

2010 Annual Report



Columbus Department of Public Utilities



Michael B. Coleman
Mayor



Tatyana Arsh, P.E.
Director



City of Columbus



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Division of Sewerage and Drainage



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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.



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Year in Review

From the Director

Columbus remains a city on the rise, especially when it comes to population. The latest data from the Census Bureau shows Columbus added more than 10% to its population over the last decade and was the only major Ohio city to gain residents. Our metropolitan area continues to grow as well; Columbus remains the center of a strong and diverse central Ohio economy that has better withstood the downturned economy compared to other regions of the state and is poised to rebound more quickly.

Maintaining this momentum through providing quality public utilities to our businesses and neighborhoods remains the highest priority for the Columbus Department of Public Utilities (CDPU). Efforts to expand and improve our infrastructure resulted in the addition of 14 miles of new water pipe, with an additional three and a half miles brought on line in our contracting suburban communities for a system-wide total of 3,475 miles. New streetlights were added, 183 in all, bringing the citywide total to 51,472. An ongoing review of stormwater, combined and sanitary sewer pipe using GIS technology indicated the total being maintained by the city was 4,625 miles.

Our efforts to grow and improve also include accountability in environmental stewardship. Our most significant accomplishment in 2010 was completing one of the most important milestones in our Wet Weather Management Plan by meeting a July 2010 consent order deadline to upgrade our wastewater treatment capacity by 50%. The Regulatory Compliance Section continued a multi-year effort to analyze the results of an audit in order to implement an Environmental Management System and procedures for it were written. Our Southerly and Jackson Pike wastewater treatment plants gained renewal of their National Pollutant Discharge Elimination System permits.



Progress continued in the implementation of our Asset Management plan in order to most effectively maximize our resources. Developments included the completion of many improvements to our computerized Work Asset Management system, finishing several business case evaluations to identify responsible investments and a thorough review of maintenance practices resulting in additional emphasis on preventative maintenance. A team defined 30 levels of service important to our customers, and an optimization program for our treatment plants was implemented. Our plan is modeled on successful programs elsewhere in the United States and around the world with the goals of enhancing capital project planning and the efficient maintenance of water and sewer lines, streetlights, vehicles and other assets.

Another significant accomplishment involved technology improvements that will, when fully implemented, dramatically increase efficiency across the department. A schedule to equip our fleet with automated vehicle location was initiated. Utilizing Global Positioning System technology, this system visually displays the location of vehicles in near real time and can increase employee productivity, enhance safety and improve fuel efficiency. The plan is to deploy this technology in over 500 vehicles as part of an initiative that includes mobile computing and dispatching. Another facet

involved deploying nearly 200 computers to our field crews, providing mobile accessibility to critical applications, including work order mapping tools.

All of these efforts have the common goals of improving our delivery of safe drinking water, reliable sewer services, well-lit streets and the protection of our environment. Columbus residents and businesses expect reliable public utilities and we are dedicated to meeting or exceeding those expectations.

Guardians of the Environment



The department continued to be a major partner in the city's Get Green Columbus initiative. CDPU is active in the effort in various capacities, including being home to Columbus' GreenSpot Program. A total of 369 businesses, 1,605 households and 52 community groups have been recognized as GreenSpot locations.

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 including reusable water bottles, rain gauges, water saving kits and compact fluorescent bulbs were provided.

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.

The department continued their partnerships with other agencies to help promote a sustainable community. Highlights for 2010:

- In celebration of National Drinking Water Week, we hosted the third annual Central Ohio Children's Water Festival at the Utilities Complex. Over 400 fifth grade students participated in interactive presentations given by local agencies and businesses committed to water quality and stormwater protection.
- Friends of the Lower Olentangy Watershed provided education on the use of rain barrels. The department funded the program and provided rain barrels to 170 residents at a reduced cost.
- The department continued to be a participant of the Central Ohio Rain Garden Initiative and Mid-Ohio Regional Planning Commission's Greenways Steering Committee.
- A partnership with Columbia Gas reminded customers about saving water and gas through appliances.

2010 Children's Water Festival



Top: Mayor Coleman with two fifth grade Water Festival participants.

