

District Energy Space 2015



Spotlighting Industry Growth

More than 76 million square feet reported

District Energy Space 2015

Industry Growth around the World

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.



The publication of ***District Energy Space*** has become an annual tradition for the International District Energy Association since 1990. Compilations beyond North America were initiated in 2004. This 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 during calendar year 2015, 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 2,000 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 resilience, and reduce emissions.

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. To qualify for consideration in ***District Energy Space***, a renewal must be a contracted building or space that had been scheduled to expire during the calendar year and was renewed under a contract with a duration of 10 years or more. Year-to-year rollover—simple continuation of service to existing buildings is not considered renewal.

For each building, ***District Energy Space*** provides the following information:

- Building name and/or type
- Service provider's name and location
- Building area served in square feet
- 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. During the IDEA 107th Annual Conference in St. Paul, Minnesota, June 20-23, 2016, IDEA will recognize and present awards to those systems submitting the greatest amount of total square footage and the greatest number of total buildings for 2015 for both North America and Beyond North America. All systems submitting growth data will receive an IDEA *Certificate of Participation*.

District Energy Space 2015 and previous issues are available in PDF format by downloading from IDEA's Web site, <http://www.districtenergy.org/district-energy-space>

Summary for 2015

North America

Our members reported that they committed or recommitted **158** customer buildings in North America totaling **33,678,616** square feet (sq ft) of building space to district energy service during 2015, or were previously unreported. That compares with **169** buildings and **44,746,126** sq ft during 2014.

The North America total of **33,678,616** sq ft added in 2015 to IDEA's running total of square footage of **660,174,454** sq ft committed to North American district energy systems since 1990, brings the current total for North America reported since 1990 to **693,853,070** sq ft.

Beyond North America

IDEA is also pleased to be able to report strong system growth from beyond North America, which we have tracked since 2004. An additional **121** buildings and **42,856,027** sq ft were reported for 2015. That compares with **2,651** buildings and **75,459,748** sq ft during 2014.

The Beyond North America total of **42,856,027** sq ft added in 2015 to IDEA's running total of square footage of **1,218,325,278**

Beyond North America since 2004, brings the Beyond North America total reported since 2004 to **1,261,181,305** sq ft.

Totals: North America and Beyond North America

The total building area reported added during 2015 in North America and Beyond North America is **76,534,644** sq ft. The total building area added, as reported to **District Energy Space** since our tally began is **76,534,644 + 1,878,499,732 = 1,955,034,376** sq feet.

Stand Up and Be Recognized for 2016

Make plans now to photograph and enter your customer buildings that commit or recommit for your district energy service during 2016! The deadline for submittal of data for 2016 is **Fri., April 21, 2017**.

Continuing our tradition, during the IDEA 108th annual conference in Scottsdale, Arizona, June 26-29, 2017, IDEA will congratulate and present awards to those systems reporting the largest growth for calendar 2016 for both North America and Beyond North America. We look forward to seeing you there!

2015 New Square Footage Reported*

Category	North America	Beyond North America
Commercial-Mixed Use	3,995,653	13,598,200
Commercial-Office	6,146,782	814,484
Commercial-Retail/Manufacturing	195,000	628,964
Commercial-Other	985,050	1,626,600
Entertainment, Cultural or Sporting Center	879,965	0
Government	117,500	0
Hotel	4,428,751	6,734,200
Residential	7,262,601	16,019,015
School, Hospital or Institution	9,254,831	0
Other	412,483	3,434,565
Square Footage Reported 2015	33,678,616	42,856,027
2015 Total Reported in North America and Beyond North America	76,534,643	

* All entries are newly signed, connected or renewed customers during calendar year 2015 (Renewal means contractually recommitted to a long-term service agreement of 10 years or greater.)

