sewer Rehabilitation

Tail Tunnel, OARS Phase 1



communities

Large Diameter Sewer Rehabilitation

The SSES continued to evaluate the condition of its largest sewers throughout the city. These sewers, ranging in size from 3 to 10 feet in diameter, serve the largest population. Three sewers have been studied and evaluated for structural condition and accumulation of debris while another is in the early stages of the assessment process. Two projects were expected to go to construction in 2012: Scioto Main and Olentangy Main Phase 2.

Neighborhood Stormwater Improvements

Several new stormwater system improvement projects began in 2011, many of them joint with the Department of Public Service or the Division of Power and Water (DOPW).

One notable project which began construction in 2011 and is a joint project with DOPW is the Idlewild Drive Storm Sewer Improvements. This project will mitigate street and yard flooding for a large contingent of homes on the east side by improving hydraulics to the Martin Grove Ditch.

Inflow and Infiltration Studies

Studies continued in several neighborhoods and will be reviewed to determine which projects need to move forward in order to meet the requirements on the WWMP. Study areas include Plum Ridge, Northwest Alum Creek, Barthman Parsons, Livingston James, West Fifth Avenue and Early Ditch. Alternatives for Sullivant Avenue and Northwest Alum Creek were evaluated and completion is expected by the end of 2012 per the WWMP. These studies, which typically cover a large area, seek to identify and quantify sources of extraneous stormwater in the sanitary sewers, locate defective pieces of sewer and better understand the performance of the sewer system.

Olentangy Scioto Interceptor Sewer Augmentation and Relief Sewer

The \$265 million OARS Phase 1 was under construction and is scheduled to be completed by mid-2015. This 20-foot diameter, 190 foot deep, nearly 4.5 mile long sewer tunnel will reduce negative impacts of combined sewer overflows into the Scioto River. The tunnel will intercept high wet weather combined sewage flows from the downtown area that are sometimes discharged to the river and instead will convey them to the wastewater treatment plant.

The \$77 million OARS Phase 2 project began construction in 2011 and is also scheduled to be completed by mid-2015. Phase 2 will focus on the Pump Station Campus of the OARS project in addition to the intermediate shafts which will receive flows to the OARS tunnel.

Wet Weather Planning

The Sewer System Capacity Model continued to play a vital role in evaluating capacity deficiencies and devising economical solutions to those deficiencies. This model allows the section to ensure continued compliance with the sanitary and combined overflow consent orders and general hydraulics of the system. The model replicates existing conditions in the collection system and forecasts future scenarios.

In 2011, the reduced pipe model network was constructed, compressing a set of nine calibrated, detailed US EPA Stormwater Management Model 5 hydraulic models (approximately 22,000 pipes) into one simpler consolidated model (approximately 6,000 pipes) which represents the entire sewer collection system of the City of Columbus. This allows for easier and faster computational runs to make decisions on capital improvements and proposed development tie-ins.



Sullivant Avenue Water Line Cleaning and Lining



Canyon Drive Area Water Main Improvements

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

communities

INVESTING IN OUR COMMUNITIES

Division of Power and Water

Water Distribution

Sullivant Avenue Water Line Cleaning and Lining

This project involved mechanically cleaning the interior of the water main and then installing a thin mortar liner on approximately 20,000 linear feet of 20" cast iron pipe. The main benefits of performing this type of rehabilitation include increasing fire and domestic flow to neighborhoods as well as providing better water quality to our customers. Other benefits include installing a layer of corrosion protection to extend the useful life of the pipe, decreasing the amount of energy used to pump water to neighborhoods and replacing old valves to keep customers in service during maintenance activities. All this work was completed at a fraction of the cost of normal open cut construction. The project is expected to be completed by mid summer, 2012.

Canyon Drive Area Water Main Improvements

This improvement involved installing Cured-in-Place Pipe rehabilitation technology. The technology involves mechanically cleaning the existing pipe and then installing a structural lining on the inside of the pipe. This not only seals any leaks in the original pipe but also extends its life by reinforcing its structure. This process cannot be used in every rehabilitation project but for those that qualify, it eliminates the need to dig up and replace the entire water line, saving ratepayer dollars with much less disruption to customers and the surrounding neighborhood. The division successfully completed its first CIPP water line rehabilitation project, which was one of the first few in the state.

