

# New York City Facilities Energy System Assessment

## January 14, 2008

### **Background**

This Assessment was undertaken by John-Winston Engineers & Consultants, Inc. at the request of the City of New York, to assist in establishing the potential for certain clean, on-site power generation technologies as defined in Local Law 1 of 2007. Under Local Law 1, City-owned facilities with a peak electric demand of 500 kilowatts or greater were to be reviewed to assess the potential for cogeneration and natural gas-based distributed generation projects at such facilities. For purposes of the Assessment, Local Law 1 defines cogeneration and natural gas-based distributed generation as including those projects where “electric generation would be connected to the distribution level of the grid, would be located at or near the intended place of use and would produce fewer emissions of carbon dioxide and particulate matter per unit of useful energy output than a new combined-cycle natural-gas fired central power plant.” Technical, physical and/or economic factors were to be considered in assessing feasibility.

### **Methodology**

The City of New York, through data routinely collected by the Office of Energy Conservation (OEC) of the Department of Citywide Administrative Services identified 318 facilities that had a peak demand of 500 kw or greater in calendar year 2006. These facilities, ranging in type and size, consume electricity, natural gas, fuel oil, and utility supplied steam for heat and power.

To meet the requirements of Local Law 1, an assessment tool was developed to determine the feasibility of integrating cogeneration or natural-gas based distributed generation at these facilities. Cogeneration, or combined heat and power (CHP), refers to systems that generate electricity and recover waste heat. CHP plants offer improved efficiency when compared to traditional electric power production. The plants typically burn natural gas through an engine, turbine, or fuel cell and the exhaust heat is recovered and used by the facility to provide hot water and steam. Distributed generation (DG) plants generate electricity only. The benefit of DG is that it can reduce the burden on the utility infrastructure by reducing the load during peak periods, when energy demand and energy prices are greatest. Distributed generation can be supplied by solar, wind, waste methane, or fossil fuel powered systems to generate electric power.

John-Winston Engineers created assessment tools for the facilities to identify characteristic energy use, energy cost, and infrastructure attributes for each location. The potential feasibility of CHP and DG installations are driven by these three general characteristics. The tools gathered data from each of the facilities and based upon these indicators ranked each of the buildings relative to all the other buildings for CHP and DG, respectively. The tool is not intended to be a sole predictor of energy or economic

performance but rather a screening mechanism to direct resources for further study on specific, positively indicated sites.

The overall assessment relied upon two sources of information concerning the individual facilities' energy and infrastructure profile. First, past energy use and cost information data were provided by OEC, from its database of utility invoices. This became the basis for various load profile and cost metrics. Second, infrastructure characteristic information was provided by facility managers, using a questionnaire John-Winston developed, distributed through OEC to each agency (Appendix 1). This became the basis for CHP and DG assessment tools and the resulting Assessment Score metrics.

Each assessment tool provided an objective screening of the facilities based on infrastructure characteristics, and ranked the facilities' potential for cogeneration and distributed generation applications at each site. The ranking analysis employed a set of engineering principles; it resulted in an Assessment Score that is a relative number used to compare one site to another. The underlying principles for the analysis differ for CHP and DG.

**CHP Assessment:** CHP systems are best applied in facilities that continuously consume electric and thermal energy at relatively consistent levels. Traditional cogeneration applications have included hospitals, universities, industrial plants, waste treatment plants, and housing complexes. The electric load factor, which is a relative measure of the consistency of electric energy consumption, is the strongest indicator of a site's potential for a feasible cogeneration application; higher load factors indicate higher consistency of electrical energy consumption. The ratio of thermal energy consumed to electric energy consumed is the second factor considered, weighting facilities that consume high levels of thermal energy relative to electric energy as an indicator of a favorable site. The third and fourth metric factors considered are the gross volume of electric and thermal energy consumed by the facilities. Cogeneration plants often benefit from the scale effect of installing the systems in facilities with high consumption volumes.

The physical infrastructure (infrastructure characteristics) of the individual sites is also a significant factor in the assessment. Cogeneration is best applied in facilities that have a centralized energy plant with an integrated distribution system. The cost and practical difficulty of integrating the electrical and thermal production into the existing facilities infrastructure is often the greatest driver of project feasibility. The individual site assessments attempted in a limited fashion to identify a set of basic conditions that are typically favorable for cogeneration applications.

