

*Metro DES provides clean, affordable heating and cooling for the Tennessee State Capitol and other buildings of the complex. We work in partnership with the Metro DES staff to ensure that service is consistent and within parameters and to collaborate when there are maintenance needs or concerns. I have points of contact for emergency situations, and they are extremely responsive.*

**David Carpenter,**  
Building and facilities management specialist,  
Tennessee State Capitol

*The system helps us provide a proper environment for learning. We are thrilled to be a part of such a collaborative energy system. Partnerships like this can only make our community stronger.*

**Dr. Kelly Hargis,**  
Principal,  
Hume-Fogg Magnet High School

*The historic collection storage areas in the Tennessee State Library require constant monitoring for temperatures and humidity levels. We depend on Metro DES to help us maintain these critical levels. We are in close communication with DES representatives to assure that our steam, condensate return, and chilled-water systems and equipment are maintained properly, working together on projects where the state shares responsibility with Metro in maintaining these systems. Also, for the safety of the collections, it is a plus that Metro DES is the power plant for this facility "off-site" with no gas-fired boilers on-site.*

**Brooks Crowell,**  
Facility director,  
Tennessee State Library and Archives

## Metro Nashville District Energy System



**For more information, call:**

Constellation NewEnergy, Inc.  
(615) 742-1883

[www.nashville.gov/des](http://www.nashville.gov/des)



**Metro Nashville**  
DISTRICT ENERGY SYSTEM

The award-winning Metro Nashville District Energy System provides efficient, economical, dependable and environmentally friendly heating and cooling to downtown buildings.

Since December 2003, the DES facility has been providing service to more than 40 buildings, and has the ability to accommodate more downtown buildings. If you are the owner, manager or developer of a downtown building, then consider becoming part of the District Energy System. The benefits can be dramatic, and the savings significant.

A district energy system provides heating and cooling from a central plant to multiple users. In Nashville, steam and chilled water are produced at a central energy generation facility and then distributed through an underground system of pipes connected to buildings. District energy systems have become a critical component of downtown infrastructure in many major metropolitan areas, including New York City, Washington, D.C., and Chicago. Nashville's system was among the first in the nation when it began operation in 1974.

# What are the benefits for DES customers?

## Savings on heating and cooling costs.

Metro DES strives to provide customers with energy rates below what their costs would be to purchase, install, operate and maintain their own internal heating and cooling generation systems.

Additionally, DES' ability to purchase natural gas in bulk at set costs helps protect customers from extreme price fluctuations in the volatile natural gas market.

## Savings on up-front capital costs.

New building owners who choose to connect to DES enjoy significant savings by eliminating the costs of designing, buying, permitting and installing on-site chillers, cooling towers, boilers or an electric resistant heating system.

## Better use of space.

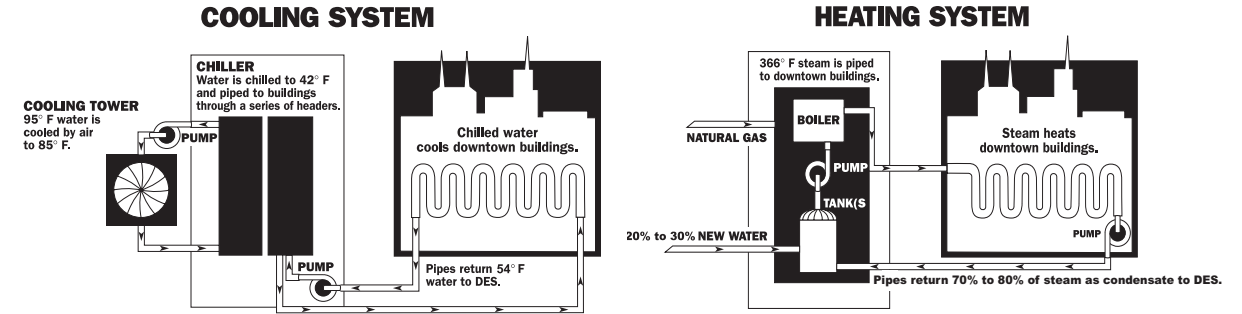
Without the need for on-site boilers, chillers and cooling towers or condenser units, a building owner can significantly increase a property's useable square footage, creating valuable and attractive, revenue-generating space and removing a source of indoor air contamination, mist-generating cooling towers and unsightly condensing units.

## Easy transition from an HVAC system to DES.

For building owners who replace their aging chillers, cooling towers and boilers by converting to district energy, the process of removing the old system and converting the space to useable square footage can provide a source of new revenue.

## DES is good for the community.

Each building owner using district energy is doing his or her part to reduce Nashville's overall energy consumption and coal-fired electricity usage, and promote a cleaner environment by enhancing its air quality and reducing Metro's carbon footprint.



# Metro Nashville District Energy System



- |   |                               |
|---|-------------------------------|
| 1 Parkway Towers                                    | 21 War Memorial Building      |
| 2 Bobby Hotel (formerly Wells Fargo)                | 22 Library and Archives       |
| 3 401 Union Building (formerly Regions Bank)        | 23 Supreme Court Building     |
| 4 Sheraton Hotel                                    | 24 State Capitol              |
| 5 Hermitage Hotel                                   | 25 James K. Polk Building     |
| 6 501 Building                                      | 26 Citizens Plaza Building    |
| 7 201 Fourth Ave. Building (formerly SunTrust Bank) | 27 Tennessee Tower            |
| 8 Fifth Third Financial Center                      | 28 Tennessee State University |
| 9 Renaissance Hotel                                 | 29 Tenn. Performing Arts Ctr. |
| 10 Renaissance Office Tower                         | 30 Legislative Plaza Building |
| 11 St. Mary's Church                                | 31 Rachel Jackson Building    |
| 12 Nashville City Center                            | 32 A.A. Birch Building        |
| 13 Wildhorse Saloon                                 | 33 Metro Courthouse           |
| 14 Ryman Auditorium                                 | 34 Municipal Auditorium       |
| 15 Schermerhorn Symphony Ctr.                       | 35 Criminal Justice Center    |
| 16 Viridian Tower                                   | 36 Convention Center          |
| 17 Andrew Jackson Building                          | 37 Bridgestone Arena          |
| 18 Ben West Building                                | 38 Nissan Stadium             |
| 19 Cordell Hull Building                            | 39 Hume-Fogg School           |
| 20 John Sevier Building                             | 40 Nashville Public Library   |
|   | 41 Music City Center          |
|   | 42 Nashville Hyatt Place      |

To discuss how DES could be beneficial to you, contact us:  
[www.nashville.gov/des](http://www.nashville.gov/des)