



## Spotlighting Industry Growth



# District Energy Space '11

*More than 81 million square feet reported*

# District Energy Space '11

*Dedicated to the growth and utilization of district energy as a means to enhance energy efficiency, provide more sustainable and reliable energy infrastructure, and contribute to improving the global environment.*

## Industry Growth Around the World

The publication of *District Energy Space* has become an annual tradition for the International District Energy Association since 1990. The 2011 issue features a compilation of data provided by our members including the number of buildings and their area in square feet that have been committed or recommitted to district energy service in North America and beyond North America during the calendar year 2011, or previously unreported for recent years.

Established in 1909, the International District Energy Association (IDEA) serves as a vital communications and information hub for the district energy industry, connecting industry professionals and advancing the technology around the world. With headquarters just outside of Boston, Mass., IDEA comprises over 1,500 district heating and cooling system executives, managers, engineers, consultants and equipment suppliers from 23 countries. IDEA supports the growth and utilization of district energy as a means to conserve fuel, increase energy efficiency and reduce emissions to improve the global environment.

Each year, IDEA asks all of its member systems to provide information on buildings that committed or recommitted

to district energy service during the previous calendar year. For each building, *District Energy Space* provides the following information:

- Building name and type
- Service provider's name and location
- Building area in square feet (where available)
- Services provided (heating, domestic hot water, laundry, cooling, ice-making, pool warming, etc.)

*District Energy Space* not only enables IDEA to document the year-to-year growth experienced by our member systems, but also can be a valuable marketing asset for your organization. All systems submitting entries will receive an IDEA Certificate of Participation. During the IDEA 103rd Annual Conference in Chicago, Illinois June 29–July 2, 2012, IDEA will congratulate and present awards to those systems submitting the greatest amount of total square footage and the greatest number of total buildings for 2011 for both North America and Beyond North America.

*District Energy Space* 2011 and previous issues are available in PDF format by downloading from IDEA's Web site, <http://www.districtenergy.org/district-energy-space>.

## Summary for 2011

District Energy system growth has been good, despite the challenging global economy. Our members reported that 139 customer buildings in North America totaling 23,725,157 sq ft of building space were committed or recommitted to district energy service during 2011, or were previously unreported. That compares with 121 buildings and 23,333,939 square feet during 2010.

The North American total of 23,725,157 sq ft added to IDEA's running total of square footage of 518,461,287 sq ft committed to North American district energy systems since 1990, brings the current total for North America reported since 1990 to 542,186,444 sq ft.

IDEA is also pleased to be able to report strong system growth from beyond North America. An additional 879 buildings and 57,547,901 sq ft were reported for 2011.

That compares with 1,009 buildings and 123,850,583 sq ft during 2010.

## Stand Up and Be Recognized for 2012

Make plans now to photograph and enter your customer buildings that commit or recommit for your district energy service during 2012! The deadline for submittal of buildings for 2012 is **Fri., April 19, 2013**.

Continuing our tradition, during the IDEA 103rd annual conference in Chicago, Illinois June 30–July 3, 2011, IDEA will congratulate and present awards to those systems submitting the greatest amount of total square footage and the greatest number of total buildings for 2011 for both North America and Beyond North America. We look forward to seeing you there!

### 2011 New Square Footage Reported

Category	North America	Beyond North America
Commercial-Mixed Use	3,775,000	30,390,068
Commercial-Office	6,549,550	4,416,488
Commercial-Retail/Manufacturing	152,253	1,580,053
Commercial-Other	374,477	651,669
Entertainment, Cultural or Sporting Center	639,618	0
Government	4,201,928	0
Hotel	1,541,500	5,078,980
Residential	1,164,000	13,717,913
School, Hospital or Institution	4,653,107	0
Other	510,000	1,712,731
<b>Square Footage Reported 2010</b>	<b>23,725,157</b>	<b>57,547,902</b>