Left: Mike Spriggs demonstrates the water tapping process to the students.

Guardians of the Environment (continued)

Department staff provided expertise to the Central Ohio Rain Garden Initiative's (CORGI) 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 Surveillance Laboratory assists the wastewater treatment plants with monitoring effluents discharged by the plants. A total of 3,408 compliance parameters (allowable limits of monitored substances) were analyzed from 857 plant samples. The lab also assists the Industrial Wastewater Pretreatment Program by testing samples of the city's industrial customers. A total of 20,148 compliance parameters were analyzed from 5,711 samples for the pretreatment program. The fourth year of a program that analyzes samples taken during high-flow periods generated by heavy rainfall resulted in 1,233 parameters analyzed from 305 samples.

The Industrial Wastewater Pretreatment Group monitors discharges from permitted industries into the sanitary sewer system to ensure compliance with clean water goals. During 2010, staff performed 154 inspections and investigated eight 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. There was one cost recovery performed due to a blockage caused by grease.

The Stormwater and Regulatory Management Section personnel performed 4,631 site inspections on active construction sites for erosion and sediment control; field screened 886 storm sewer outfalls and investigated 67 reports of spills or suspected illicit discharge to the storm sewer system. Inspections were made at 194 businesses for compliance with OEPA Industrial General Permits for stormwater discharge.



Section	Notices of Violation	Fines
Industrial Wastewater/ Trucked Waste	24 Program 13 Technical	26,750
Fats, Oils and Grease	0	0
Stormwater and Regulatory Management	15 Illicit Discharge 13 Sediment/Erosion Control	8,500
Total	65	\$32,250

Investing in Our Community

Division of Sewerage and Drainage

Implementation of the Wet Weather Management Plan remained the division's main focus, with a key component of the plan -- the large diameter OARS tunnel -- under construction in 2010. The model update continued to be refined to better predict collection system operation. The section continued its efforts with sanitary and storm sewer improvements throughout Columbus.

Downtown Infrastructure

An air quality control project, the OSIS Downtown Odor Control Facilities, was finalized and bid to aid in protecting Downtown sewerage facilities from hydrogen sulfide degradation and odors. Two bio-filters will be constructed, one near the Arena District and the other on the Whittier Peninsula to protect sewers and mitigate odors along the river downtown.

The CSO sluice gate regulator modification project was bid in 2010 with construction planned for 2011. This project 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. The modifications will result in more wet weather flow capture for transport and treatment at the Jackson Pike and Southerly wastewater treatment plants.



Sewer Rehabilitation

Various large and small scale cured-in-place lining projects were performed again in 2010 across the city. Where conditions are appropriate, this construction technology enables renewal of sewer pipes without significantly disturbing the ground and at a lower cost to the ratepayer as compared to total pipe replacement. A pilot program to determine the benefit of inflow

and infiltration (I/I) elimination by performing lateral lining resulted in the installation of 120 sewer lateral liners. The pilot received overwhelming resident support and will be extended to include an additional 70 properties in 2011. Potential I/I reduction will be monitored in the sewer system serving these laterals over the next several years.

Large Diameter Sewer Rehabilitation

The program to evaluate the condition of Columbus' largest sewers continued. These sewers, ranging in size from three to 10 feet in diameter, serve the largest portions of our service area population. To date, 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. The first rehabilitation project identified through this program, the Olentangy Main, was completed in 2010 with the second phase of cleaning and rehabilitation scheduled to begin in 2011.

Sewer Inflow and Infiltration Studies

The Plum Ridge and Sullivant Avenue I/I Studies began, bringing the total number of ongoing I/I studies to eight. The others are: Miller-Kelton, Northwest Alum Creek, Barthman-Parsons, Livingston-James, West Fifth Avenue and Early Ditch. These studies, which typically cover a large area, will seek to identify and quantify sources of extraneous stormwater in the city's sanitary sewers, locate defective pieces of pipe and better understand the performance of the sewer system. The study will then develop cost-effective solutions to mitigate wet weather related backups, overflows and bottlenecks. These ongoing studies will recommend future projects, driving the capital improvements program into the future.