**DG Assessment:** DG systems are typically best applied in applications that reduce the peak demand load of facilities. This is because the continuous operation of a fossil fuel powered distributed generation system faces the economic challenge of fuel cost versus average electric cost. Therefore, the summer electric load factor is the primary indicator employed in this assessment. The facilities with the lowest load factors indicate high variability in summer power demands which may offer good peak demand shaving

opportunities for fossil fuel powered systems. The other factor considered is the average cost per kilo-watt hour. The average delivered utility cost can often indicate a facility load that has dramatic swings in power demand and where the greatest economic opportunity exists.

The physical infrastructure (infrastructure characteristics) of the individual sites is another significant factor in the assessment. Distributed generation utilizing fossil fuel is best applied in facilities that have a natural gas supply and a centralized electrical power service.

## **Findings**

Complete responses were received from 303 facilities. Results for each site assessed for CHP are presented in Table CHP-1; results for each site assessed for DG are presented in Table DG-1.

Table **CHP-1**, CHP Facility Load Profiles, ranks sites by highest Assessment Score. In addition to the Assessment Score, the table includes load factors and annual electric consumption, along with a combined load rating (CHP Facility Load Profile Score). The CHP Facility Load Profile Score gives a relative rank to each location (303 best, 1 worst) based upon the 3 following utility information categories:

1. annual electric load factor % group (highest to lowest)
2. thermal/electric load factor % group (highest to lowest)
3. annual electric consumption (kwh) (highest to lowest)

Table **CHP-1a** shows those sites with Assessment Scores of 95 or above, listed in order of the CHP Facility Load Profile Score. Further investigation for cogeneration applications should be made from among these sites. The highest ranked sites for cogeneration application are wastewater treatment plants, health care, and institutional facilities with continuous operations.

Table **DG-1**, DG Facility Load Profiles, ranks sites by highest Assessment Score. In addition to the Assessment Score, the table includes load factors and summer electric cost, along with a combined load and cost rating (DG Facility Load Profile Score). The DG Facility Load Profile Score gives a relative rank to each location (303 best, 1 worst) based upon the 3 following utility information categories:

1. annual electric load factor % group (lowest to highest)
2. summer electric load factor % group (lowest to highest)
3. summer \$/kwh group (highest to lowest)

Table **DG-1a** shows those sites with Assessment Scores of 85 or above, listed in order of the DG Facility Load Profile Score. These should be the first sites considered for further investigation for distributed generation applications. The highest ranked distributed generation facilities are mainly institutional buildings, with a large portion of community college and college buildings.