Lazelle Road Elevated Water Storage Tank

The Lazelle Road elevated storage tank was the second tank constructed at this location. This two million gallon tank provides the necessary additional storage needed for the expanding Highbanks Water District. It also enhances the district's ability to provide for emergency and fire flows. The tank was constructed with a mixing system designed to ensure the water in the tank is continuously mixed, maintaining proper chlorine levels and preventing ice from building up in the cold weather months.



Construction at the Upground Reservoir

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

communities

Water Supply

Hap Cremean Water Plant Sludge Pump Station

Renovations were completed on this 50-year-old facility, which included major electrical upgrades. The pumps, motors and valves had required continuous maintenance; replacement of this equipment will significantly reduce unnecessary downtime and expenses while increasing efficiency.

South Wellfield Expansion, Collector Well (CW-120 & CW-106)

Construction was completed on the first of four planned well sites while construction started on the second site. Following the recommendations of the Water Beyond 2000 study, this project is progressing toward the development of additional supplies of high quality water to the Parsons Avenue Water Plant.

Dublin Road Water Plant Treatment Capacity Increase Pilot Plant

Preliminary design for proposed improvements to the Dublin Road Water Plant started in 2011. The future plant improvements coming from this design will provide for new processes to meet water quality regulations, future capacity demands, and plant reliability. Construction of these improvements will begin in late 2012 and continue through 2016.

Upground Reservoir

Construction began on the raw water pump station for the city's first upground reservoir off the Scioto River north of the O'Shaughnessy Dam. The first year of construction was completed on this 850 acre, 9 billion gallon reservoir which is anticipated to be completed in 2013. The raw water pipeline that will supply water from the river to the reservoir was advertised for construction and bids were opened. 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 for this phase is \$123 million.

Hap Cremean Water Plant Treatment Improvements

Detailed design progressed for proposed treatment improvements to the Hap Cremean Water Plant. These improvements will allow the treatment plant to meet new Ohio Environmental Protection Agency rules for the Safe Drinking Water Act which will become effective in 2012.

Other improvements completed in 2011 included the Hap Cremean Water Plant Sludge Lagoon #1 Embankment Improvements, and Glick Road Resurfacing. Improvements under construction included the Parsons Avenue Water Plant Automation Upgrade, Parsons Avenue Sludge Disposal Part II, the Dublin Road Water Plant Low Service Pump Replacement Phase 1, and the Supply Facilities Elevator Replacement Project. Improvements under design included the Parsons Avenue Surface Water Treatment Upgrade, the Hap Cremean Automation Upgrade and the South Wellfield Raw Water Line Project. In addition, a Professional Construction Management Program was implemented with a consultant team.



The Power Section maintains and provides all of the city's street lighting services.

Power Section

The Power Section's engineering staff is responsible for supplying the budgetary analysis as well as design, installation and inspection of various projects that impact the electrical system. In 2011, the Power Section added 161 streetlights to our system and completed other projects that improved the distribution system's infrastructure and added customers to our grid. We also reviewed many projects as part of the One Stop Shop process, assisted in revising the new City of Columbus Construction and Materials Specifications book and, in conjunction with American Electric Power, added a small generating facility to our grid in 2011.

There was much development in Columbus' downtown area in preparation of our city's bicentennial, including:

- River South Phase 2
- Franklin County Courthouse
- Main Street bridge
- Rich Street bridge
- Former Lazarus building
- Columbus Commons

We also added infrastructure in several subdivisions, including:

- Oldstone Crossing (phase 3, part 1)
- Alum Creek (section 2, part 3)
- Upper Albany West (phases 3 and 5, parts 1 and 2)
- Reynoldsburg Crossing (section 1, part 2)
- Village at Stone Cliff
- Lakes at Worthington





Customers can pay their bill at the Utilities Complex, on-line, by phone or mail.