### 2011 Total Reported in North America and Beyond North America

**81,273,058**

## Commercial–Mixed Use

- **American Building**  
Citizens Thermal  
Indianapolis, IN  
65,000 sq ft  
Space heating, space cooling
- **Cadillac Square Apartments**  
Detroit Thermal  
Detroit, MI  
10,000 sq ft  
Space heating
- **Carestream Health**  
Rochester District Heating  
Cooperative  
Rochester, NY  
403,000 sq ft  
Space heating
- **Data Center**  
Thermal Chicago Corporation  
Chicago, IL  
100,000 sq ft  
Space cooling
- **Biotechnology Company**  
Veolia Energy N.A.–Boston System  
Boston  
750,000 sq ft  
Space heating, space cooling, domestic hot water, humidification, process, kitchen
- **Mixed–Use Complex**  
Veolia Energy N.A.–Boston System  
Boston, MA  
2,300,000 sq ft  
Space heating, domestic hot water
- **Mixed–Use Complex**  
Veolia Energy N.A.–Boston System  
Boston, MA  
90,000 sq ft  
Space heating, domestic hot water
- **Mixed–Use Complex**  
Veolia Energy N.A.–Boston System  
Boston, MA  
57,000 sq ft  
Space heating

## Commercial–Office

- **Commercial Office Building**  
Con Edison Steam Operations  
New York, NY  
604,920 sq ft  
Space heating, domestic hot water
- **Commercial Office Building**  
Con Edison Steam Operations  
New York, NY  
248,700 sq ft  
Space heating, domestic hot water
- **JP Morgan Chase Tower**  
Rochester District Heating  
Cooperative  
Rochester, NY  
500,000 sq ft  
Space heating
- **The Monroe Building**  
Rochester District Heating  
Cooperative  
Rochester, NY  
16,000 sq ft  
Space heating
- **Alexander Monroe Realty**  
Rochester District Heating  
Cooperative  
Rochester, NY  
100,000 sq ft  
Space heating
- **Bausch and Lomb**  
Rochester District Heating  
Cooperative  
Rochester, NY  
460,517 sq ft  
Space heating
- **Office Building**  
Thermal Chicago Corporation  
Chicago, IL  
357,000 sq ft  
Space cooling



EcoLab University (credit: Ecolab)

- **Ecolab University**  
District Energy St. Paul  
Saint Paul, MN  
151,000 sq ft  
Space cooling

## Commercial–Retail/Manufacturing

- **Office**  
Austin Energy  
Austin, TX  
141,753 sq ft
- **Commercial–Retail/Manufacturing**  
Con Edison Steam Operations  
New York, NY  
7,500 sq ft  
Space heating
- **Store**  
Thermal Chicago Corporation  
Chicago, IL  
3,000 sq ft  
Space cooling



## Commercial–Other

- **Bell Canada**  
Markham District Energy  
Markham, ON, Canada  
25,000 sq ft  
Space heating, space cooling,  
process
- **South Clinton Avenue Pavilion**  
Rochester District Heating  
Cooperative  
Rochester, NY  
2,500 sq ft  
Space heating
- **Commercial building**  
Veolia Energy N.A.—Philadelphia  
System  
Philadelphia, PA  
346,977 sq ft  
Space heating

## Entertainment, Cultural or Sporting Center

- **Indiana War Memorial**  
Citizens Thermal  
Indianapolis, IN  
40,000 sq ft  
Space heating, space cooling



Indiana War Memorial

- **Entertainment, Cultural or Sporting Center**  
Con Edison Steam Operations  
New York, NY  
26,600 sq ft  
Space heating, domestic hot water
- **Entertainment, Cultural or Sporting Center**  
Con Edison Steam Operations  
New York, NY  
30,000 sq ft  
Space heating, domestic hot water,  
humidification
- **Entertainment, Cultural or Sporting Center**  
Con Edison Steam Operations  
New York, NY  
200,000 sq ft  
Space heating, domestic hot water,  
humidification
- **Weisman Art Museum**  
University of Minnesota, Twin Cities  
Minneapolis, MN  
6,018 sq ft  
Space heating
- **Theatre**  
Veolia Energy N.A.—Baltimore System  
Baltimore, MD  
28,000 sq ft  
Space heating
- **Entertainment Center**  
Veolia Energy N.A.—Boston System  
Boston, MA  
154,000 sq ft  
Space heating, domestic hot water
- **Art Gallery**  
Veolia Energy N.A.—Philadelphia  
System  
Philadelphia, PA  
93,000 sq ft  
Space heating
- **Opera House**  
Trigen—St. Louis Energy  
St. Louis, MO  
34,000 sq ft  
Space heating