## **Appendix 1:** List of questions sent to facility managers

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	140	223	50%	0%	17,959,655
Harlem Hospital	506 Lenox Avenue	Manhattan	130	281	60%	100%	22,756,591
Brooklyn Museum	200 Eastern Parkway	Brooklyn	130	244	50%	140%	10,173,000
Bellevue Hospital	462 First Avenue	Manhattan	125	247	50%	180%	61,369,014
Woodhull Medical Center	760 Broadway	Brooklyn	125	231	50%	60%	29,829,711
Kings County Hospital Food Service	599 Kingston Avenue	Brooklyn	125	160	40%	10%	2,178,600
Lehman College Campus	250 Bedford Park Blvd - West	Bronx	120	288	60%	240%	17,149,486
Brooklyn College Campus	Bedford Ave and Ave H	Brooklyn	120	290	60%	250%	37,177,606
Jamaica Lab	150-14 Jamaica Avenue	Queens	120	188	40%	140%	5,295,600
North Central Bronx Hospital	3424 Kossuth Avenue	Bronx	115	246	50%	170%	20,380,984
QNS College Academic II	65-30 Kissena Blvd	Queens	115	282	60%	140%	25,950,270
Klapper Hall	65-30 Kissena Blvd	Queens	115	86	30%	50%	2,089,200
CCNY North Academic Center	160 Convent Ave	Manhattan	110	192	40%	150%	23,000,471
Carman Hall	2790 Goulden Ave	Bronx	110	257	60%	0%	3,682,400
Bliss Hall	145 West 180 th St	Bronx	110	226	50%	20%	7,899,882
Horizon Juvenile Center	560 Brook Avenue	Bronx	110	177	40%	90%	2,730,400
Newtown Creek WPCP	301 Greenpoint Avenue	Brooklyn	110	268	60%	0%	71,321,743
NY Hall of Science	47-01 111th Street	Queens	110	43	20%	70%	3,047,200
Whitehall Ferry Terminal	4 South Street	Manhattan	105	269	60%	10%	3,928,800
179th Street Pumping Station	2405 Amsterdam Avenue	Manhattan	105	24	20%	10%	1,658,140
Lincoln Hospital	234 149th Street	Bronx	105	243	50%	130%	35,130,574
International Plant Science Center	2680 Dr. Theodore Kazimiroff Blvd.	Bronx	105	96	30%	70%	2,502,700
Brooklyn Cruise Ship Terminal	King & Ferris Sts, Pier 12, Bldg 112	Brooklyn	105	81	30%	40%	2,853,000
R&T Building	48-34 35th St	Queens	105	228	50%	30%	3,186,240
World's Fair Ice Skating Rink	52-01 Grand Central Pkwy	Queens	105	152	40%	0%	2,873,600
College of Staten Island	2800 Victory Blvd	Staten Island	105	232	50%	60%	32,229,870
Metropolitan Hospital Center	1901 First Avenue	Manhattan	100	251	50%	270%	22,126,936
Manhattan Criminal Court	100 Centre Street	Manhattan	100	147	30%	360%	9,603,600
Bronx Family Court	215 East 161st Street	Bronx	100	277	60%	60%	12,416,171
Kingsborough Community College	2001 Oriental Blvd	Brooklyn	100	61	20%	200%	19,708,646
New York Aquarium	West 8th & Surf Avenue	Brooklyn	100	280	60%	80%	9,916,800
17 Lexington Ave	17 Lexington Ave	Manhattan	95	145	30%	270%	3,080,960
Hunter College Main Campus	695 Park Ave	Manhattan	95	242	50%	130%	28,302,668
Kings County Hospital	451 Clarkson Avenue	Brooklyn	95	233	50%	60%	46,800,986
Brooklyn Central Court	120 Schermerhorn St	Brooklyn	95	209	40%	540%	3,702,400
Dr. Susan McKinney Nursing & Rehab	594 Albany Avenue	Brooklyn	95	217	50%	0%	4,340,400
HRA	145 Myrtle Ave	Brooklyn	95	265	60%	0%	9,180,000
Queens College	153-04 61st Road	Queens	95	161	40%	10%	6,369,754
Queens Borough Hall	120-55 Queens Boulevard	Queens	95	206	40%	440%	3,552,000
Queens Criminal Court	125-01 Queens Blvd.	Queens	95	225	50%	10%	10,108,880
GMDC	15-15 Hazen Street	Rikers Island	95	263	60%	0%	7,441,748
Robert N. Davoran Center (RNDC)	11-11 Hazen Street	Rikers Island	95	264	60%	0%	7,644,000
Anna M. Kross Center (AMKC)	18-18 Hazen Street	Rikers Island	95	287	60%	240%	4,299,600
Eric M. Taylor Center (EMTC)	10-10 Hazen Street	Rikers Island	95	262	60%	0%	6,608,800
York College Academic Core Bldg	94-20 Guy Brewer Blvd	Queens	95	184	40%	100%	13,441,374