Customer Service Highlights

Residential meters	256,180
Meter installations, replacement, inspection, service renewal and termination	75,227
Account/error bill adjustments	2,051
Delinquent accounts (doors tagged, service terminated)	13,710
Meter reading (recheck readings, inspect reading problems)	5,960
Commercial meters (test meters, investigate billing concerns)	1,792
Total calls	359,135
Low Income Discount participants (water and sewer)	4,649
Senior Citizen Discount active participants	
Water	2,498
Power	158
Total customers billed	
Water	277,413
Sewer	268,767
Stormwater	195,535
Power	12,545

service

CUSTOMER SERVICE

The Department of Public Utilities' Web Site

The department's Web site went through a major overhaul as it was migrated into the city's content management system, and went live in June. Many new pages were created in addition to updating all existing content and files. New functionality and improvements included: a new content rotator which prominently displays up to six topics of timely interest; pictorial icons provide a visual reference and quickly navigate customers to pages most commonly sought; and a customizable document library. With frequently updated content, the Web site saw increased traffic by 15 percent prior to the migration and although the current system does not have such tracking features, they are anticipated in a future upgrade.

Project Dry Basement

Columbus residents continued to welcome the opportunity to participate in the Project Dry Basement sewer back-up prevention program, which began in 2004. During the seventh full year of the program 30 backwater valves were installed, bringing the total to 689.

The Compost Facility

The Compost Facility participated in events including the Central Ohio Nursery and Landscape Trade Show, Central Ohio Home and Garden Show, and garden club meetings. By recycling yard waste, woodchips and biosolids, the Compost Facility provides organic products to the soil and plants in the Columbus area.

Watershed Management

The Watershed Management section performed 415 boat safety inspections at Hoover and O'Shaughnessy Reservoirs and participated in these events:

- Hoover Fishing Seminar
- Columbus Sports Vacation and Travel Show
- Columbus Zoo's Earth Day Event



Sewer Maintenance Activity	2011	2010	2009
Repairs (manholes, catch basins, etc)	1,836	1,647	720
Catch basins inspected	24,783	16,443	23,220
Catch basins, inlets, manholes cleaned (city crews)	14,152	13,410	13,361
Catch basins, inlets, manholes cleaned (contracted)	0	236	2,790
Miles of sewer power cleaned	366	394	460
Miles of sewer closed circuit televised	136	116	106
Total work orders	12,304	11,167	10,411

Water Maintenance Activity	2011	2010	2009
Taps			
Repaired	120	94	51
Renewed	385	451	369
Cut-Off at Main	42	45	42
Put-in-Shapes	378	511	547
Relocated/Transfers	0	0	0
New Taps Main Line	7	12	14
Leaks 2" and Under	658	182	149
Leaks 3" and Over	594	626	535
Fire Hydrants			
Repaired	1,654	1,197	1,435
Replaced	57	71	107
Checked	782	752	1,272
Painted	56	678	6,924
Valves			
Installed	95	90	232
Repaired	54	50	45
Put-in-Shapes	378	511	29

MAINTAINING OUR SYSTEMS

Sewer Maintenance Operations Center

The maintenance of the 4,571 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 system, 18 regulators, 27 detention/retention basins, 15 siphons, six sluice gates, three 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 981 catch basins, resulting in 124 cleaned and 9 repaired.