402 University Avenue East (credit: Gallop Studios)

## Government

- **FOB 8 (FDA)**  
U.S. General Services  
Administration—Heating Operations  
and Transmission Division (HOTD)  
Washington, DC  
1,612,962 sq ft  
Space heating, domestic hot water
- **Sydney Yates (Auditors Building)**  
U.S. General Services  
Administration—Heating Operations  
and Transmission Division (HOTD)  
Washington, DC  
342,108 sq ft  
Space heating, domestic hot water
- **Superior Court D**  
U.S. General Services Administration—  
Heating Operations and Transmission  
Division (HOTD)  
Washington, DC  
163,858 sq ft  
Space heating, domestic hot water
- **402 University Avenue East Building**  
District Energy St. Paul  
Saint Paul, MN  
38,000 sq ft  
Space heating

### Government - cont.

#### ■ Union Depot

District Energy St. Paul  
Saint Paul, MN  
190,000 sq ft  
Space heating, space cooling

#### ■ Government Building

Veolia Energy N.A. – Kansas City  
System  
Kansas City, MO  
1,200,000 sq ft  
Space heating

#### ■ Courthouse (new)

Veolia Energy N.A.–Trenton System  
Trenton, NJ  
100,000 sq ft  
Space heating, space cooling,  
domestic hot water

#### ■ Courthouse (renewal)

Veolia Energy N.A.–Trenton System  
Trenton, NJ  
100,000 sq ft  
Space heating, space cooling,  
domestic hot water



*City Way Hotel*



*Union Depot (credit RamseyCoRegRRAAuth)*



*Lofts at Farmers Market (credit: UrbanWorks)*



*Hilton Suites Toronto/Markham*

### Hotel

#### ■ Hotel

Austin Energy  
Austin, TX  
155,799 sq ft

#### ■ City Way Hotel

Citizens Thermal  
Indianapolis, IN  
150,000 sq ft  
Space cooling

#### ■ Hilton Suites Toronto/Markham

Markham District Energy  
Markham, ON, Canada  
400,000 sq ft  
Space heating, space cooling, domestic  
hot water

#### ■ Hotel Palomar

NRG Energy Center Phoenix LLC  
Phoenix, AZ  
165,000 sq ft  
Space cooling

#### ■ Hotel

Thermal Chicago Corporation  
Chicago, IL  
250,000 sq ft  
Space cooling

#### ■ Hotel

Veolia Energy N.A.–Boston System  
Boston, MA  
436,500 sq ft  
Space heating, domestic hot water

#### ■ Hotel

Veolia Energy N.A.–Boston System  
Boston, MA  
200,000 sq ft  
Space heating

#### ■ Hotel

Veolia Energy N.A.–Philadelphia  
System  
Philadelphia, PA  
140,000 sq ft  
Space heating, domestic hot water

#### ■ Cadillac Square Apartments

Detroit Thermal  
Detroit, MI  
122,000 sq ft  
Space heating

#### ■ The Benchmark Town Manors

Markham District Energy  
Markham, ON, Canada  
108,000 sq ft  
Space heating, space cooling, domestic  
hot water

#### ■ Lofts at Farmers Market

District Energy St. Paul  
Saint Paul, MN  
82,000 sq ft  
Space heating, domestic hot water

#### ■ Condo

Thermal Chicago Corporation  
Chicago, IL  
800,000 sq ft  
Space cooling

## School, Hospital, Institution

### ■ Neuroscience Center of Excellence

Citizens Thermal  
Indianapolis, IN  
250,000 sq ft  
Space cooling



*Human Development Center, Louisiana State University*

### ■ School, Hospital, Institution

Con Edison Steam Operations  
New York City, NY  
49,000 sq ft  
Space heating, domestic hot water



*Richard T. Farmer School of Business, Miami University of Ohio*



*Health, Science & Education Building, NRG Energy Center Phoenix*

### ■ School, Hospital, Institution

Con Edison Steam Operations  
New York City, NY  
100,000 sq ft  
Space heating, space cooling,  
domestic hot water, kitchen