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
RMSC	19-19 Hazen Street	Rikers Island	95	292	70%	0%	7,142,400
GRVC	09-09 Hazen Street	Rikers Island	95	294	70%	0%	11,751,445
War Memorial Rink	1321 Victory Blvd.	Staten Island	95	138	30%	230%	1,894,720
St. George Ferry Terminal	1 Richmond Terrace	Staten Island	95	201	40%	250%	3,334,400
Haaren Hall	899 10th Ave	Manhattan	90	90	30%	50%	5,111,569
LuEster T. Mertz Library -Watson Building	2674 Dr. Theodore Kazimiroff Blvd.	Bronx	90	253	50%	320%	4,619,200
Volunteers of America, Webster House	1075 Webster Avenue	Bronx	90	12	10%	190%	848,400
Paul Robeson High School	150 Albany Avenue	Brooklyn	90	122	30%	130%	1,548,000
Coney Island Hospital Building 3	2601 Ocean Parkway	Brooklyn	90	197	40%	190%	14,876,951
NYCTC NAMM Commerce Center	300 Jay St	Brooklyn	90	70	30%	0%	8,718,293
Kate Wollman Ice Rink	Ocean Ave. & Lincoln Road	Brooklyn	90	73	30%	10%	2,089,200
NYC Technical College	55 Johnson St/Tech Place	Brooklyn	90	76	30%	30%	1,980,000
Crossroads Juvenile Center	17 Bristol Street	Brooklyn	90	183	40%	100%	2,646,000
Public School 69	6302 9th Avenue	Brooklyn	90	44	20%	80%	1,540,400
OEM Headquarters	1 Red Cross Pl/165 Cadman Plaza	Brooklyn	90	75	30%	20%	1,873,440
Public School 66	881 East 96th Street	Brooklyn	90	47	20%	90%	1,744,600
Central Repair Shop	52-35 58th Street	Queens	90	255	50%	600%	10,488,256
Center 3 building	29-10 Thomson Ave	Queens	90	194	40%	180%	7,599,760
Dept of Health Laboratory	455 1st Ave	Manhattan	85	289	60%	250%	13,540,409
American Museum of Natural History	200 Central Park West	Manhattan	85	279	60%	60%	36,555,472
100 Gold Street	100 Gold Street	Manhattan	85	229	50%	30%	15,998,525
Baruch Vertical Campus	55 Lexington Ave	Manhattan	85	266	60%	0%	13,703,339
Allied Health and Sciences Bldg	475 Grand Concourse	Bronx	85	172	40%	60%	3,055,680
Boys and Girls High School	1700 Fulton Street	Brooklyn	85	196	40%	190%	3,033,600
Queensborough Community College	222-11 56th Avenue	Queens	85	200	40%	240%	12,077,934
Queens Museum of Art	Flushing Meadows Corona Park	Queens	85	245	50%	150%	3,039,840
Building Maintenance Section	59-06 Laurel Hill Boulevard	Queens	85	202	40%	280%	2,888,400
Queens Supreme Court	88-11 Sutphin Boulevard	Queens	85	128	30%	150%	3,906,800
Intermediate School 230	73-10 34th Avenue	Queens	85	52	20%	100%	1,236,000
New Clove Pumping Station	1270 Victory Boulevard	Staten Island	85	216	50%	0%	3,883,200
Coler-Goldwater Specialty Hospital	Main Street	Manhattan	80	211	40%	620%	11,935,548
Coler-Goldwater Specialty Hospital	Main Street	Manhattan	80	212	40%	690%	10,875,204
Lasker Pool and Ice Rink	Central Park	Manhattan	80	82	30%	40%	2,921,688
Police Academy	235 E.20th Street	Manhattan	80	187	40%	140%	3,922,400
BMCC	199 Chambers St	Manhattan	80	299	70%	110%	18,496,800
Central Park Zoo	830 5th ave.	Manhattan	80	258	60%	0%	3,935,200
Bronx Community College - Silver Hall	2254 Sedgwick Ave	Bronx	80	154	40%	0%	3,220,800
Morrisania Diagnostic and Treatment	1225 Gerard Avenue	Bronx	80	79	30%	40%	2,279,200
Bronx Housing Court	1118 Grand Concourse	Bronx	80	67	30%	0%	2,000,800
Edward R Murrow High School	1600 Avenue L	Brooklyn	80	144	30%	270%	2,712,800
Elmhurst Hospital Center	79-01 Broadway	Queens	80	284	60%	180%	34,451,602
Queens Family Court	151-20 Jamaica Ave	Queens	80	275	60%	50%	6,230,400
Public School 58	77 Marsh Avenue	Staten Island	80	91	30%	60%	1,869,600
Manhattan Municipal Building	1 Centre Street	Manhattan	75	182	40%	90%	19,640,566
Law Department Offices	100 Church Street	Manhattan	75	256	60%	0%	3,122,560

