



Metro Codes

E—News For Professionals

Metropolitan Government of Nashville and Davidson County

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Piedmont Natural Gas Opens New Operations Center in Donelson



Owners of flood-damaged single family residential properties may be able to receive their flood repair permits online, with no visit to the Codes department required.

[Apply for Single Family Residential Flood Repair Permits](#)

Piedmont Natural Gas Opens New Operations Center in Donelson

New facility to house about 200 Piedmont employees

The new Piedmont Natural Gas Tennessee Operations Center, located in Century City, is the Company's latest state-of-the-art, LEED-certified facility and represents the Company's continuing commitment to building and operating environmentally sustainable facilities within its service areas. The building, for which a final LEED-certification level is still being determined, has earned enough points at this time to qualify for a Gold rating.

Piedmont Natural Gas' new facility was built in order to provide better service and maintenance to its approximately 170,000 Metropolitan Nashville customers. Built to capitalize on industry best practices, the form, material choices and site placement for the facility were based on the science of filtration and sustainable design. The concept of "Filtration" is used throughout the 44,000-square-foot building, from circulation patterns to the solar screening devices and reflects a high priority on energy efficiency. The innovative design utilized for the facility will further serve as an educational tool and model for future projects in other communities served by Piedmont Natural Gas.

The new facility consists of offices, training areas and warehouse space situated on 13 acres out of an overall 31-acre site. Eighteen acres on the site are permanently set aside as an open space with Sims Branch, an urban wetland, and an unnamed tributary making up the eastern boundary of the property. The grounds of the facility also offer a pedestrian trail and bridges, observation decks with informational signs and a water-controlling device to help manage the ecosystem. The preservation of the wetland area and consideration of the tributaries and their ecosystems were major factors in the site design strategy.

The center itself includes a large multi-functional assembly room and commercial kitchen and has a large service yard that houses raw materials storage in covered and protected bunkers. Also on site are a vehicle wash station, natural gas fueling connections for natural gas vehicles, and additional storage for maintenance materials and equipment.



Piedmont Natural Gas New Operations Center

Some of the more unique aspects of Piedmont's new facility include:

A steel frame building structure with internal steel cross bracing, all of which are manufactured with recycled content. The building envelope consists of insulated metal panels, which are cradle-to-cradle certified and offer a high insulation value while minimizing the materials used in the exterior wall assembly. The building's aluminum storefront and curtain wall window systems also contain a high degree of recycled content.

Primary roof material of white thermoplastic polyolefin, which is high in solar reflectivity. This reduces the heat island effect, which can raise the localized temperature and intensify air pollution on the site. A portion of the roof is a "Green Roof," featuring a vegetated area with heat-absorbing plants, shrubs and small trees that cool the air and provide insulating benefits and aesthetic appeal.

Landscaping that utilizes native plant species with high drought tolerances. These plants attract native wildlife, reduce water demand for irrigation and help minimize environmental impacts from fertilizers and pesticides. Harvested rain and naturally occurring spring water is



Roof top solar hot water heating panels are used to provide the facility with hot water, using the thermal energy of the sun.



Solar powered, exterior lighting system designed to reduce the facilities carbon footprint by using free solar energy to light the exterior spaces of the facility.

collected and stored in twin 30,000-gallon below-grade cisterns to irrigate the landscaping.

Exterior site lighting designed to reduce light pollution by preventing light trespass beyond the property boundary lines. The interior lighting fixtures were also designed to prevent light from travelling outside the building.

Maximum use of natural light inside the building to reduce the dependency on artificial lights. On the east side of the center, there is a permanent shading canopy structure with sensor-operated, motorized solar shade screens to control glare. The sensors are integrated into the Building Automation System and can adjust the shade screens during the day to optimize the performance of the mechanical and electrical systems. *This is one of the first systems of its kind to be installed and will be a benchmark for the industry.* The individual interior offices are also illuminated with natural light using roof-top tubular skylights that funnel light into these core areas.

Plumbing fixtures designed to consume very little water and to reduce water costs. Water use at the Operations Center is projected to be 95,275 gallons of water per year and represents a total water savings of 34 percent per year when compared to typical office building standards for facilities of similar size and function.