Olentangy Scioto Interceptor Sewer Augmentation and Relief Sewer

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

Investing in Our Community (continued)

Neighborhood Stormwater Improvements

Several new stormwater system improvement projects began in 2010 which included various communities such as Hilltop and Clintonville, among others, to alleviate street and backyard flooding. One notable project that got underway was the Richards/Granden/Torrence area improvements. This project will alleviate I/I into the sanitary system, providing relief to a sanitary sewer overflow in the area.

Wet Weather Planning

The ability to fully utilize available in-line storage in the Scioto Main sanitary trunk sewer and the Interconnector sewer has been identified as a key and feasible component of our wet weather operations. Studies were underway to evaluate and make recommendations on collection system improvements needed to: fully utilize available storage in the Scioto Main and Interconnector sanitary sewers, withstand expected surcharge in the Scioto Main and its tributary sewers, and provide appropriate and feasible protection to reduce sewer backups.

In addition, the sewer system capacity model update was well underway. The model update includes: conduits greater than or equal to 12" in diameter and incorporates refined dry weather flow loading; enhanced operations of key system components; enhanced flow monitoring; radar rainfall analysis; continuous calibration and simulations for a better understanding of rain-dependent I/I in the sanitary and combined areas.

A Stormwater Management Modeling draft document was developed, which lays out details and approaches for all future hydraulic model development, calibrations and applications. The topics include: common modeling considerations and challenges; development of dry weather flow, development of sanitary sewer wet weather flow, development of combined sewer wet weather flow, calibration of hydraulic model parameters and model application to support planning decisions.

Division of Power and Water

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

Main Street 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 10,000 linear feet of 24" cast iron pipe. The main benefits of this type of rehabilitation include increasing fire and domestic flow to neighborhoods and better water quality to our customers. Other benefits include corrosion protection to extend the life of the pipe, decreasing the amount of energy used to pump water, and replacing old valves to retain service during maintenance, at a fraction of the cost of normal open-cut construction.

Long Street Water Line Cleaning and Lining

The Long Street Water Line Cleaning and Lining project involved the same type of work and benefits as the above project on approximately 8,000 linear feet of 24" water main.

Doherty Road 12" Water Line Improvements

This project involved installing approximately 3,500 linear feet of 6" and 12" ductile iron water mains on Doherty Road. The purpose of the project is to improve pressure and flow in the area.



Investing in Our Community (continued)

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

Hap Cremean Water Plant Sludge Pump Station

Construction continued on renovations to this 50+ year-old facility. Replacement of equipment will significantly reduce downtime and expenses due to maintenance while increasing efficiency.

South Wellfield Expansion (Collector Well CW-120)

Construction continued on the first of four planned well sites, and design continued on the second well site. Following the Water Beyond 2000 study recommendations, this project was 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

A consultant team was selected to implement preliminary and detailed design for the proposed improvements to the Dublin Road plant to increase its design capacity and meet Safe Drinking Water Act regulations.

Dublin Road Water Plant Clearwell Rehabilitation

Construction was completed on this \$13 million improvement involving concrete rehabilitation and cleaning of finished water clearwells constructed from 1908 - 1975 (pictured here); rehabilitation of valves, sedimentation and softening basin concrete; a new fire alarm system; and the addition of a stairwell that utilizes green roof technology.

Upground Reservoir

Design work and permitting progressed on the raw water pump station and pipeline for the upground reservoir off the Scioto River north of the O'Shaughnessy Dam. The 843 acre, 9 billion gallon reservoir was advertised for construction. The project will produce additional safe yield water supply for the Dublin Road Water Plant. Total estimated cost for this phase is \$140 million.

Hap Cremean Water Plant Treatment Improvements

Detailed design was initiated and progressed for proposed treatment improvements to the Hap Cremean Water Plant. These improvements will allow the treatment plant to meet new OEPA rules for the Safe Drinking Water Act to become effective in 2012.