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
Graduate School and University Center	365 Fifth Ave	Manhattan	75	164	40%	30%	11,137,192
Hostos Comm. College	500 Grand Concourse	Bronx	75	99	30%	70%	6,924,212
Central Headquarters	131 Livingston Street	Brooklyn	75	74	30%	20%	1,650,800
Cumberland Diagnostic & Treatment	100 North Portland Avenue	Brooklyn	75	254	50%	410%	4,030,680
Brooklyn Supreme Court	360 Adam Street	Brooklyn	75	205	40%	380%	7,563,200
Fort Hamilton High School	8301 Shore Road	Brooklyn	75	193	40%	180%	2,259,600
12 Metrotech	330 Jay Street	Brooklyn	75	158	40%	0%	13,261,806
CUNY Law School	65-21 Main St	Queens	75	95	30%	70%	2,370,400
Queens Central Library	89-11 Merrick Boulevard	Queens	75	238	50%	100%	3,523,800
Bowery Bay WPCP	43-01 Berrian Blvd.	Queens	75	296	70%	30%	49,694,189
R-2 Con Ed SubStation	19-00 Hazen Street	Rikers Island	75	159	40%	0%	39,637,693
Manhattan Detention Center, South	125 White Street	Manhattan	70	221	50%	0%	9,602,400
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	70	208	40%	530%	15,641,239
HS of Law, Government & Justice	244 East 163rd Street	Bronx	70	37	20%	50%	1,982,400
Middle School/ High School 368	2975 Tibbett Avenue	Bronx	70	30	20%	40%	2,738,400
Public School 115	1480 East 92nd Street	Brooklyn	70	58	20%	160%	1,351,800
Public School 152	2310 Glenwood Road	Brooklyn	70	114	30%	120%	1,917,000
Prospect Heights High School	883 Classon Avenue	Brooklyn	70	153	40%	0%	3,055,200
HRA	210 Livingston Street	Brooklyn	70	117	30%	120%	3,217,480
Brooklyn Municipal Building	210 Joralemon Street	Brooklyn	70	98	30%	70%	5,902,677
Brooklyn Civil Supreme	345 Adams St	Brooklyn	70	178	40%	90%	4,155,200
Public School 24	427 38th Street	Brooklyn	70	39	20%	60%	1,050,000
Hillcrest High School	160-05 Highland Avenue	Queens	70	143	30%	250%	2,475,600
Queen's Boro Shop	52-07 58th Street	Queens	70	175	40%	70%	2,934,000
Queens Civil Court	89-17 Sutphin Blvd	Queens	70	163	40%	30%	5,196,000
HS of Law Enforcement & Public Safety	116-25 Guy R. Brewer Boulevard	Queens	70	88	30%	50%	2,856,000
Ferry Maintenance Shop	1 Bay Street	Staten Island	70	234	50%	80%	2,723,000
Public School 56	250 Kramer Avenue	Staten Island	70	45	20%	80%	1,627,200
Public School 6	555 Page Avenue	Staten Island	70	40	20%	60%	1,700,000
Martin Luther King High School	122 Amsterdam Avenue	Manhattan	65	176	40%	70%	7,163,333
Norman Thomas High School	111 East 33rd Street	Manhattan	65	190	40%	150%	3,658,800
CCNY Marshak Science Bldg	181 Convent Ave	Manhattan	65	295	70%	10%	24,619,349
Gouverneur Hospital	227 Madison Street	Manhattan	65	286	60%	220%	6,063,600
Police Headquarters	1 Police Plaza	Manhattan	65	274	60%	30%	22,453,480
Emigrant Savings Bank	49-51 Chambers Street	Manhattan	65	140	30%	240%	2,142,000
Sun Building	280 Broadway	Manhattan	65	170	40%	50%	3,783,200
Stuyvesant High School	345 Chambers Street	Manhattan	65	241	50%	110%	7,344,530
Library and Technology Bldg	151 East 25th St	Manhattan	65	49	20%	90%	9,862,656
Hunter Brookdale	425 East 25th St	Manhattan	65	19	20%	0%	2,062,880
Public School 20	3050 Webster Avenue	Bronx	65	115	30%	120%	2,094,600
NYC Technical College	186 Jay St	Brooklyn	65	171	40%	60%	2,824,800
26th Ward WPCP	122-66 Flatlands Avenue	Brooklyn	65	94	30%	60%	34,538,127
Seaview Hospital Robitzek Building	460 Brielle Avenue	Staten Island	65	248	50%	190%	4,761,600
Public School 130	143 Baxter Street	Manhattan	60	3	10%	10%	910,200
Public School 153	1750 Amsterdam Avenue	Manhattan	60	55	20%	130%	1,211,000