An HVAC system that is a central, variable-volume air-handling system using chilled water for cooling and hot water for heating. The system is designed to maximize occupant comfort and minimize energy usage. A 100 percent economizer takes advantage of natural cooling when weather permits, while Demand Control Ventilation monitors CO2 inside the building and adjusts the volume of outside air to maintain good air quality. No ozone depleting Chlorofluorocarbons (CFC's) are used as coolants in the mechanical systems. The domestic hot water system is supplemented with a solar hot water system.



Detail of the "Green Roof" that features a vegetated area with heat absorbing plants, shrubs and small trees that will cool the air and provide insulating benefits and aesthetic appeal.

As part of its commitment to green and sustainable safety concepts, the Code Council is excited to present a new set of green codes under its initiative entitled "IGCC: Safe and Sustainable by the Book." This initiative includes the ANSI/ASHRAE/USGBC/IES Standard 189.1 as a jurisdictional requirement option, and the collaboration of the Council's closest allies and pre-eminent thought leaders in green building, as well as input from our members and the general public. The IGCC initiative was launched in 2009 with Cooperating Sponsors the American Institute of Architects (AIA) and ASTM International. The work of the ICC/AIA/ASTM team in developing the IGCC was joined by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the U.S. Green Building Council (USGBC) and Illuminating Engineering Society (IES).

2010 IGCC Public Comment Hearings Schedule is now available. [Click here](#) to view it.

The Westin O'Hare in Rosemont, Illinois, will be the host of the 2010 IGCC Public Comment Hearings taking place over the dates of August 14-22. Westin O'Hare offers modern meeting and event space – all equipped with High Speed Internet access as well as 525 accommodating guest rooms.

*****NOTICE: ICC requires that facilities are in compliance with the Americans with Disabilities Act regulations. ICC will provide auxiliary aids and special services upon request. Please contact Jackie Claus at jclaus@iccsafe.org of your needs.*****

When	Where	RSVP
Event Starts: Saturday, August 14, 2010	The Westin O'Hare Rosemont, Illinois	July 30, 2010
Event End: Sunday, August 22, 2010		REGISTER NOW

New Limits For Length of Dryer Ducts



The 2006 Edition of the International Mechanical Code and the 2006 Edition of the International Residential Code which Metro Nashville adopted both limited the allowable length of clothes dryer vents to 25 feet.

Clothes dryer technology has advanced to the point that the 2009 Edition of the same Codes extended the allowable lengths to 35 feet, much of this technology is owed to the desires of designers to be able to locate laundry rooms closer to the central core of the buildings and thus preserving the exterior walls for window views from the living spaces. In response to this Metro Nashville has passed an ordinance which amends the current Code to allow the effective length of clothes dryer duct systems to be extended from 25 feet to 35 feet in length. The actual Code section for each is copied below.

B. Section M1502.6 of the 2006 Edition of the International Residential Code is amended by deleting Section M1502.6 and substituting the following:

M1502.6 Duct length.

The maximum length of a clothes dryer exhaust duct shall not exceed 35 feet (7620 mm) from the dryer location to the wall or roof termination. The maximum length of the duct shall be reduced 2.5 feet (762 mm) for each 45-degree (0.8 rad) bend and 5 feet (1524 mm) for each 90-degree (1.6 rad) bend. The maximum length of the exhaust duct does not include the transition duct.

Exceptions:

1. Where the make and model of the clothes dryer to be installed is known and the manufacturer's installation instructions for the dryer are provided to the building official, the maximum length of the exhaust duct, including any transition duct, shall be permitted to be in accordance with the dryer manufacturer's installation instructions.

2. Where large-radius 45-degree (0.8 rad) and 90-degree (1.6 rad) bends are installed, determination of the equivalent length of clothes dryer exhaust duct for each bend by engineering calculation in accordance with the ASHRAE Fundamentals Handbook shall be permitted.