Commercial—Mixed Use

- **Kellogg Square**
Saint Paul, MN
District Energy St. Paul
798,000 sq ft—space heating,
space cooling, domestic hot
water, kitchen
- **Lowertown Lofts**
Saint Paul, MN
District Energy St. Paul
130,000 sq ft—space heating,
space cooling, domestic hot
water
- **411 Cedar Street**
Saint Paul, MN
District Energy St. Paul
390,000 sq ft—space heating,
space cooling



411 Cedar Street

- **Exchange Building**
Saint Paul, MN
District Energy St. Paul
60,000 sq ft—space cooling
- **Bay West**
Saint Paul, MN
District Energy St. Paul
18,000 sq ft—space heating
- **Crazy Plaza**
Saint Paul, MN
District Energy St. Paul
1,011,000 sq ft—space heating
- **Goff Partners**
Saint Paul, MN
District Energy St. Paul
33,400 sq ft—space heating,
space cooling
- **Alliance Bank**
Saint Paul, MN
District Energy St. Paul
254,000 sq ft—space heating,
space cooling
- **333 N. Dearborn St.**
Chicago, IL
Enwave Chicago
374,768 sq ft—space cooling

- **650 E. Kendall Street**
Boston, MA
Veolia North America
280,000 sq ft—space heating,
domestic hot water, process
- **500 Technology Square**
Boston, MA
Veolia North America
200,000 sq ft—space heating,
domestic hot water, process
- **MBTA Cabot Yard**
Boston, MA
Veolia North America
250,000 sq ft—space heating
- **10-24 School Street**
Boston, MA
Veolia North America
114,245 sq ft—space heating
- **Reunion Center**
Tulsa, OK
Veolia North America
81,440 sq ft—space cooling



Reunion Center

Commercial—Office

- **The Independent**
Austin, TX
Austin Energy
700,000 sq ft—space cooling
- **Shoal Creek Walk**
Austin, TX
Austin Energy
218,500 sq ft—space cooling
- **St. Paul Stamp Works**
Saint Paul, MN
District Energy St. Paul
21,000 sq ft—space heating
- **135 S. LaSalle St.**
Chicago, IL
Enwave Chicago
1,202,740 sq ft—space cooling
- **231 S. LaSalle St.**
Chicago, IL
Enwave Chicago
936,800 sq ft—space cooling

- **200 S. Michigan Ave.**
Chicago, IL
Enwave Chicago
357,000 sq ft—space cooling
- **208 S. LaSalle St.**
Chicago, IL
Enwave Chicago
874,742 sq ft—space cooling
- **33 W. Monroe**
Chicago, IL
Enwave Chicago
879,000 sq ft—space cooling
- **Dexter Horton**
Seattle, WA
Enwave Seattle
200,000 sq ft—domestic hot
water
- **Campbell Mithun Tower**
Minneapolis, MN
NRG Energy Center
Minneapolis, LLC
852,000 sq ft—space heating,
space cooling, domestic hot
water



Campbell Mithun Tower

- **Shreve Building**
San Francisco, CA
NRG Energy Center SF, LLC
75,000 sq ft—space heating
- **Transamerica Building**
Baltimore, MD
Veolia North America
530,000 sq ft—space heating

Commercial—Retail/Manufacturing

- **137 S. State St.**
Chicago, IL
Enwave Chicago
3,000 sq ft—space cooling
- **Old Stove Brewery**
Seattle, WA
Enwave Seattle
25,000 sq ft—space heating,
domestic hot water

- **Stimson Building**
Minneapolis, MN
NRG Energy Center
Minneapolis, LLC
20,000 sq ft—space heating,
space cooling
- **Lafayette Building**
Minneapolis, MN
NRG Energy Center
Minneapolis, LLC
42,000 sq ft—space heating
- **137 Stuart Street**
Boston, MA
Veolia North America
5,000 sq ft—space heating,
domestic hot water
- **Ruth Chris**
Boston, MA
Veolia North America
12,000 sq ft—space heating,
domestic hot water
- **Rock Bottom Restaurant**
Boston, MA
Veolia North America
6,000 sq ft—space heating,
domestic hot water
- **Saks 5th Avenue**
Boston, MA
Veolia North America
25,000 sq ft—space heating
- **MidStates Warehouse**
Kansas City, MO
Veolia North America
25,000 sq ft—space heating

Commercial—Other

- **Commercial**
New York, NY
Con Edison Steam Operations
35,000 sq ft—space heating,
other
- **Commercial**
New York, NY
Con Edison Steam Operations
450,000 sq ft—space heating
- **Commercial**
New York, NY
Con Edison Steam Operations
300,000 sq ft—space heating
- **Cabrini Medical Tower**
Seattle, WA
Enwave Seattle
175,000 sq ft—space heating,
domestic hot water

Commercial—Other cont.