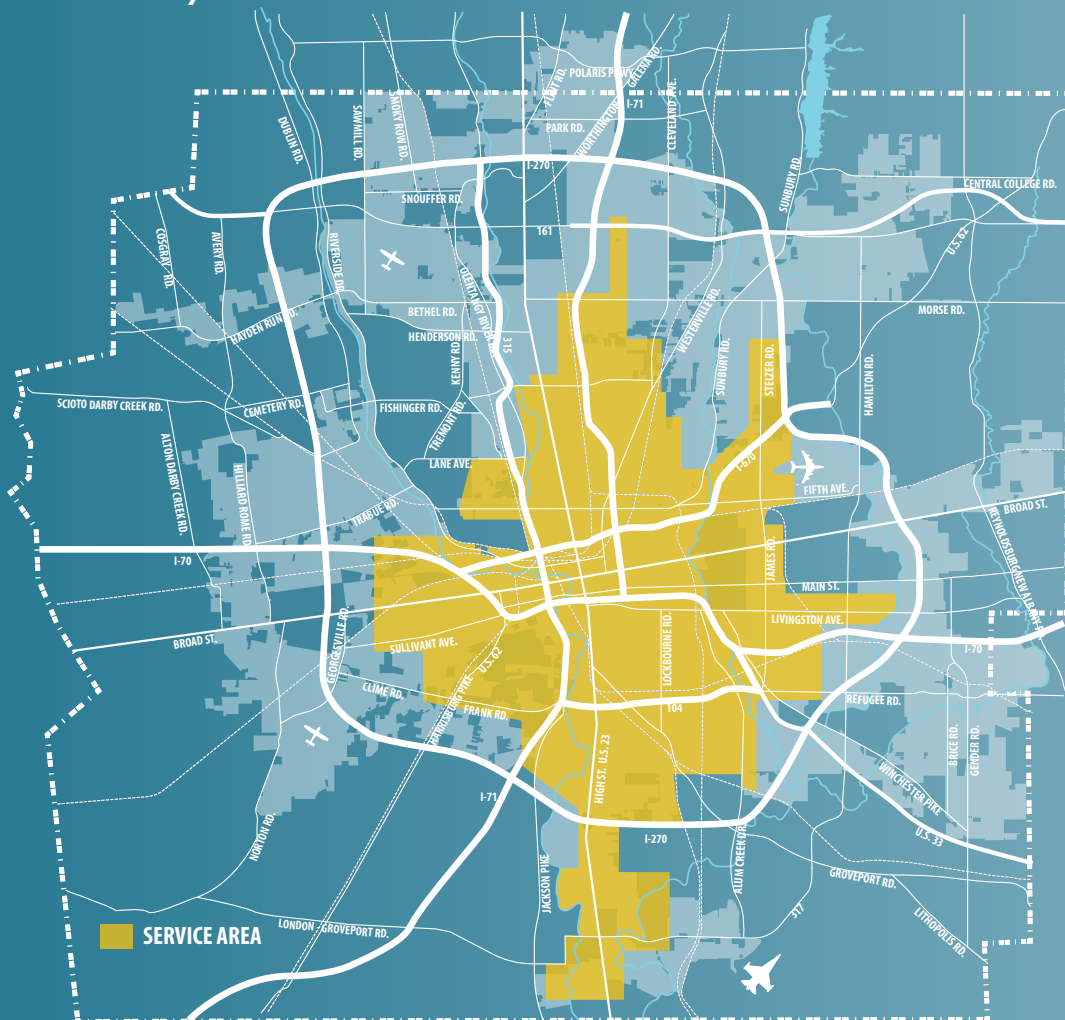
Water Distribution System Maintenance

Water Distribution Maintenance crews oversee 3,485 miles of waterline in Columbus and suburban service areas. Crews repaired a total of 594 water main leaks, 658 water service leaks (city owned portion only) and repaired or replaced 1,654 fire hydrants in 2011. Included in the repairs were 83 leaks discovered by the Pitometer Survey Crew, which performed testing on about 2,047 miles of pipe to locate system leaks that do not surface, better known as unreported leaks. Subsequent repair of these unreported leaks reduced water loss by an estimated 1.6 million gallons each day.

The Cross-Connection Control and Backflow Prevention Program continues to conduct water use surveys and inspections to ensure compliance with the initiative. Records now exist on 33,396 backflow prevention devices in the Columbus water system. Owner information on the backflow devices, along with installation records and the required maintenance schedule, are maintained in our backflow database which allows us to better administer the program. Also maintained are certification information and equipment testing data on the certified backflow testers pre-qualified to perform annual testing.

In 2011, a total of 9,439 inspections were performed by the Backflow group relative to service line installation, meter settings, installation of backflow devices for new construction and backflow test enforcement. Backflow requirements relative to the temporary water set-ups and permitted use of hydrants were also improved. More field inspections were done on hydrants permitted for temporary use to ensure proper system protection and best business practices.