Metro Nashville has passed an ordinance which amends the current Code to allow the effective length of clothes dryer duct systems to be extended from 25 feet to 35 feet in length

Section 2. That Section 16.16.260 of the Metropolitan Code of Laws, International Mechanical Code—Local Amendments, is hereby amended by adding a new subsection E as follows and re-lettering the subsequent subsections accordingly:

E. Section 504.6.1 of the 2006 Edition of the International Mechanical Code is amended by deleting Section 504.6.1 and substituting the following:

504.6.1 Maximum length.

The maximum length of a clothes dryer exhaust duct shall not exceed 35 feet (7620 mm) from the dryer location to the outlet terminal. The maximum length of the duct shall be reduced 2½ feet (762 mm) for each 45 degree (0.79 rad) bend and 5 feet (1524 mm) for each 90 degree (1.6 rad) bend. The maximum length of the exhaust duct does not include the transition duct.

Exception: Where the make and model of the clothes dryer to be installed is known and the manufacturer's installation instructions for such dryer are provided to the building official, the maximum length of the exhaust duct, including any transition duct, shall be permitted to be in accordance with the dryer manufacturer's installation instructions.

Prior to the passing of this ordinance the only option that designers had to use dryer duct systems with longer than the 25 foot effective lengths was to file an appeal with the Board of Mechanical/Gas Examiners and Appeals. This new amendment will streamline the design process by using 35 feet for new dryer vent effective lengths.

Construction Update—Music City Center



Construction is under way on Nashville's new convention center, Music City Center. Plans call for the facility to be built out at approximately 1.2 million square feet and feature a 350,000-square-foot exhibit hall acoustically designed to double as a concert hall, more than 50 meeting rooms, two ballrooms and approximately 36 loading docks for the ultimate in flexibility and ease.

The center is scheduled for completion in 2013, and convention planners are already reserving their dates."

GAS/MECHANICAL LICENSE RENEWALS

It's that time of the year again to renew your 2011 Metropolitan Davidson County Gas/Mechanical License.

All Gas/Mechanical Licenses such as Metro Master Mechanical, HVAC&R, Gas & Appliance, as well as all State Mechanical licenses will expire on September 30, 2010. Failure to renew your license will result in a late fee per month if left unpaid. Please remember that if your license expired on September 30, 2009, your license will be considered Null and Void effective September 30, 2010.

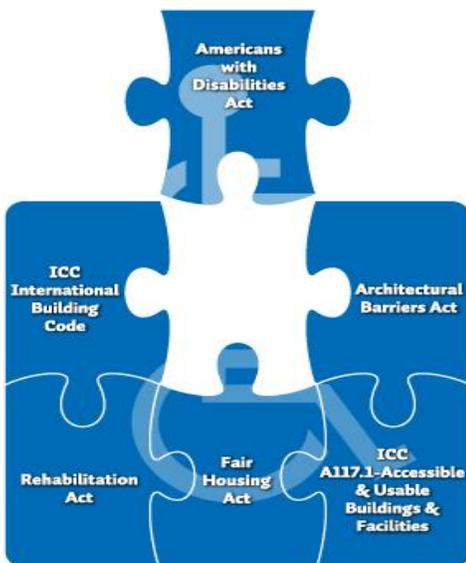
All Gas/Mechanical License renewals will be mailed August 16, 2010, which will have your name, address as well as your License Number on the form. All you have to do is complete the form and tear off the bottom portion and mail back to our office. Your License renewal can be paid with check or money order.

Please make your check or money order payable to The Metropolitan Government and please mail the Renewal Fee and form to:

Department of Codes & Building Safety
Licensing Division
Metro Office Building
P. O. Box 196300
Nashville, Tennessee 37219-6300

If you are unsure about the status of your license, please contact Ms. Sharon Stephens in the Administrative Office at (615) 862-6598.

ADA Marks 20th Anniversary in a Journey that Began with Accessibility Standards, Codes



Monday, July 26th marked the 20th anniversary of the Americans with Disabilities Act (ADA), which has improved access in the built environment. President George H.W. Bush signed “the world’s first comprehensive declaration of equality for people with disabilities” into law on July 26, 1990. The Americans with Disabilities Act represented landmark civil rights legislation which

prohibits discrimination and promotes equal opportunity for more than an estimated 50 million disabled Americans.

The ADA also mandated minimum accessibility standards for the inclusion of the disabled in public buildings, the workplace and other areas.