- **Copper Shop**
North Vancouver, BC
Lonsdale Energy Corp.
17,050 sq ft—space heating,
space cooling, domestic hot
water, kitchen



Copper Shop

- **JF Bar & Grill**
San Francisco, CA
NRG Energy Center SF, LLC
8,000 sq ft—domestic hot
water

Entertainment, Cultural or Sporting Center

- **F. Scott Fitzgerald Theater**
Saint Paul, MN
District Energy St. Paul
25,000 sq ft—space heating



F. Scott Fitzgerald Theater

- **Minnesota Children's Museum**
Saint Paul, MN
District Energy St. Paul
65,000 sq ft—space heating,
space cooling



Minnesota Children's Museum Addition
rendering

- **Palace Theater**
Saint Paul, MN
District Energy St. Paul
82,000 sq ft—space heating,
space cooling



Palace Theater

- **Town Hall**
Seattle, WA
Enwave Seattle
50,000 sq ft—space heating,
domestic hot water

- **Seattle Art Museum**
Seattle, WA
Enwave Seattle
100,000 sq ft—space heating,
domestic hot water,
humidification

- **Benayroya Hall**
Seattle, WA
Enwave Seattle
300,000 sq ft—space heating,
domestic hot water

- **YMCA of the Greater Twin Cities**
Minneapolis, MN
NRG Energy Center
Minneapolis, LLC
100,000 sq ft—space cooling

- **Half Acre Gym Addition – LEED Silver**
Laramie, WY
University of Wyoming
75,034 sq ft—space heating,
space cooling, domestic hot
water



Half Acre Recreation and Wellness Center

- **Holocaust Memorial**
Boston, MA
Veolia North America
17,000 sq ft—space heating

- **OKC Civic Center**
Oklahoma City, OK
Veolia North America
2,800 sq ft—space heating,
space cooling

- **York Lions Stadium- LEED Silver**
Toronto, ON
York University
63,131 sq ft—space heating,
space cooling, domestic hot
water, humidification, kitchen,
refrigeration



York Lions Stadium

Government

- **Baltimore City Correctional Center**
Baltimore, MD
Veolia North America
28,500 sq ft—space heating

OKC Police Headquarters
Oklahoma City, OK
Veolia North America
89,000 sq ft—space heating,
space cooling

Hotel

- **Hotel/Club**
New York, NY
Con Edison Steam Operations
515,775 sq ft—space heating,
domestic hot water

- **Custom House**
Saint Paul, MN
District Energy St. Paul
726,000 sq ft—space heating,
space cooling, domestic hot
water, kitchen



Custom House

- **11 S. LaSalle St.**
Chicago, IL
Enwave Chicago
290,000 sq ft—space cooling

- **Roosevelt Hotel**
Seattle, WA
Enwave Seattle
300,000 sq ft—domestic hot
water, kitchen



Roosevelt Hotel

- **Fairmont Olympic Hotel**
Seattle, WA
Enwave Seattle
400,000 sq ft—space heating,
domestic hot water

- **Sheraton Hotel**
Seattle, WA
Enwave Seattle
400,000 sq ft—domestic hot
water

- **Motif Hotel**
Seattle, WA
Enwave Seattle
250,000 sq ft—space heating,
domestic hot water

Hotel cont.

- **15 Monroe**
Phoenix, AZ
NRG Energy Center Phoenix, LLC
147,810 sq ft—space cooling



15 Monroe (Lauren Rubenstein Photography)

- **Holiday Inn Express**
San Francisco, CA
NRG Energy Center SF, LLC
32,000 sq ft—domestic hot water
- **Courtyard Marriott**
San Francisco, CA
NRG Energy Center SF, LLC
58,000 sq ft—space heating, domestic hot water
- **Sheraton Boston**
Boston, MA
Veolia North America
961,791 sq ft—space heating
- **Crown Plaza**
Kansas City, MO
Veolia North America
140,000 sq ft—space heating
- **Phillips Hotel**
Kansas City, MO
Veolia North America
207,375 sq ft—space heating, domestic hot water

Residential

- **Omega**
Richmond, BC
City of Richmond, Alexandra District Energy Utility
220,000 sq ft—space heating, space cooling, domestic hot water