Other Improvements

Hap Cremean Part II of Sludge Disposal Line Replacement, Parsons Avenue Sludge Removal Part I and Dublin Road New Low Service Pump installation were completed. The Parsons Avenue Automation Upgrade and Sludge Disposal Part II, the Hap Cremean Sludge Lagoon #1 Embankment Improvements, and the Glick Road Resurfacing projects were under construction. Under design improvements included the Parsons Avenue Surface Water Treatment Upgrade, and the Dublin Road Low Service Pump Replacement Phase 1.

The engineering section in the Power Section of DOPW is responsible for overseeing and coordinating the installation of many projects including various improvements on the electrical system. The Power Section's engineering staff also improved the distribution system's infrastructure, added streetlights, and allowed the addition of customers to our system.

2010 highlights:

- North High Street Improvements
- Livingston/Parsons Avenue Gateway
- Dublin Avenue Substation 138KV Switch Replacement
- 15KV duct around the new Franklin County court house
- Lockbourne Road widening

Street Lighting

Capital projects completed in 2010 included replacement and installation of new lights for projects such as Waggoner Chase, Olentangy Meadows, Galloway Ridge, Elim Estates, Hague Avenue, Morse Road Improvements, Hayden Run and Leppert Roads.

Customer Service

2010 was a year of new beginnings in the Customer Service Center. Modifications continued on the new billing system that went into use in late 2009. New staff came on board, which included customer service representatives, supervisors and a new Call Center manager. Newly trained staff were added to the pool of those trained to take calls from power customers.

The Department of Public Utilities' Web site underwent significant updates and improvements that included 34 new pages. The site is updated on a regular basis to feature pages most commonly used by customers. Improvements included a new power bill on-line payment function, and a new section featuring documents and frequently requested information used by landowners living along the city's three reservoirs. The drinking



Customer Service Representatives Mahogany McMillion and Phil Halsey



water quality section was expanded, and a new section regarding equal opportunity for businesses was developed.

Columbus residents continued to welcome the opportunity to participate in the Project Dry Basement sewer backup prevention program, which began in 2004. During the sixth full year of the program 30 backwater valves were installed, bringing the total to 659.

The Compost Facility donated material for various community garden projects and parks in Columbus and participated in events including the Central Environmental Nursery Trade Show, Central Ohio Home and Garden Show, garden club meetings and the Chadwick Arboretum and Gardens' Spring Plant Sale.

2010 Customer Service Highlights

Residential Meters (installations and replacements, inspections, service renewal and termination)	82,641
Account adjustments	36,386
Delinquent accounts (doors tagged, service terminated)	24,201
Meter reading (recheck readings, inspect reading problems)	11,562
Commercial meters (test meters, investigate billing concerns)	1,812
Total calls	449,076
Low Income Discount participants (water and sewer)	5,747
Senior Citizen Discount active participants:	
Water	2,310
Power	121
Total customers billed:	
Water	277,413
Sewer	268,767
Storm	195,535
Power	13,563

Maintaining Our Systems

Sewer Maintenance Operations Center

The maintenance of the 4,625 miles of storm, sanitary, and combined sewers is performed by the Sewer Maintenance Operations Center, 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 the Supervisory Control Data and Acquisition (SCADA) 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 1,917 catch basins, resulting in 453 catch basins cleaned and 38 catch basins repaired.

Sewer Maintenance Activity	2010	2009	2008
Repairs (manholes, catch basins, etc.)	1,647	720	792
Catch basins inspected	16,443	23,220	28,140
Catch basins, inlets, manholes cleaned (city crews)	13,410	13,361	8,363
Catch basins, inlets, manholes cleaned (contracted)	236	2,790	2,575
Miles of sewers power cleaned	394	460	395
Miles of sewers closed circuit televised	116	106	118
Total work orders	11,167	10,411	12,784

Power Distribution System Maintenance

Power Maintenance Activity	2010	2009	2008
Wire/cable repaired (feet)	111,407	150,176	238,125
Luminaries	1,405	2,064	2,529
Lamps	7,074	10,028	10,191
Wooden poles	184	217	286
Standard poles	146	146	141
Total service requests	9,446	9,641	11,319

The Power Section of the DOPW provides electricity to about 13,563 business and residential customers to generate revenue in order to maintain and operate 51,472 streetlights citywide. The section maintains a network of substations, transmission lines, distribution and streetlighting circuits. The staff is also involved in providing the maintenance of the O'Shaughnessy hydroelectric unit and maintaining ODOT's freeway lights on major highways in Columbus. Safer neighborhoods through street and alley lighting remained a primary mission.