Long before the ADA was enacted, the International Code Council and its founding members were working to address disability needs through changes to building and fire safety codes.

In fact, the Code Council’s model codes began to address accessibility in buildings as early as 1975, 15 years before the ADA was enacted. In addition to codes, ICC A117.1 Accessible and Usable Buildings and Facilities is a nationally recognized standard of technical requirements for making buildings accessible.

First published in 1961, A117.1 is referenced by many federal documents and state accessibility laws. ICC (through its precursor organization the Council of American Building Officials) has been responsible for maintaining and updating the document since 1987. An update of the standard is expected this year. To support use of the ICC A117.1 standard, the ICC also provides commentaries, written and verbal interpretations, and Web-based and classroom accessibility training for design, construction and inspection professionals.

“Federal agencies, state and local governments, codes and standards organizations, the construction industry and disability advocacy groups have worked together to make buildings accessible and safe,” said International Code Council CEO Richard P. Weiland. “The Code Council, at the request of the U.S. Department of Housing and Urban Development, became responsible for the ICC A117.1 accessibility standard in the late 1980s.”

14th Annual Metro Codes Charity Golf Tournament

The 14th Annual Metro Codes Golf Tournament will be held Saturday, October 2, 2010 at the Ted Rhodes Golf Course in Nashville, Tennessee. All proceeds will be donated through the Metro Employees Consolidated Charities Campaign for the benefit of Easter Seals Summer Camp Programs, and the Harris-Hillman School.

**SATURDAY
OCTOBER 2, 2010**

**TED RHODES GOLF COURSE
NASHVILLE
1901 ED TEMPLE BLVD.
NASHVILLE, TENNESSEE**



Play Day

Saturday October 2, 2010.....

7:00 a.m. Registration.....

8:00 a.m. Shotgun Start

Four-man Scramble—2 Flights.....

Teams selected by "Luck of the Draw"

Lunch Included

Fees

\$60.00 entry fee includes green fees, cart, lunch and prizes!

Sponsorships

\$100 - Hole Sponsor

\$300 - Longest Drive Sponsor

\$300 - Closest to the Pin Sponsor

\$500 - Gold Sponsor

\$750 - Lunch Sponsor

\$1,000 - Beverage Cart Sponsor

\$1,000 - * Platinum Exclusive Hole Sponsor

*Includes 4 Golf Registrations

Sign up

Sponsorship Type: _____ Sponsor Amount: \$ _____

Name _____ Address _____

City _____ State _____ Zip _____ Telephone _____ Email _____

PLEASE LIST PLAYERS WITH EMAIL ADDRESS @ \$60.00 each:

Make Checks Payable to F.A.M.C, c/o Jim Winchester, Mid-South Electric,
863 Granada Avenue, Nashville, TN. 37206



JOIN US FOR THE DAY

**Department of
Codes & Building Safety**

Metro Office Building
800 2nd Ave., South
Nashville, TN 37210
615-862-6590 / Fax 862-6593

Mayor—Karl F. Dean

Director—Terrence Cobb

Office Hours: Mon-Fri /
7:30-4:00



For information regarding
accessibility, please contact
Manley Biggers
at (615) 862-6521 or fax (615)
862-6499.

He can also be reached at:
manley.biggers@nashville.gov



PASS IT ON!

Pass the word about our newsletter! We would be honored if you would share our newsletter with your colleagues and co-workers. If anyone would like to sign up to receive it themselves, they just need to send us their email, and we will be happy to "Pass it On" to them.

Terry Cobb and Wade Hill welcome your feedback on our e-newsletter. Please send your comments to Wade Hill, at wade.hill@nashville.gov
Plans Examination Chief , 862-6520

**Save The Date
October 2nd
Codes Announces
Annual Golf Tournament**

The 14th Annual Metro Codes Char-ity Golf Tournament will be held on October 2, 2010 at the Ted Rhodes Golf Course.

Last year's tournament, through the support of 128 golfers and 99 sponsors, resulted in \$23,000 being donated to local charities through the Metro Employees Consolidated Charities Campaign (MECCC).

This year, all proceeds will again go to the MECCC for the benefit of local charities, Easter Seals Camp Programs and the Harris-Hillman School.