Omega

- **Alexandra Court**
Richmond, BC
City of Richmond, Alexandra District Energy Utility
260,000 sq ft—space heating, space cooling, domestic hot water



Alexandra Court

- **TownLine**
Richmond, BC
City of Richmond, Alexandra District Energy Utility
64,000 sq ft—space heating, space cooling, domestic hot water



TownLine

- **Carrera**
Richmond, BC
City of Richmond, Oval Village District Energy Utility
377,000 sq ft—space heating, domestic hot water



Carrera

- **Riva**
Richmond, BC
City of Richmond, Oval Village District Energy Utility
353,000 sq ft—space heating, domestic hot water



Riva

- **Residential**
New York, NY
Con Edison Steam Operations
709,000 sq ft—space heating, domestic hot water

- **Residential**
New York, NY
Con Edison Steam Operations
200,000 sq ft—space heating, domestic hot water

- **Residential**
New York, NY
Con Edison Steam Operations
160,000 sq ft—space heating, domestic hot water

- **Residential/Hotel**
New York, NY
Con Edison Steam Operations
569,105 sq ft—space heating, domestic hot water

- **Mears Park Place**
Saint Paul, MN
District Energy St. Paul
278,500 sq ft—space heating, domestic hot water

- **Higher Ground**
Saint Paul, MN
District Energy St. Paul
110,000 sq ft—space heating, space cooling, domestic hot water



Higher Ground

- **Heritage House Apartments**
Saint Paul, MN
District Energy St. Paul
65,000 sq ft—space heating

- **Straus Apartments**
Saint Paul, MN
District Energy St. Paul
95,000 sq ft—space heating, space cooling

- **Great Northern Lofts**
Saint Paul, MN
District Energy St. Paul
100,000 sq ft—space heating, space cooling, domestic hot water



Great Northern Lofts

- **345 Cedar Street**
Saint Paul, MN
District Energy St. Paul
120,000 sq ft—space heating, space cooling

- **Lowertown Lofts Cooperative**
Saint Paul, MN
District Energy St. Paul
44,500 sq ft—space heating

Residential cont.

- **Horizon House**
Seattle, WA
Enwave Seattle
1,000,000 sq ft—space heating,
domestic hot water



Horizon House

- **Sheridan Apartments**
Seattle, WA
Enwave Seattle
45,000 sq ft—space heating,
domestic hot water
- **Red Lion**
North Vancouver, BC
Lonsdale Energy Corp.
54,288 sq ft—space heating,
domestic hot water



Red Lion

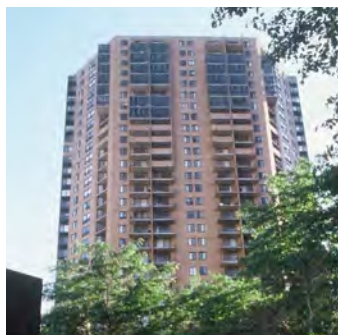
- **Shore 3**
North Vancouver, BC
Lonsdale Energy Corp.
59,738 sq ft—space heating,
domestic hot water



Shore 3, 4

- **Shore 4**
North Vancouver, BC
Lonsdale Energy Corp.
59,196 sq ft—space heating,
domestic hot water

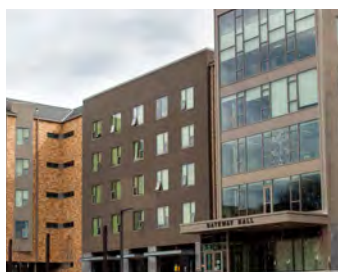
- **One Ten Grant**
Minneapolis, MN
NRG Energy Center
Minneapolis, LLC
332,000 sq ft—space heating



One Ten Grant

- **Ponderosa Commons:
Oak House / Cedar House-
LEED Gold**
Vancouver, BC
University of British Columbia
285,456 sq ft—space heating,
domestic hot water, kitchen
Ponderosa Commons

- **Gateway Hall – LEED Silver
expected**
Columbia, MO
University of Missouri
100,944 sq ft—space heating,
space cooling, humidification,
electric, drinking water



Gateway Hall

- **9 Broadway LLC**
Boston, MA
Veolia North America
210,000 sq ft—space heating,
domestic hot water