*Energy Center, Eastern Illinois University*



*St. Paul United Hospital (credit: United Hospital)*

### ■ School, Hospital, Institution

Con Edison Steam Operations  
New York City, NY  
50,000 sq ft  
Space heating, domestic hot water

### ■ School, Hospital, Institution

Con Edison Steam Operations  
New York City, NY  
400,000 sq ft  
Space heating, domestic hot water,  
humidification

### ■ Energy Center

Eastern Illinois University  
Charleston, IL  
19,000 sq ft  
Space heating, space cooling  
(biogasification)

### ■ Louisiana State University Human Development Center

Entergy Solutions District Energy  
New Orleans, LA  
330,000 sq ft  
Space cooling

### ■ Richard T. Farmer School of Business

Miami University of Ohio  
Oxford, OH  
218,423 sq ft  
Space heating, space cooling, domestic  
hot water, humidification, kitchen

### ■ HSEB (Health, Science & Education Building)

NRG Energy Center Phoenix LLC  
Phoenix, AZ  
268,000 sq ft  
Space cooling

### ■ United Hospital (East & West Campus)

District Energy St. Paul  
Saint Paul, MN  
900,000 sq ft  
Space heating, domestic hot water

### ■ Garden View Medical Building

District Energy St. Paul  
Saint Paul, MN  
142,000 sq ft  
Space heating, domestic hot water

### ■ Doctor's Professional Building

District Energy St. Paul  
Saint Paul, MN  
80,984 sq ft  
Space heating, domestic hot water

### ■ Milton M. Hurwitz ExerCare Fitness Center

District Energy St. Paul  
Saint Paul, MN  
10,000 sq ft  
Space heating, domestic hot water

### ■ Center for Magnetic Resonance Research

University of Minnesota, Twin Cities  
Minneapolis, MN  
28,739 sq ft  
Space heating

### ■ Mayo Building & Additions

University of Minnesota, Twin Cities  
Minneapolis, MN  
461,404 sq ft  
Space heating



### School, Hospital, Institution - cont.

#### ■ Ritchie Medical Plaza

District Energy St. Paul  
Saint Paul, MN  
100,000 sq ft  
Space heating, domestic hot water



*Ritchie Medical Plaza (credit: United Hospital)*

#### ■ Church

Veolia Energy N.A.–Boston System  
Boston, MA  
65,000 sq ft  
Space heating, space cooling, kitchen

#### ■ Research Institute

Veolia Energy N.A.–Philadelphia System  
Philadelphia, PA  
92,237 sq ft  
Space heating, domestic hot water



*Hunter Smith Band Building, University of Virginia*

#### ■ College / University

Veolia Energy N.A.–Philadelphia System  
Philadelphia, PA  
213,350 sq ft  
Space heating, space cooling

#### ■ College / University

Veolia Energy N.A.–Philadelphia System  
Philadelphia, PA  
85,600 sq ft  
Space heating, space cooling

#### ■ Emily Couric Clinical Cancer Center

University of Virginia  
Charlottesville, VA  
146,000 sq ft  
Space heating, space cooling, domestic hot water, humidification, process

#### ■ University Bookstore Addition

University of Virginia  
Charlottesville, VA  
17,000 sq ft  
Space heating, space cooling, domestic hot water, humidification

#### ■ Hunter Smith Band Building

University of Virginia  
Charlottesville, VA  
16,375 sq ft  
Space heating, space cooling, domestic hot water, humidification

#### ■ Pavilion IX Renovation

University of Virginia  
Charlottesville, VA  
5,059 sq ft  
Space cooling

#### ■ Physical and Life Sciences Building

University of Virginia  
Charlottesville, VA  
100,000 sq ft  
Space heating, space cooling, domestic hot water, humidification, process

#### ■ Rice Hall

University of Virginia  
Charlottesville, VA  
100,000 sq ft  
Space heating, space cooling, domestic hot water, humidification

#### ■ Balz Dobie House

University of Virginia  
Charlottesville, VA  
66,013 sq ft  
Space heating, space cooling, domestic hot water, humidification



*Rice Hall, University of Virginia*



*Alderman Residences and Em Commons, University of Virginia*

#### ■ Watson Webb House

University of Virginia  
Charlottesville, VA  
62,279 sq ft  
Space heating, space cooling, domestic hot water, humidification

