

## Metro Nashville District Energy System



For more information, call:

Constellation Energy Projects and Services Group, LLC

(615) 742-1883

or visit

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

# Feel the Energy!



**Metro Nashville**  
DISTRICT ENERGY SYSTEM

"The GEC facility itself is large. We host a variety of events that draw different size crowds, and we also maintain an ice surface for hockey games. For those reasons the demands on our heating and cooling systems are very complex. DES is always dependable and is a crucial element to our keeping customers and employees comfortable."

Jim Greer

Vice President and Assistant General Manager,  
Gaylord Entertainment Center

"I was very impressed with the seamless transition from Thermal to DES, and I am continually impressed with its reliability and efficiency. As a customer, I find it very comforting to know that the staff at DES is always working diligently to provide service with little or no disruption."

Debra Howell

Senior Facility Manager,  
Regions Bank

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 new DES facility has been providing service to more than 40 customers, and has the ability to accommodate many 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 infrastructures in many major metropolitan areas, including New York City, Washington, D.C., and Chicago, and 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.

Energy rates for DES customers are 10 percent below what their costs would be to purchase, install, operate and maintain their own internal heating and cooling 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 their own heating and air conditioning systems.

### ► Savings on operating costs.

Once connected to DES, the cost of maintaining a building's internal energy distribution system - including mechanical repairs and labor - is a fraction of the cost of an internal standalone system and is much more reliable.

### ► Better use of space.

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

### ► Easy transition from an HVAC system to DES.

For building owners who replace their aging self-heating and cooling equipment by converting to district energy, the process of removing the old system and converting the space to useable square footage is fairly easy.

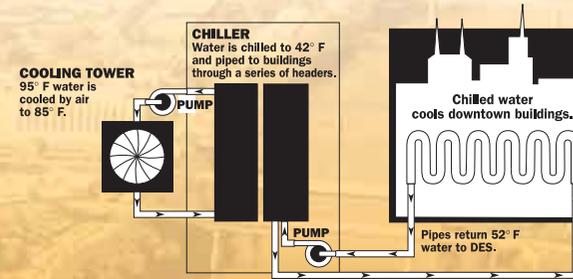
### ► DES is good for the community.

Each building owner using district energy is doing his or her part to lower Nashville's overall electricity costs, reduce its energy consumption, and promote a cleaner environment by enhancing its air quality.

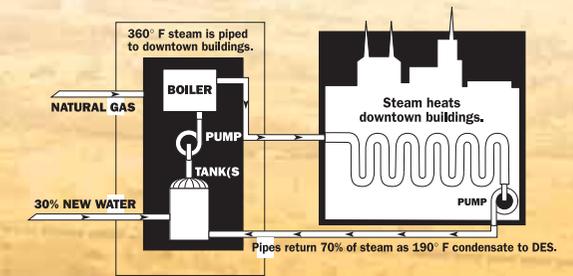
To discuss how DES could be beneficial to you, contact us:

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

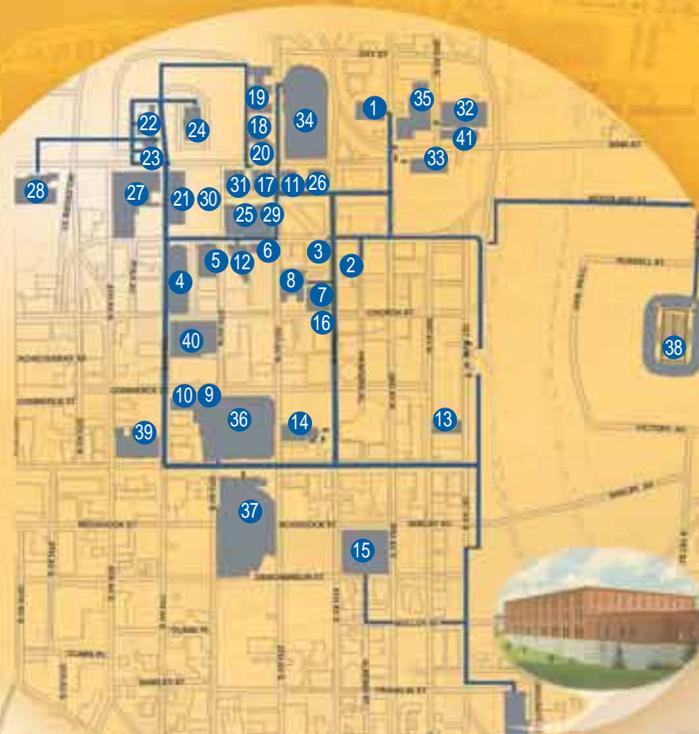
### COOLING SYSTEM



### HEATING SYSTEM



## Metro Nashville District Energy System



- |                               |                               |
|-------------------------------|-------------------------------|
| 1 Parkway Towers              | 21 War Memorial Building      |
| 2 South Trust                 | 22 Library and Archives       |
| 3 Regions Bank                | 23 Supreme Court Building     |
| 4 Sheraton Hotel              | 24 State Capitol              |
| 5 Hermitage Hotel             | 25 James K. Polk Building     |
| 6 501 Building                | 26 Citizen's Plaza Building   |
| 7 SunTrust Bank               | 27 Tennessee Tower            |
| 8 Financial Center            | 28 Tennessee State University |
| 9 Renaissance Hotel           | 29 Tenn. Performing Arts Ctr. |
| 10 Renaissance Office Tower   | 30 Legislative Plaza Bldg.    |
| 11 St. Mary's Church          | 31 Rachel Jackson Bldg.       |
| 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 Gaylord Entertainment Ctr. |
| 18 Central Services           | 38 Nashville Coliseum         |
| 19 Cordell Hull Building      | 39 Hume Fogg School           |
| 20 John Sevier Building       | 40 Nashville Public Library   |
|                               | 41 Ben West Building          |