- **Equitable Development, LLC**
Baltimore, MD
Veolia North America
179,874 sq ft—space heating

- **TBD**
Philadelphia, PA
Veolia North America
400,000 sq ft—space heating,
domestic hot water

- **The Versailles Apartments**
Philadelphia, PA
Veolia North America
143,000 sq ft—space heating,
domestic hot water

School, Hospital, Institution

- **IUPUI Campus**
Indianapolis, IN
Citizens Thermal Energy
700,000 sq ft—space heating,
space cooling

- **Jamatkhana Temple**
Richmond, BC
City of Richmond, Alexandra
District Energy Utility
30,000 sq ft—space heating,
space cooling, domestic hot
water



Jamatkhana Temple

- **ASU School of Law**
Phoenix, AZ
NRG Energy Center Phoenix,
LLC
280,000 sq ft—space cooling



ASU School of Law (©ATCHAIN for Ennead Architecture)

- **Allegheny General Hospital**
Pittsburgh, PA
NRG Energy Center Pittsburg
1,643,000 sq ft—space heating,
space cooling, domestic hot
water, humidification, process,
kitchen, refrigeration

- **MD Anderson Zayed
Medical Research**
Houston, TX
Thermal Energy Corporation
(TECO)
615,000 sq ft—space cooling

- **MD Anderson –
Administration Building**
Houston, TX
Thermal Energy Corporation
(TECO)
1,375,000 sq ft—space cooling

- **Texas Children's Hospital
Neurological Research
Institution**
Houston, TX
Thermal Energy Corporation
(TECO)
450,000 sq ft—space heating,
space cooling

- **Texas Children's Hospital
Pavilion for Women**
Houston, TX
Thermal Energy Corporation
(TECO)
796,000 sq ft—space heating,
space cooling

- **CHI/St Luke's/Baylor McNair
Facility**
Houston, TX
Thermal Energy Corporation
(TECO)
564,600 sq ft—space heating,
space cooling

- **Engineering Student Centre-
LEED Gold**
Vancouver, BC
University of British Columbia
10,262 sq ft—space heating,
domestic hot water, kitchen



Engineering Student Centre

- **New Student Union
Building – LEED Gold**
Vancouver, BC
University of British Columbia
218,314 sq ft—space heating,
domestic hot water, kitchen

- **Microbiology Research
Facility**
Minneapolis, MN
University of Minnesota,
Twin Cities
89,456 sq ft—space heating,
space cooling, domestic hot
water, humidification, process

School, Hospital, Institution cont.

- **W.T. Brookshire Hall Pharmacy**
Tyler, TX
University of Texas at Tyler
60,002 sq ft—space heating, space cooling, domestic hot water



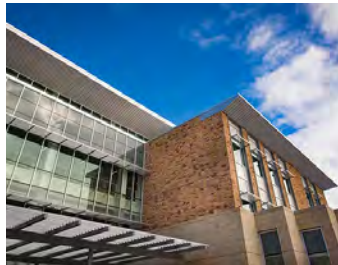
W.T. Brookshire Hall Pharmacy

- **Gibbons House**
Charlottesville, VA
University of Virginia
75,000 sq ft—space heating, space cooling, domestic hot water, humidification



Gibbons House

- **Enzi-STEM Building – Built to LEED Silver, not registered**
Laramie, WY
University of Wyoming
106,937 sq ft—space heating, domestic hot water



Michael B. Enzi STEM Facility

- **Emerson College**
Boston, MA
Veolia North America
184,548 sq ft—89,000 sq ft—space heating, domestic hot water
- **Suffolk University**
Boston, MA
Veolia North America
657,713 sq ft—space heating, domestic hot water
- **Boston Medical Center**
Boston, MA
Veolia North America
1,600,000 sq ft—space heating, domestic hot water, process
- **Rowland Institute**
Boston, MA
Veolia North America
110,000 sq ft—space heating, domestic hot water

- **Bergeron Centre for Engineering Excellence – LEED Gold**
Toronto, ON
York University
184,548 sq ft—space heating, space cooling, domestic hot water, humidification, kitchen, refrigeration