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
Louis D Brandeis High School	145 West 84th Street	Manhattan	60	48	20%	90%	2,955,600
CUNY Central Office	535 East 80th St	Manhattan	60	63	30%	0%	1,560,600
Manhattan Supreme Court	60 Centre St	Manhattan	60	123	30%	130%	5,814,898
Manhattan Civil Court	111 Centre Street	Manhattan	60	106	30%	90%	5,084,800
Manhattan Surrogates Court	21 Chambers St	Manhattan	60	195	40%	190%	1,803,000
Manhattan Family Court	60 Lafayette St	Manhattan	60	108	30%	90%	5,982,420
Health Building	125 Worth St	Manhattan	60	107	30%	90%	5,578,298
Roosevelt Island AVAC Facility	728 Main Street	Roosevelt Island	60	2	10%	0%	1,323,040
Clocktower Building	346 Broadway	Manhattan	60	111	30%	110%	4,017,600
Court Square Building	2-8 Lafayette Street	Manhattan	60	89	30%	50%	4,812,533
Department of Correction HQ	60 Hudson Street	Manhattan	60	215	50%	0%	3,446,400
Public School 48	4360-78 Broadway	Manhattan	60	35	20%	50%	1,618,800
26th Street Repair Shop	640 West 26th	Manhattan	60	104	30%	80%	5,178,743
Intermediate School 90	21 Jumal Place	Manhattan	60	38	20%	50%	2,173,200
Passenger Ship Terminal	711 12th Avenue	Manhattan	60	84	30%	40%	10,790,346
Museum of Jewish Heritage	18 First Place	Manhattan	60	69	30%	0%	5,475,600
Asphalt Green Aqua Center	1750 York Ave.	Manhattan	60	230	50%	60%	3,004,800
Louis J Lefkowitz Building	80 Centre St	Manhattan	60	105	30%	90%	4,647,600
John F Kennedy High School	99 Terrace View Avenue	Bronx	60	249	50%	200%	4,020,000
Intermediate School 84	1434 Longfellow Avenue	Bronx	60	53	20%	110%	1,627,200
Herbert Lehman High School	3000 East Tremont Avenue	Bronx	60	146	30%	290%	3,386,400
Bergen Building	1932 Arthur Ave.	Bronx	60	120	30%	130%	1,365,000
Vernon C. Bain Center (VCBC)	1 Halleck Street	Bronx	60	283	60%	170%	11,697,002
Intermediate School 306	40 West Tremont Avenue	Bronx	60	102	30%	80%	2,134,800
Public School 3	2100 Lafontaine Avenue	Bronx	60	9	10%	100%	756,600
Health Opportunities High School	350 Gerard Avenue	Bronx	60	31	20%	50%	1,104,800
Public School 194	2365 Waterbury Avenue	Bronx	60	174	40%	70%	2,456,000
Intermediate School 324	800 Gates Avenue	Brooklyn	60	57	20%	160%	1,177,200
Intermediate School 392	104 Sutter Avenue	Brooklyn	60	54	20%	120%	1,922,400
Public School 291	231 Palmetto Street	Brooklyn	60	131	30%	180%	1,738,000
Intermediate School 383	1300 Greene Avenue	Brooklyn	60	121	30%	130%	1,531,200
New Utrecht Heights High School	1601 80th Street	Brooklyn	60	135	30%	200%	1,369,200
William H. Maxwel High School	145 Pennsylvania Avenue	Brooklyn	60	137	30%	210%	1,973,600
Public School 314	330 59th Street	Brooklyn	60	101	30%	80%	2,070,800
Public School 2	655 Parkside Avenue	Brooklyn	60	41	20%	60%	1,717,200
Public School 7	858 Jamaica Avenue	Brooklyn	60	33	20%	50%	1,305,600
Public School 395	1001 East 45th Street	Brooklyn	60	87	30%	50%	2,416,800
Public School 16	41-15 104th Street	Queens	60	10	10%	120%	1,301,800
Public School 69	77-02 37th Avenue	Queens	60	51	20%	100%	1,167,200
Public School 77	976 Seneca Avenue	Queens	60	36	20%	50%	1,634,800
Intermediate School 227	32-02 Junction Boulevard	Queens	60	60	20%	180%	1,297,600
Queens College Student Union bldg	66-10 Kissena Blvd	Queens	60	65	30%	0%	1,731,600
DOT facility	34-02 Queens Boulevard	Queens	60	227	50%	30%	2,661,600
Public School 7	80-55 Cornish Avenue	Queens	60	28	20%	40%	1,740,000
Long Island High School	1430 Broadway	Queens	60	167	40%	40%	6,016,017



CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
Public School 161	101-23 124th Street	Queens	60	50	20%	100%	1,023,000
Public School 58	72-50 Grand Avenue	Queens	60	6	10%	60%	1,348,800
Middle School 137	109-01 98th Street	Queens	60	18	20%	0%	1,960,800
Public School 239	1715 Weirfield Street	Queens	60	4	10%	50%	1,198,800
Public School/ Intermediate School 266	74-10 Commonwealth Blvd	Queens	60	42	20%	70%	1,596,400
High School for Teaching	74-20 Commonwealth Blvd	Queens	60	20	20%	0%	3,149,760
Public School 208	74-30 Commonwealth Blvd	Queens	60	78	30%	40%	2,084,400
Public School 268	175-02 Jamaica Avenue	Queens	60	32	20%	50%	1,302,400
Public School 270	233-15 Merrick Boulevard	Queens	60	5	10%	60%	1,076,800
Information Technology High School	21-16 44th Road	Queens	60	165	40%	40%	2,127,200
Boat House in FMCP	Flushing Meadows Corona Park	Queens	60	15	20%	0%	1,601,600
Public School 254	84-40 101st Street	Queens	60	8	10%	90%	1,087,200
Public School 499	148-20 Reeves Avenue	Queens	60	29	20%	40%	1,954,400
Hannah Street Pumping Station	1 Hannah Street	Staten Island	60	16	20%	0%	1,634,400
Port Richmond High School	85 St. Joseph Avenue	Staten Island	60	132	30%	180%	2,655,000
Public School 8	100 Lindenwood Road	Staten Island	60	198	40%	210%	3,814,440
George Washington High School	549 Audobon Avenue	Manhattan	55	148	30%	400%	2,376,600
Metropolitan Museum of Art	1000 Fifth Avenue	Manhattan	55	300	70%	110%	66,244,272
Wards Island WPCP	Wards/Randalls Islands	Manhattan	55	272	60%	10%	91,993,930
Fiorello Laguardia High School	108 Amsterdam Avenue	Manhattan	55	118	30%	120%	6,237,925
North River WPCP	725 135th Street and 12th Avenue	Manhattan	55	303	80%	170%	54,755,967
Home Life Building	253 Broadway	Manhattan	55	126	30%	150%	2,466,000
FISA	450 West 33rd Street	Manhattan	55	293	70%	0%	10,337,440
Administrative Building	65 Court Street	Brooklyn	55	93	30%	60%	7,055,883
John Dewey High School	50 Avenue X	Brooklyn	55	136	30%	200%	3,350,400
Medgar Evers Comm College	1150 Carroll St	Brooklyn	55	240	50%	110%	3,908,400
Queens Hospital Center	82-68 64th Avenue	Queens	55	199	40%	210%	17,674,920
R-3 Con Ed SubStation	15-27 Hazen Street	Rikers Island	55	219	50%	0%	7,388,546
West Facility (WF)	16-06 Hazen Street	Rikers Island	55	72	30%	0%	19,391,074
Fresh Kills Landfill Gas Purification	1010 Muldoon Avenue	Staten Island	55	22	20%	0%	5,106,400
Public School 47	225 East 23rd Street	Manhattan	50	11	10%	160%	1,032,600
Public School 50	433 East 100th Street	Manhattan	50	100	30%	80%	1,518,800
Junior High School 88	215 West 114th Street	Manhattan	50	125	30%	140%	2,469,600
High School of Graphic Communication Arts	439 West 49th Street	Manhattan	50	124	30%	140%	1,510,400
Park West High School	525 West 50th Street	Manhattan	50	203	40%	290%	3,140,400
Murray Bergrtraum High School	411 Pearl Street	Manhattan	50	250	50%	210%	4,234,800
Icahn Stadium	200 Randalls Island	Randalls Island	50	27	20%	40%	1,526,000
5-Boro Shops and Automobile Garage	1 Randalls Island	Randalls Island	50	204	40%	300%	2,041,680
HRA Office	250 Church St	Manhattan	50	179	40%	90%	4,555,920
HRA Office	330 West 34th Street	Manhattan	50	181	40%	90%	6,646,716
HRA Office	8-12 West 14th Street	Manhattan	50	213	50%	0%	2,965,200
HRA Office	109 East 16th Street	Manhattan	50	83	30%	40%	5,363,400
Manhattan Sewage Pumping Station	184 Avenue D	Manhattan	50	23	20%	0%	14,162,143
NY State Theater	West 62nd & Columbus Ave	Manhattan	50	157	40%	0%	4,298,400
Junior High School 131	100 Hester Street	Manhattan	50	113	30%	120%	1,603,600