Electricity Service Area



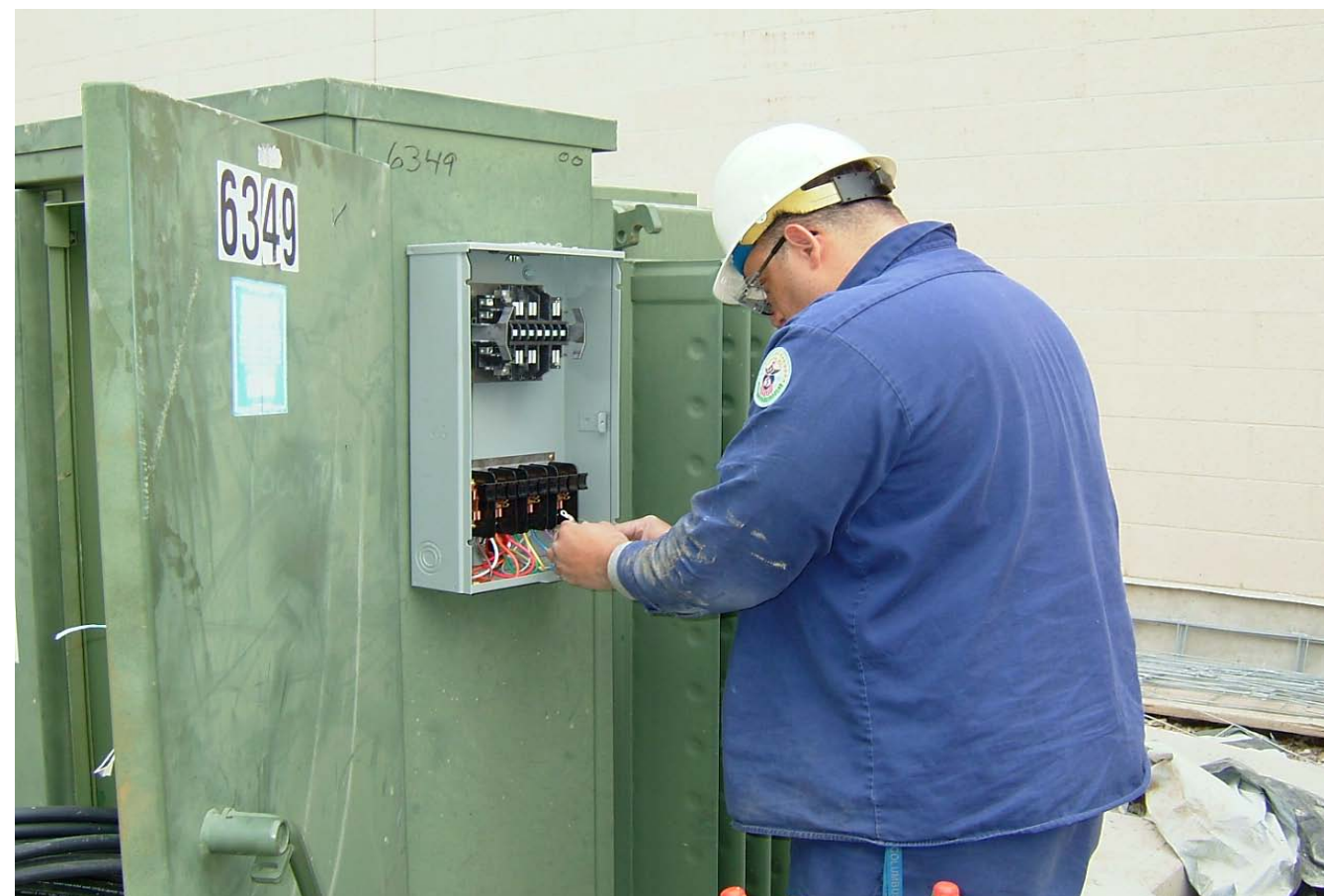
The City of Columbus Power Section provides electricity to 12,545 business and residential accounts.

maintenance

Power Distribution System

The Power Section maintains a network of substations, transmission lines, distribution and street lighting circuits throughout the city. In all, we provide electricity to 12,545 business and residential accounts, allowing us to provide maintenance and energy to 51,641 streetlights city-wide. The section also maintains the O'Shaughnessy hydroelectric unit and Ohio Department of Transportation's freeway lights on major highways within our city limits.