#### ■ Ern Commons

University of Virginia  
Charlottesville, VA  
6,671 sq ft  
Space heating, space cooling, domestic hot water, humidification



## North America – cont.

### School, Hospital, Institution - cont.

#### ■ Claudette McKay-Lassonde Pavilion

Western University  
London, ON Canada  
45,000 sq ft  
Space heating, space cooling,  
domestic hot water, humidification,  
other



*Claudette McKay-Lassonde Pavilion,  
Western University*

#### ■ Western Student Services Building

Western University  
London, ON Canada  
74,031 sq ft  
Space heating, space cooling,  
domestic hot water, humidification,  
other



*Western Student Services Building, Western  
University*

### Other

#### ■ Salem Church

Rochester District Heating Cooperative  
Rochester New York  
10,000 sq ft  
Space heating

#### ■ Church

Thermal Chicago  
Chicago, IL  
500,000 sq ft  
Space cooling

## Beyond North America

### Commercial–Mixed Use

#### ■ Alphamed

Emirates District Cooling  
Dubai, United Arab Emirates  
53,358 sq ft  
Space cooling

#### ■ BK Gulf

Emirates District Cooling  
Dubai, United Arab Emirates  
57,407 sq ft  
Space cooling

#### ■ Arabian Construction LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
68,079 sq ft  
Space cooling

#### ■ NAFCO

Emirates District Cooling  
Dubai, United Arab Emirates  
2,321 sq ft  
Space cooling

#### ■ Naseem Al Madina Trading LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
1,295 sq ft  
Space cooling

#### ■ Omis Contracting Bldg & Maintenance

Emirates District Cooling  
Dubai, United Arab Emirates  
3,397 sq ft  
Space cooling

#### ■ European Business Centre

Emirates District Cooling  
Dubai, United Arab Emirates  
274,321 sq ft  
Space cooling

#### ■ Unibeton Ready Mix LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
159,811 sq ft  
Space cooling

#### ■ Emirates Flight Catering

Emirates District Cooling  
Dubai, United Arab Emirates  
76,670 sq ft  
Space cooling

#### ■ Waha Investment LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
32,711 sq ft  
Space cooling

#### ■ Al Reem Real Estate

Emirates District Cooling  
Dubai, United Arab Emirates  
122,830 sq ft  
Space cooling

#### ■ Mammut Industries

Emirates District Cooling  
Dubai, United Arab Emirates  
22,969 sq ft  
Space cooling

## Beyond North America

### Commercial – Mixed Use - cont.

#### ■ International Construction (LL)

Emirates District Cooling  
Dubai, United Arab Emirates  
2,680 sq ft  
Space cooling

#### ■ Waha Investment LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
51,018 sq ft  
Space cooling

#### ■ Aal Mir Trading

Emirates District Cooling  
Dubai, United Arab Emirates  
30,698 sq ft  
Space cooling

#### ■ Arabian Construction LLC

Emirates District Cooling  
Dubai, United Arab Emirates  
79,339 sq ft  
Space cooling

#### ■ TRADE XME

Emirates District Cooling  
Dubai, United Arab Emirates  
41,183 sq ft  
Space cooling

#### ■ Dar Kinda Commercial Broker

Emirates District Cooling  
Dubai, United Arab Emirates  
140,644 sq ft  
Space cooling

#### ■ Sheikh Issa Bin Zayed Al Maktoum

Emirates District Cooling  
Dubai, United Arab Emirates  
3,453 sq ft  
Space cooling

#### ■ DOZ

Empower  
Dubai, United Arab Emirates  
3,333,500 sq ft  
Space cooling

#### ■ KV-Academic City

Empower  
Dubai, United Arab Emirates  
21,311,500 sq ft



Empower KV-Academic City



Rames Tower

#### ■ Jumeirah Lake Towers

Palm District Cooling  
Dubai, United Arab Emirates  
4,520,884 sq ft  
Space cooling

### Commercial-Office

#### ■ Control Tower

Emirates District Cooling  
Dubai, United Arab Emirates  
17,127 sq ft  
Space cooling