Maintaining Our Systems (continued)

Water Distribution System Maintenance

The work crews of the Water Distribution Maintenance maintain 3,475 miles of waterline in Columbus and suburban service areas. Repair crews repaired a total of 808 water main breaks and repaired or replaced 1,268 fire hydrants in 2010. Included in the repairs were 48 leaks discovered by the Pitometer Survey Crew, which performed testing on about 1,290 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 2 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 32,337 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 2010, a total of 8,831 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.

Water Maintenance Activity	2010	2009	2008
Taps			
Repaired	94	51	201
Renewed	451	369	266
Cut-off at main	45	42	45
Put-in-shapes	511	547	432
Relocated/transfers	0	0	0
New taps main line	12	14	29
Leaks 2" and under	182	149	155
Leaks 3" and over	626	535	571
Total Leaks	808	684	726
Fire Hydrants			
Repaired	1,197	1,435	1,371
Replaced	71	107	54
Checked	752	1,272	1,462
Painted	678	6,924	4,391
Valves			
Installed	90	232	96
Repaired	50	45	55
Put-in-shapes	511	29	7

Water Treatment

The Division of Power and Water staff work hard to ensure that 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 an estimated 1.1 million people in Columbus and in 20 contracting communities.

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

- The Dublin Road Water Plant serves downtown Columbus, western and southwestern residents using water from Griggs and O'Shaughnessy reservoirs on the Scioto River. In 2010, this plant provided 35% of all water pumped and has a capacity of 65 MGD.
- The Hap Cremean Water Plant, on the north side, serves The Ohio State University and northern and northeastern Franklin County area residents. The water source is Hoover Reservoir on Big Walnut Creek. This plant provided 55% of all water pumped in 2010 and has a 100 MGD capacity.
- Parsons Avenue Water Plant on the south side draws water from wells and serves residents in the southeastern Franklin County area. The Parsons Avenue plant provided 10% of all water pumped in this year and can treat up to 50 MGD.

For water quality information, please request a copy of Columbus' current Drinking Water Consumer Confidence Report by calling (614) 645-8276 or visit our publications page at www.utilities.columbus.gov.



Hoover Reservoir Dam

Drinking Water Pumpage Summary	2010	2009	2008
Total gallons treated	51,198,060,000	51,469,820,000	53,095,780,000
Average (million gallons per day)	140.27	141.01	145.07
Estimated service population	1,125,900	1,115,200	1,104,500
Average per capita consumption (gallons per day)	125	126	131

Wastewater Treatment

The City of Columbus operates two 24-hour, award-winning wastewater treatment plants, serving the city and 25 contracting suburban communities.

The Jackson Pike Wastewater Treatment Plant, located on Jackson Pike south of downtown along I-71, was built in 1935 and has a design capacity of 68 MGD with a peak treatment capacity of approximately 150 MGD. It serves roughly the central and western half of Franklin County.

The Southerly Wastewater Treatment Plant, located on South High Street just south of the Scioto Downs racetrack, was built in 1967 and serves roughly the eastern half of the county. Average daily design flow is 114 MGD with a peak flow of 330 MGD.

Both plants discharge treated water into the Scioto River. Numerous upgrades have been done to them in recent years. Tours of the plants are available to the public by appointment.



Jackson Pike Wastewater Treatment Plant

Wastewater Treatment Summary	2010	2009	2008
Total gallons treated	57,283,530,000	55,951,100,000	63,931,960,000
Average (million gallons per day)	156.9	153.3	174.8
Carbonaceous biological oxygen (CBOD5) removed	97.9%	97.6%	97.6%
Suspended solids removed	97.1%	97.5%	97.5%
Dry tons bio-solids handled:	36,941	36,418	46,345
Composted	6,381	8,820	9,647
Land filled	1,080	519	3,897
Land applied	2,581	2,428	3,643
Incinerated	17,448	19,757	24,123
Solids to energy	9,451	4,894	5,035
Central Ohio Precipitation	36.2"	35.5"	45.4"

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, it reduces the amount that would otherwise be incinerated or land-filled.