Bergeron Centre for Engineering Excellence

Other

- **St. Mary's Church**
Saint Paul, MN
District Energy St. Paul
36,000 sq ft—space heating
- **First Baptist Church of St. Paul**
Saint Paul, MN
District Energy St. Paul
60,000 sq ft—space heating
- **Hennepin @ 10th Ramp**
Minneapolis, MN
NRG Energy Center Minneapolis, LLC
12,000 sq ft—space heating, space cooling

- **East Commons Professional Building**
Pittsburgh, PA
NRG Energy Center Pittsburgh
231,400 sq ft—space heating, space cooling

- **Bartlett Hall**
San Francisco, CA
NRG Energy Center SF, LLC
8,000 sq ft—domestic hot water

- **Campus Energy Centre Hot Water Energy Plant – LEED Gold**
Vancouver, BC
University of British Columbia
21,523 sq ft—space heating, domestic hot water



Campus Energy Centre-hot water energy plant

- **Cargill Inc.**
Kansas City, MO
Veolia North America
43,560 sq ft—process

Commercial—Mixed Use

- **Bluewaters Island**
Dubai, UAE
Empower
13,598,200 sq ft—space cooling



Blue Waters Island

Commercial—Office

- **Additional Buildings at Dubiotech Pharmax**
Dubai, UAE
Empower
385,000 sq ft—space cooling
- **Commercial Twin Towers**
Doha, UAE
Qatar Cool
429,484 sq ft—space cooling



Commercial Twin Towers

Commercial—Retail/Manufacturing

- **RDK Buildings (Plot 598-1190)**
Dubai, UAE
Emirates District Cooling (Emicool)
353,964 sq ft—space cooling



Plot 598-1190 (RDK Buildings)

- **Additional Buildings at Dubiotech Majid Al Futtaim**
Dubai, UAE
Empower
275,000 sq ft—space cooling

Commercial—Other

- **Ajabshah Plastic LLC (Plot 597-669)**
Dubai, UAE
Emirates District Cooling (Emicool)
2,807 sq ft—space cooling
- **Arenco Real Estate (Plot 598-1208)**
Dubai, UAE
Emirates District Cooling (Emicool)
559,889 sq ft—space cooling
Plot 598-1208 (Arenco Real Estate)
- **Arabian Pipeline Supply (Plot 597-631)**
Dubai, UAE
Emirates District Cooling (Emicool)
1,775 sq ft—space cooling
- **Orontes Raw Materials Trading LLC (Plot 597-268)**
Dubai, UAE
Emirates District Cooling (Emicool)
37,009 sq ft—space cooling
- **Mat Foodstuff (Plot 597-543)**
Dubai, UAE
Emirates District Cooling (Emicool)
16,762 sq ft—space cooling

- **Aerosoft International Trading (Plot 597-1034)**
Dubai, UAE
Emirates District Cooling (Emicool)
25,228 sq ft—space cooling
- **Comfort House Contracting LLC (Plot 597-352)**
Dubai, UAE
Emirates District Cooling (Emicool)
34,352 sq ft—space cooling
- **Falak Holding LLC (Plot 597-702)**
Dubai, UAE
Emirates District Cooling (Emicool)
33,990 sq ft—space cooling
- **Al Mazroei Bowyer Building Cont. (Plot 597-995)**
Dubai, UAE
Emirates District Cooling (Emicool)
66,702 sq ft—space cooling
- **JML UAE Manufacturing LLC (Plot 597-813)**
Dubai, UAE
Emirates District Cooling (Emicool)
3,999 sq ft—space cooling
- **Bilal & Mohd. Ballout Preparation Sweets & Candies (Plot 597-669)**
Dubai, UAE
Emirates District Cooling (Emicool)
132,587 sq ft—space cooling
- **Bayer Pearl Polyurethane Systems LLC (Plot 597-1052)**
Dubai, UAE
Emirates District Cooling (Emicool)
17,321 sq ft—space cooling
- **Ali Saeed Ali Khadem Al Muhairi (Plot 597-365)**
Dubai, UAE
Emirates District Cooling (Emicool)
24,024 sq ft—space cooling
- **Al Shumookh Electromechanical Works (Plot 597-355)**
Dubai, UAE
Emirates District Cooling (Emicool)
42,754 sq ft—space cooling
- **Sustainable Builders LLC (Plot 597-707)**
Dubai, UAE
Emirates District Cooling (Emicool)
58,945 sq ft—space cooling
- **Al Saeedi Middle East FZCO (Plot 597-293)**
Dubai, UAE
Emirates District Cooling (Emicool)
47,448 sq ft—space cooling
- **Al Mansoorah Printing Co. LLC (Plot 597-310)**
Dubai, UAE
Emirates District Cooling (Emicool)
2,807 sq ft—space cooling
- **GWC Global Cargo & Transport LLC (Plot 597-373)**
Dubai, UAE
Emirates District Cooling (Emicool)
1,399 sq ft—space cooling
- **Asterix Kraftworks (Plot 597-4906)**
Dubai, UAE
Emirates District Cooling (Emicool)
3,576 sq ft—space cooling
- **Taurani Investments Limited (Plot 597-320)**
Dubai, UAE
Emirates District Cooling (Emicool)
37,116 sq ft—space cooling
- **Kreol Trading FZCO (Plot 597-391)**
Dubai, UAE
Emirates District Cooling (Emicool)
7,617 sq ft—space cooling
- **Arabian Hose Contracting LLC (Plot 597-873)**
Dubai, UAE
Emirates District Cooling (Emicool)
31,750 sq ft—space cooling
- **RIL (Plot 598-271)**
Dubai, UAE
Emirates District Cooling (Emicool)
57,000 sq ft—space cooling