#### ■ Lootah Investments

Emirates District Cooling  
Dubai, United Arab Emirates  
140,956 sq ft  
Space cooling

#### ■ Al Serkal Properties

Emirates District Cooling  
Dubai, United Arab Emirates  
203,323 sq ft  
Space cooling

#### ■ Al Tamimi Investment Ltd

Emirates District Cooling  
Dubai, United Arab Emirates  
399,792 sq ft  
Space cooling

#### ■ Nasser Bin Abdullatif Al Serkal

Emirates District Cooling  
Dubai, United Arab Emirates  
74,971 sq ft  
Space cooling

#### ■ Kojak Group of Companies

Emirates District Cooling  
Dubai, United Arab Emirates  
82,672 sq ft  
Space cooling

#### ■ Aswan Developers Inc.

Emirates District Cooling  
Dubai, United Arab Emirates  
89,015 sq ft  
Space cooling

#### ■ Al Tamimi Investment Ltd

Emirates District Cooling  
Dubai, United Arab Emirates  
185,467 sq ft  
Space cooling

#### ■ Rames Tower

Qatar Cool  
Doha, Qatar  
333,560 sq ft  
Space Cooling

#### ■ Al Murgab Tower

Qatar Cool  
Doha, Qatar  
301,280 sq ft  
Space Cooling

#### ■ Yohan Tower

Qatar Cool  
Doha, Qatar  
242,423 sq ft  
Space Cooling

### Commercial – Office - cont.

#### ■ Palm Twin Towers-Tower A

Qatar Cool  
Doha, Qatar  
602,931 sq ft  
Space Cooling

#### ■ Palm Twin Towers-Tower B

Qatar Cool  
Doha, Qatar  
602,931 sq ft  
Space Cooling

#### ■ Salam Plaza

Qatar Cool  
Doha, Qatar  
168,932 sq ft  
Space Cooling

#### ■ Al Baker Towers

Qatar Cool  
Doha, Qatar  
677,751 sq ft  
Space Cooling

#### ■ Al Jassimiyah Tower

Qatar Cool  
Doha, Qatar  
385,455 sq ft  
Space Cooling



*Salam Plaza*



*Baker Towers*



*Al Jassimiyah Tower*



*Palm Jumeirah Crescent*

### Commercial-Retail/ Manufacturing

#### ■ Shop

Emirates District Cooling  
Dubai, United Arab Emirates  
120,000 sq ft  
Space cooling

#### ■ Shop

Emirates District Cooling  
Dubai, United Arab Emirates  
120,000 sq ft  
Space cooling

#### ■ Shop

Emirates District Cooling  
Dubai, United Arab Emirates  
120,000 sq ft  
Space cooling

#### ■ Shop

Emirates District Cooling  
Dubai, United Arab Emirates  
120,000 sq ft  
Space cooling

#### ■ GC Supermarket

Emirates District Cooling  
Dubai, United Arab Emirates  
13,000 sq ft  
Space cooling

#### ■ Lagoon Plaza-The Mall

Qatar Cool  
Doha, Qatar  
727,053 sq ft  
Space cooling

### Commercial-Other

#### ■ Medina Centrale -01

Qatar Cool  
Doha, Qatar  
272,820 sq ft  
District Cooling

#### ■ Medina Centrale -02

Qatar Cool  
Doha, Qatar  
378,849 sq ft  
District Cooling

### Hotel

#### ■ Palm Jumeirah Crescent

Palm District Cooling  
Dubai, United Arab Emirates  
2,059,022 sq ft  
Space cooling

#### ■ Palm Jumeirah Trunk

Palm District Cooling  
Dubai, United Arab Emirates  
573,306 sq ft  
Space cooling