The popular Com-Til composting product is available for purchase by the public. For more information, please call (614) 645-3153 or visit www.utilities.columbus.gov.



Compost Facility Summary	2010	2009	2008
Incoming Sludge: Quantity (wet tons)	38,276	40,656	42,282
Average dry solids	20%	22.2%	22.6%
Average volatile solids	76%	75.8%	78.9%
Quantity (dry tons)	7,451	9,018	9,550
Compost processed (cubic yards)	280,000	221,650	199,225
Compost screened (cubic yards)	259,200	244,864	177,325
Com-Til sold	43,853	44,535	43,289
Total compost sold (dry tons)	13,979	13,368	14,452
Revenue	\$356,499	\$331,099	\$301,672
Total expenditures	\$2,059,387	\$2,056,703	\$2,428,692
Cost after revenue (per dry ton)	\$229	\$191	\$223
Cost after revenue (per wet ton)	\$44	\$42	\$50



Revenues and Expenditures

Sanitary Enterprise Fund (Division of Sewerage and Drainage)

	2010	2009	2008
Revenue			
Beginning Cash Balance	64,852,417	52,595,315	52,150,702
Sewer Service Charges	208,003,311	204,815,561	196,832,353
Investment Earnings	2,645,658	6,767,844	19,040,662
System Capacity Charges	4,061,321	3,471,405	5,713,215
Storm Sewer Reimbursements	7,007,270	6,413,631	9,479,351
Other Revenue	3,750,901	1,693,196	1,937,687
Revenues Before Transfers	225,468,461	223,161,637	233,003,267
Other Fund Transfers	0	0	357,687
Revenues After Transfers	225,468,461	223,161,637	233,360,954
Expenditures			
Personnel	40,758,576	39,752,214	41,402,118
Supplies and Materials	5,345,335	5,474,799	6,004,281
Operations and Maintenance	12,374,535	16,990,300	45,481,291
Other Agencies	18,247,436	14,871,724	0
Electricity	8,832,533	8,898,781	0
Capital Equipment	1,617,654	1,840,501	2,300,788
Other	350,935	186,665	112,060
Debt Service	114,001,397	119,092,964	134,086,073
Sewer Share of DPU	3,832,073	3,796,587	3,529,730
Total Expenditures	205,360,473	210,904,535	232,916,341
Ending Cash Balance	84,960,405	64,852,417	52,595,315
Revenue Over Expenditures	\$20,107,988	\$12,257,102	\$444,613

Revenues and Expenditures (continued)

Stormwater Enterprise Fund (Division of Sewerage and Drainage)

	2010	2009	2008
Revenue			
Beginning Cash Balance	1,017,173	229,497	1,477,372
Storm Sewer Charges	36,858,863	32,925,847	38,481,848
Investment Earnings	299,249	531,708	1,773,864
Revenues Before Transfers	37,158,112	33,457,555	40,255,712
Revenues After Transfers	37,158,112	33,457,555	40,255,712
Expenditures			
Personnel	1,393,452	1,330,946	1,754,627
Supplies and Materials	13,090	13,153	46,677
Operations and Maintenance	434,584	744,471	3,691,082
Other Agencies	16,290,316	16,563,953	20,135,216
Capital Equipment	0	37,962	54,992
Other	325,493	19,773	0
Debt Service	13,104,708	12,837,460	13,503,500
Storm Sewer Share of DPU	1,024,107	1,122,161	2,317,494
Total Expenditures	32,585,750	32,669,879	41,503,586
Ending Cash Balance	5,589,535	1,017,173	229,497
Revenue Over Expenditures	\$4,572,362	\$787,676	(\$1,247,875)

Revenues and Expenditures (continued)

Power Enterprise Fund (Division of Power and Water)