Commercial—Other cont.

- **Bangash Builders & Developers Ltd. (Plot 682-1371)**
Dubai, UAE
Emirates District Cooling (Emicool)
204,000 sq ft—space cooling



Plot 682-1402 (Canal Residence - Venetian)

- **Mandate International Limited (Plot 682-1370)**
Dubai, UAE
Emirates District Cooling (Emicool)
140,500 sq ft—space cooling

Entertainment, Cultural or Sporting Center

none

Government

none

Hotel

- **Palazzo Versace EPV**
Dubai, UAE
Emirates District Cooling (Emicool)
915,750 sq ft—space cooling



Palazzo Versace EPV

- **Additional Buildings at Palm Jumeirah Crescent**
Dubai, UAE
Empower
5,294,850 sq ft—space cooling
- **Dubai Health Care City – 1 Extension: Time Hotel**
Dubai, UAE
Empower
523,600 sq ft—space cooling

Residential

- **Neo Solutions (Plot 682-1369)**
Dubai, UAE
Emirates District Cooling (Emicool)
161,076 sq ft—space cooling



Neo Solutions

- **HMA Exec Limited (Plot 682-1368)**
Dubai, UAE
Emirates District Cooling (Emicool)
136,150 sq ft—space cooling
- **Canal Residence - Venetian (Plot 682-1402)**
Dubai, UAE
Emirates District Cooling (Emicool)
263,600 sq ft—space cooling
- **Palazzo Versace ED1 Tower**
Dubai, UAE
Emirates District Cooling (Emicool)
825,028 sq ft—space cooling
- **Additional Buildings at Palm Jumeirah Trunk**
Dubai, UAE
Empower
7,705,500 sq ft—space cooling

- **Additional Buildings at Jumeirah Lake Towers**
Dubai, UAE
Empower
1,694,000 sq ft—space cooling
- **Prospect Heights**
Dubai, UAE
Empower
1,672,000 sq ft—space cooling
- **Additional Buildings at Dubai Land Residence Complex**
Dubai, UAE
Empower
1,629,100 sq ft—space cooling
- **Porto Arabia-11B**
Doha, UAE
Qatar Cool
245,861 sq ft—space cooling



Porto Arabia-11B

- **Viva Bahriya-03**
Doha, UAE
Qatar Cool
226,044 sq ft—space cooling



Viva Bahriya-03

- **Viva Bahriya-04**
Doha, UAE
Qatar Cool
204,484 sq ft—space cooling
- **Viva Bahriya-05**
Doha, UAE
Qatar Cool
204,484 sq ft—space cooling
- **LPVW-19**
Doha, UAE
Qatar Cool
9,074 sq ft—space cooling
- **LPW-31**
Doha, UAE
Qatar Cool
6,210 sq ft—space cooling
LPW-31
- **LPW-7**
Doha, UAE
Qatar Cool
5,414 sq ft—space cooling



LPC-07

- **LPC-22 to 25**
Doha, UAE
Qatar Cool
44,348 sq ft—space cooling
- **LPC-29**
Doha, UAE
Qatar Cool
8,030 sq ft—space cooling



LPC-29

Residential cont.