Power Maintenance Activity	2011	2010	2009
Wire/Cable Repaired (feet)	39,297	111,407	150,176
Luminaries	2,599	1,405	2,064
Lamps	8,602	7,074	10,028
Wooden Poles	300	184	217
Standard Poles	379	146	146
Total Service Requests	9,557	9,446	9,641





Jackson Pike Wastewater Treatment Plant



Dublin Road Water Treatment Plant

treatment

TREATMENT

Water Treatment

For water quality information, please request a copy of Columbus' current Drinking Water Consumer Confidence Report by calling Customer Service at 645-8276 or visit www.drinkingwater.columbus.gov.

Water Pumpage Summary	2011	2010	2009
Finished Water			
Total (million gallons)	50,290.46	51,198.06	51,469.82
Average (million gallons per day)	137.78	140.27	141.01
Estimated Service Population	1,132,500	1,125,900	1,115,200
Average Per Capita Consumption (gallons per day)	122	125	126

Wastewater Treatment

Wastewater Treatment Summary	2011	2010	2009
Wastewater Treated			
Total (million gallons)	76,234.60	57,283.53	55,951.10
Average (million gallons per day)	208.86	156.94	153.31
Carbonaceous Biological Oxygen Demand Removed	97.6%	97.9%	97.6%
Suspended Solids Removed	97.3%	97.1%	97.5%
Dry Tons Bio-Solids Handled			
Composted	6,279	6,381	8,820
Land Filled	150	1,080	519
Land Applied	1,585	2,581	2,428
Incinerated	14,656	17,448	19,757
Solids to Energy	14,897	9,451	4,894
To Quasar (a private facility that converts biosolids and food waste to electricity)	3,273	n/a	n/a
Central Ohio Precipitation	54.96"	36.2"	35.5"

REVENUE AND EXPENDITURES

December 31, 2011

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Sanitary Enterprise Fund

	2011	2010	2009
Revenue			
Beginning Cash Balance	84,960,407	64,852,418	52,595,315
Sewer Service Charges	213,853,831	208,003,311	204,815,561
Investment Earnings	1,614,814	2,645,658	6,767,844
System Capacity Charges	4,326,943	4,061,321	3,471,405
Storm Sewer Reimbursements	7,794,381	7,007,270	6,413,631
Other Revenue	4,733,296	3,750,901	1,693,196
Revenues Before Transfers	232,323,265	225,468,461	223,161,637
Other Fund Transfers	0	0	0
Revenues After Transfers	232,323,265	225,468,461	223,161,637
Expenditures			
Personnel	41,782,604	40,758,576	39,752,214
Supplies and Materials	6,428,760	5,345,335	5,474,799
Operations and Maintenance	12,755,575	12,374,535	16,990,300
Other Agencies	21,295,515	18,247,436	14,871,724
Electricity	9,525,662	8,832,533	8,898,781
Capital Equipment	1,398,271	1,617,654	1,840,500
Other	840,280	350,935	186,665
Debt Service	119,715,740	114,001,397	119,092,964
Sewer Share of DPU	4,205,303	3,832,073	3,796,587
Total Expenditures	217,947,708	205,360,473	210,904,534
Ending Cash Balance	99,335,964	84,960,407	64,852,418
Revenue Over Expenditures	\$14,375,557	\$20,107,988	\$12,257,102

Stormwater Enterprise Fund

	2011	2010	2009
Revenue			
Beginning Cash Balance	5,589,535	1,017,173	229,467
Storm Sewer Charges	37,914,392	36,858,863	32,925,847
Investment Earnings	212,251	299,249	531,708
Revenues Before Transfers	38,126,643	37,158,112	33,457,555
Revenues After Transfers	38,126,643	37,158,112	33,457,555
Expenditures			
Personnel	1,395,932	1,393,452	1,330,946
Supplies and Materials	11,130	13,090	13,153
Operations and Maintenance	408,247	434,584	744,471
Other Agencies	17,755,148	16,290,316	16,563,953
Capital Equipment	22,508	0	37,962
Other	224,285	325,493	19,773
Debt Service	14,705,010	13,104,708	12,837,460
Storm Sewer Share of DPU	995,747	1,024,107	1,122,161
Total Expenditures	35,518,007	32,585,750	32,669,879
Ending Cash Balance	8,198,171	5,589,535	1,017,173
Revenue Over Expenditures	\$2,608,636	\$4,572,362	\$787,676