	2010	2009	2008
Revenue			
Beginning Cash Balance	23,873	10,868,641	9,030,038
Commercial Service	67,599,641	69,652,743	73,147,004
Investment Earnings	64,249	207,910	686,361
Kilowatt Hour Tax Reduction	(3,284,329)	(3,229,231)	(3,365,494)
Other	5,577,711	5,056,764	2,587,435
Power Cost Reserve Adjustment	11,303,790	551,507	0
Residential Service	6,558,799	6,393,923	6,548,905
Streetlight Reimbursement- Transportation	0	0	3,248,056
Revenues Before Transfers	87,819,861	78,633,616	82,852,267
Revenues After Transfers	87,819,861	78,633,616	82,852,267
Expenditures			
Personnel	8,455,067	8,611,593	9,075,222
Purchase Power	62,971,079	57,531,883	53,763,139
Supplies and Materials	644,287	1,775,604	982,773
Operations and Maintenance	3,765,249	1,995,354	2,401,633
Other Agencies	4,875,316	5,131,500	5,121,805
Other	18,985	141,983	213,705
Capital Equipment	682,826	970,241	2,561,896
Debt Service	5,876,651	6,899,318	6,703,064
Transfer Fund	0	6,000,000	0
Power Share of DPU	553,337	460,066	190,426
Total Expenditures	87,842,797	89,517,542	81,013,665
Ending Cash Balance	937	23,871	10,868,640
Revenue Over Expenditures	(22,936)	(\$10,844,767)	\$1,838,601

Revenues and Expenditures (continued)

Water Enterprise Fund (Division of Power and Water)

	2010	2009	2008
<i>Revenue</i>			
Beginning Cash Balance	1,298,310	5,746,266	4,259,855
Water Charges	135,745,830	127,557,616	115,392,189
Water Billing Penalties	1,772,802	1,727,213	1,537,991
Investment Earnings	1,026,337	1,977,259	6,568,651
System Capacity	2,821,000	2,987,186	4,939,564
Sewer Billing Charges	5,648,001	5,796,878	8,462,673
Master Service Fees	389,160	741,917	274,837
Other Revenue	4,638,738	1,983,692	2,859,250
Revenues Before Transfers	152,041,868	142,771,761	140,035,155
Other Fund Transfers	0	0	2,778,720
Revenues After Transfers	152,041,868	142,771,761	142,813,875
<i>Expenditures</i>			
Personnel	42,686,447	42,224,377	45,958,534
Supplies and Materials	3,749,520	3,766,106	4,565,047
Chemicals	15,711,799	17,245,549	14,180,166
Operations and Maintenance	6,981,275	7,543,285	9,178,826
Other Agencies	12,057,514	11,419,835	11,940,786
Electricity	8,195,536	7,627,614	6,566,750
Other	779,881	249,752	105,330
Capital Equipment	603,950	1,556,404	2,207,032
Debt Service	52,461,409	51,986,093	43,329,390
Water Share of DPU	3,405,740	3,600,703	3,295,602
Total Expenditures	146,633,070	147,219,717	141,327,464
Ending Cash Balance	6,707,107	1,298,310	5,746,266
Revenue Over Expenditures	\$5,408,798	(\$4,447,956)	\$1,486,411

City Council and Advisory Board

City Council is the legislative branch of the City of Columbus with the responsibility of adopting annual operating and capital budgets, 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 the Mayor, a City Auditor and City Attorney. Council members also serve as chairs for various departmental committees to oversee operations and legislation.

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



Columbus City Council Members (from left): Michelle Mills, A. Troy Miller, Priscilla Tyson, President Andrew Ginther, President Pro-Tem Hearcel Craig, Zachary Klein, and Public Utilities Committee Chair Eileen Y. Paley.

The city formed the Columbus 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.

2010 Sewer and Water Advisory Board Members:

Wallace C. Giffen, Chair
Robert Clemons
Joseph Maskovyak
Margaret Ann Samuels
Hugh J. Dorrian, City Auditor
Tatyana Arsh, Dept. of Public Utilities Director
Paul Rakosky, Department of Finance 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.

Special thanks to our staff photographers: Dave Canup, Don Cruden, Laura Young Mohr, Susan Oehler, Lois Wachtman and George Zonders.