#### ■ Hilton Hotel

Qatar Cool  
Doha, Qatar  
355,080 sq ft  
Space Cooling

#### ■ Silhouette Tower

Qatar Cool  
Doha, Qatar  
869,311 sq ft  
Space Cooling



### Hotel - cont.

#### ■ Rotana Tower

Qatar Cool  
Doha, Qatar  
425,795 sq ft  
Space Cooling

#### ■ Merweb Tower

Qatar Cool  
Doha, Qatar  
325,135 sq ft  
Space Cooling



Rotana Tower



Bungalow

#### ■ Shangri-la Tower

Qatar Cool  
Doha, Qatar  
325,135 sq ft  
Space Cooling

### Residential

#### ■ Shakespeare Circus-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
368,727 sq ft  
Space cooling

#### ■ Norton Court-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
276,969 sq ft  
Space cooling

#### ■ New Bridge Hill-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
488,800 sq ft  
Space cooling

#### ■ Fox Hill-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
743,926 sq ft  
Space cooling

#### ■ Fox Hill-Residential Apartment Complex Retail Space

Emirates District Cooling  
Dubai, United Arab Emirates  
1,920,000 sq ft  
Space cooling

#### ■ Sherlock House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
278,621 sq ft  
Space cooling

#### ■ Regent House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
144,332 sq ft  
Space cooling

#### ■ Sherlock Circus-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
207,488 sq ft  
Space cooling

#### ■ Marlowe House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
150,902 sq ft  
Space cooling

#### ■ Dickens Circus-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
371,355 sq ft  
Space cooling

#### ■ Benneth House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
143,311 sq ft  
Space cooling

#### ■ Widcombe House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
285,056 sq ft  
Space cooling

#### ■ Claverton House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
138,953 sq ft  
Space cooling

#### ■ Barton House-Residential Apartment Complex

Emirates District Cooling  
Dubai, United Arab Emirates  
160,506 sq ft  
Space cooling

#### ■ Bungalows

Emirates District Cooling  
Dubai, United Arab Emirates  
178,374 sq ft  
Space cooling

#### ■ Family Villa

Emirates District Cooling  
Dubai, United Arab Emirates  
294,525 sq ft  
Space cooling

#### ■ Townhouse

Emirates District Cooling  
Dubai, United Arab Emirates  
678,943 sq ft  
Space cooling

### Residential - cont.

#### ■ **Luxury Villa**

Emirates District Cooling  
Dubai, United Arab Emirates  
36,419 sq ft  
Space cooling



*Luxury Villa 2*

#### ■ **Terrace Apartments**

Emirates District Cooling  
Dubai, United Arab Emirates  
510,018 sq ft  
Space cooling



*Ewan Residence 2*

#### ■ **Ewan-Residential Apartment Complex**

Emirates District Cooling  
Dubai, United Arab Emirates  
799,356 sq ft  
Space cooling

#### ■ **West Luxury Villas**

Emirates District Cooling  
Dubai, United Arab Emirates  
148,600 sq ft  
Space cooling

#### ■ **West Family Villas**

Emirates District Cooling  
Dubai, United Arab Emirates  
393,050 sq ft  
Space cooling

#### ■ **West Bungalows**

Emirates District Cooling  
Dubai, United Arab Emirates  
578,525 sq ft  
Space cooling

#### ■ **North West Apartments**

Emirates District Cooling  
Dubai, United Arab Emirates  
65,422 sq ft  
Space cooling

#### ■ **Garden East and West Phase 1**

Emirates District Cooling  
Dubai, United Arab Emirates  
301,639 sq ft  
Space cooling

#### ■ **Phase 1 Family Villa**

Emirates District Cooling  
Dubai, United Arab Emirates  
6,500 sq ft  
Space cooling

#### ■ **Phase 1 Townhouse**

Emirates District Cooling  
Dubai, United Arab Emirates  
15,520 sq ft  
Space cooling

#### ■ **Phase 1 Lake Apartment**

Emirates District Cooling  
Dubai, United Arab Emirates  
17,006 sq ft  
Space cooling

#### ■ **Phase 1 Terrace Apartment**

Emirates District Cooling  
Dubai, United Arab Emirates  
218,100 sq ft  
Space cooling

#### ■ **Dunes Village**

Emirates District Cooling  
Dubai, United Arab Emirates  
524,036 sq ft  
Space cooling