- **LPE-12**
Doha, UAE
Qatar Cool
9,311 sq ft—space cooling



LPE-12

- **LPE-22 to 25**
Doha, UAE
Qatar Cool
42,884 sq ft—space cooling
- **LPE-48 & 49**
Doha, UAE
Qatar Cool
17,255 sq ft—space cooling
- **BVN-18**
Doha, UAE
Qatar Cool
7,041 sq ft—space cooling



BVN-18

- **BVN-36**
Doha, UAE
Qatar Cool
8,471 sq ft—space cooling



BVN-36

- **BVN-49 to 51**
Doha, UAE
Qatar Cool
17,502 sq ft—space cooling
- **BVS-27**
Doha, UAE
Qatar Cool
10,448 sq ft—space cooling
- **BVS-44**
Doha, UAE
Qatar Cool
9,375 sq ft—space cooling



BVS-44

- **BVS-57 & 58**
Doha, UAE
Qatar Cool
28,191 sq ft—space cooling



BVS-57 & 58

- **FF-19**
Doha, UAE
Qatar Cool
8,859 sq ft—space cooling
- **Shk. Abdulrahman and Brothers Tower**
Doha, UAE
Qatar Cool
392,657 sq ft—space cooling
- **Porto Arabia-14B**
Doha, UAE
Qatar Cool
426,620 sq ft—space cooling

School, Hospital, Institution

none

Other

- **Back Up Data Center**
Doha, UAE
Qatar Cool
3,251 sq ft—space cooling
- **Doha Exhibition & Convention Centre Station**
Doha, UAE
Qatar Cool
340,361 sq ft—space cooling
- **West Bay Station**
Doha, UAE
Qatar Cool
1,382,055 sq ft—space cooling
- **Legtaifiya Station**
Doha, UAE
Qatar Cool
1,708,899 sq ft—space cooling

Plan to submit your calendar 2016 growth data.

Make plans now to photograph and enter your customer buildings that commit or recommit for your district energy service during 2016. We will send reminders to IDEA members in early 2017. ***The deadline for submittal of system growth data for calendar 2016 is Fri., April 21, 2017.***

Continuing our tradition, during the IDEA 108th annual conference in Scottsdale, Arizona, June 26-29, 2017, IDEA will congratulate and present awards to those systems reporting the largest growth for calendar 2016 for both North America and Beyond North America. We look forward to seeing you there!

To access growth information for previous years and to download past issues of District Energy Space, visit:
<http://www.districtenergy.org/district-energy-space-2/>

PLEASE NOTE:

We have revised District Energy Space 2016 for IDEA District Cooling Members Beyond North America

For growth reported for IDEA district cooling systems beyond North America for calendar 2016, we will provide additional opportunities to recognize systems for their growth by specific building types, as well as for overall growth in square feet.

OLD AWARD STRUCTURE: Up to and including calendar year 2016, IDEA has recognized systems with gold, silver and bronze awards for respective growth in the reported number of customer buildings added and total customer building area added during the previous calendar year. To more accurately recognize the large-scale district cooling systems beyond North America, we have revised the evaluation process.

NEW AWARD STRUCTURE: In 2017, IDEA District Energy Space will recognize district cooling systems beyond North America with outstanding growth during calendar year 2016 based on customer end use categories, as follows:

1. We will continue to recognize the largest aggregate growth in total customer building area added (square feet):
 - a. **Gold Award** - most area added
 - b. **Silver Award** - next most area added
 - c. **Bronze Award** - next most area added
2. We will also recognize the largest growth by area of specific types of customer buildings:
 - a. **Most SF-Commercial** (hotel, manufacturing, mixed use, office, retail)
 - b. **Most SF-Entertainment** (arena, cultural, museum, sporting center, stadium, theater)
 - c. **Most SF-Government** (municipal, transportation facility)
 - d. **Most SF-Institutional** (college/university, healthcare, military base, place of worship)
 - e. **Most SF-Residential**



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