Water Enterprise Fund

	2011	2010	2009
Revenue			
Beginning Cash Balance	6,707,105	1,298,309	5,746,266
Water Charges	142,640,540	135,745,830	127,557,616
Water Billing Penalties	1,862,358	1,772,801	1,727,213
Investment Earnings	1,004,973	1,026,337	1,977,259
System Capacity	3,372,935	2,821,000	2,987,186
Sewer Billing Charges	6,948,770	5,648,001	5,796,878
Meter Service Fees	570,974	389,160	741,917
Other Revenue	7,960,536	4,638,738	1,983,692
Revenues Before Transfers	164,361,085	152,041,867	142,771,761
Other Fund Transfers	0	0	0
Revenues After Transfers	164,361,085	152,041,867	142,771,761
Expenditures			
Personnel	44,813,803	42,686,447	42,224,377
Supplies and Materials	3,415,579	3,749,520	3,766,106
Chemicals	14,965,624	15,711,799	17,245,549
Operations and Maintenance	7,778,801	6,981,275	7,543,285
Other Agencies	12,505,966	12,057,514	11,419,835
Electricity	9,315,127	8,195,536	7,627,614
Other	850,895	779,881	249,752
Capital Equipment	759,773	603,950	1,556,404
Debt Service	58,472,005	52,461,409	51,986,093
Water Share of DPU	3,494,682	3,405,740	3,600,703
Total Expenditures	156,372,255	146,633,071	147,219,718
Ending Cash Balance	14,695,935	6,707,105	1,298,309
Revenue Over Expenditures	\$7,988,830	\$5,408,796	(\$4,447,957)

Power Enterprise Fund

	2011	2010	2009
Revenue			
Beginning Cash Balance	937	23,873	10,868,641
Commercial Service	67,288,837	67,599,641	69,652,743
Investment Earnings	56,802	64,249	207,910
Kilowatt Hour Tax Reduction	(1,582,944)	(3,284,329)	(3,229,231)
Other	3,472,323	5,577,711	5,056,764
PCRA	13,928,729	11,303,790	551,507
Residential Service	6,845,225	6,558,799	6,393,923
Streetlight Reimbursement/Transportation	0	0	0
Revenues Before Transfers	90,008,972	87,819,861	78,633,616
Revenues After Transfers	90,008,972	87,819,861	78,633,616
Expenditures			
Personnel	7,927,958	8,455,067	8,611,593
Purchase Power	62,789,471	62,971,079	57,531,883
Supplies and Materials	696,133	644,287	1,736,445
Operations and Maintenance	2,391,946	3,765,249	1,995,354
Other Agencies	5,953,575	4,875,316	5,131,500
Other	126,640	18,985	141,983
Capital Equipment	474,343	682,826	970,241
Debt Service	5,297,227	5,876,651	6,899,318
Transfer Fund	1,481,000	0	6,000,000
Power Share of DPU	533,141	553,337	460,066
Total Expenditures	87,671,434	87,842,797	89,478,383
Ending Cash Balance	2,338,475	937	23,873
Revenue Over Expenditures	\$2,337,538	(\$22,936)	(\$10,844,767)

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, low income and the business community—meets several times a year. Revenue and operational needs are reviewed, along with any rate increase requests for the coming year. Chaired by Wallace Giffen, the board forwards their recommendation to Columbus City Council, who then review and vote to set rates or change fundamental policy.

2011 Sewer and Water Advisory Board Members

Wallace C. Giffen, Chair

Joseph Maskovyak

Robert Patterson

Shawn Funk

James Bowman

Hugh J. Dorrian, City Auditor

Paul Rakosky, 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

Andrew Ginther, President

Hearcel Craig, President Pro-Tem

Eileen Y. Paley, Public Utilities Committee Chair

Zachary Klein

Michelle Mills

A. Troy Miller

Priscilla Tyson