#### ■ **Dukhan Tower**

Qatar Cool  
Doha, Qatar  
390,362 sq ft  
Space cooling

#### ■ **Jude Tower**

Qatar Cool  
Doha, Qatar  
242,100 sq ft  
Space cooling



*North West Apartment*



*Dukhan Tower*

#### ■ **Parcel-08B (ETS-15)**

Qatar Cool  
Doha, Qatar  
360,000 sq ft  
Space cooling

#### ■ **Parcel-16B (ETS-33)**

Qatar Cool  
Doha, Qatar  
409,569 sq ft  
Space cooling

#### ■ **Viva Bahriya -10**

Qatar Cool  
Doha, Qatar  
269,000 sq ft  
Space cooling

#### ■ **Viva Bahriya -18**

Qatar Cool  
Doha, Qatar  
380,441 sq ft  
Space cooling

#### ■ **Viva Bahriya-20**

Qatar Cool  
Doha, Qatar  
267,214 sq ft  
Space cooling

### Residential - cont.

- **Viva Bahriya-21**  
Qatar Cool  
Doha, Qatar  
267,214 sq ft  
Space cooling
- **Viva Bahriya-22**  
Qatar Cool  
Doha, Qatar  
269,000 sq ft  
Space cooling
- **Viva Bahriya-23**  
Qatar Cool  
Doha, Qatar  
269,000 sq ft  
Space cooling
- **Qanat Quartier-08**  
Qatar Cool  
Doha, Qatar  
178,853 sq ft  
Space cooling
- **Qanat Quartier-09B**  
Qatar Cool  
Doha, Qatar  
56,641 sq ft  
Space cooling
- **LPVW-13**  
Qatar Cool  
Doha, Qatar  
14,053 sq ft  
Space cooling
- **LPVW-24**  
Qatar Cool  
Doha, Qatar  
6,456 sq ft  
Space cooling
- **LPVW-41**  
Qatar Cool  
Doha, Qatar  
5,606 sq ft  
Space cooling
- **LPVW-42**  
Qatar Cool  
Doha, Qatar  
7,371 sq ft  
Space cooling



LPVW-42

- **LPVE-08**  
Qatar Cool  
Doha, Qatar  
7,876 sq ft  
Space cooling
- **LPVE-52**  
Qatar Cool  
Doha, Qatar  
6,531 sq ft  
Space cooling
- **LPVE-58**  
Qatar Cool  
Doha, Qatar  
7,266 sq ft  
Space cooling
- **BVN-27**  
Qatar Cool  
Doha, Qatar  
4,638 sq ft  
Space cooling
- **BVN-43-44**  
Qatar Cool  
Doha, Qatar  
8,611 sq ft  
Space cooling
- **BVN-52**  
Qatar Cool  
Doha, Qatar  
7,266 sq ft  
Space cooling
- **BVS-37**  
Qatar Cool  
Doha, Qatar  
7,266 sq ft  
Space cooling



Qanat Quartier

### Other

- **Qanat Quartier-01**  
Qatar Cool  
Doha, Qatar  
243,522 sq ft  
Space cooling
- **Qanat Quartier-02**  
Qatar Cool  
Doha, Qatar  
214,765 sq ft  
Space cooling
- **Qanat Quartier-03**  
Qatar Cool  
Doha, Qatar  
417,122 sq ft  
Space cooling
- **Qanat Quartier-05A**  
Qatar Cool  
Doha, Qatar  
234,008 sq ft  
Space cooling
- **Qanat Quartier-05B**  
Qatar Cool  
Doha, Qatar  
119,673 sq ft  
Space cooling
- **Qanat Quartier-06A**  
Qatar Cool  
Doha, Qatar  
185,621 sq ft  
Space cooling
- **Qanat Quarter-07**  
Qatar Cool  
Doha, Qatar  
298,020 sq ft  
Space cooling



## Plan to submit your data for 2012

Make plans now to photograph and enter your customer buildings that commit or recontract for your district energy service during 2012! The deadline for submittal is **Fri., April 19, 2013**.

To enter your newly committed, recommitted or connected customers for 2012, please download and complete the Excel® template found at **<http://www.districtenergy.org/assets/Forms/2012DESpaceblankform.xls>**.

Please use the form exactly as provided and fill in all appropriate cells to facilitate our compilation of the data. Submit the final document (list all buildings within one document) to Len Phillips at **[len.idea@districtenergy.org](mailto:len.idea@districtenergy.org)**. Be sure to send as many building photographs as possible. Thank you.

To access past issues of *District Energy Space*, visit **<http://www.districtenergy.org/district-energy-space>**.



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