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
44 Beaver	44 Beaver Street	Manhattan	50	92	30%	60%	2,173,982
Intermediate School 116	977 Fox Street	Bronx	50	173	40%	70%	2,076,800
Intermediate School 158	800 Home Street	Bronx	50	185	40%	110%	2,047,344
Bronx High School of Science	75 West 205th Street	Bronx	50	142	30%	250%	1,568,000
Adlai E Stevenson High School	1980 Lafayette Avenue	Bronx	50	141	30%	240%	2,434,960
Public School 229	279 Harlem River Park Bridge	Bronx	50	77	30%	30%	2,684,800
Public School 15	2195 Andrews Avenue	Bronx	50	103	30%	80%	2,408,000
Bronx County Court	851 Grand Concourse	Bronx	50	119	30%	120%	6,392,987
HRA facility	260 East 161st	Bronx	50	116	30%	120%	2,626,400
HRA	1916 Monterey Avenue	Bronx	50	85	30%	50%	2,069,600
Brooklyn Academy of Music	651 Fulton Ave	Brooklyn	50	110	30%	110%	2,118,760
Eastern District High School	850 Grand Street	Brooklyn	50	129	30%	160%	2,690,400
HRA	240 Livingston St	Brooklyn	50	166	40%	40%	3,921,600
Intermediate School 61	98-50 50th Avenue	Queens	50	112	30%	120%	1,524,000
Intermediate School 67	51-60 Marathon Parkway	Queens	50	13	10%	250%	756,000
Public School 108	108-10 109th Avenue	Queens	50	56	20%	130%	1,383,000
Franklin K Lane High School	8600 Dexter Court	Queens	50	207	40%	450%	2,066,400
John Bowne High School	63-25 Main Street	Queens	50	62	20%	260%	1,592,400
Queens Vocational High School	37-02 47th Avenue	Queens	50	186	40%	130%	2,801,600
Division Of School Facilities	28-11 Queens Plaza North	Queens	50	80	30%	40%	2,746,300
Benjamin N Cardoza High School	5700 223rd Street	Queens	50	139	30%	230%	2,059,200
York College	94-43 Guy Brewer Blvd	Queens	50	1	10%	0%	734,400
Tallman Island WPCP	127-11 Powells Cove Blvd.	Queens	50	301	70%	550%	8,984,490
Public School 721	57-12 94th Street	Queens	50	26	20%	40%	1,332,000
Intermediate School 5	50-40 Jacobus Street	Queens	50	46	20%	80%	2,580,000
Tottenville High School	100 Luten Avenue	Staten Island	50	134	30%	190%	2,669,800
New Dorp High School	465 New Dorp Lane	Staten Island	50	127	30%	150%	2,998,800
Carnegie Hall	881 7th Avenue	Manhattan	45	276	60%	60%	6,070,400
Hunts Point WPCP	1400 East Bay Avenue	Bronx	45	271	60%	10%	57,603,720
Red Hook WPCP	63 Flushing Avenue	Brooklyn	45	273	60%	30%	16,637,684
Office Of Purchasing Management	44-36 Vernon Boulevard	Queens	45	180	40%	90%	6,407,966
Jamaica WPCP	150-20 134th Street	Queens	45	7	10%	60%	48,024,793
Oakwood Beach WPCP	751 Mill Road	Staten Island	45	297	70%	60%	20,231,407
Public School 169	110 East 88th Street	Manhattan	40	66	30%	0%	1,989,600
CCNY - Finley; Eisner Hall	161 St Nicholas Terrace	Manhattan	40	224	50%	10%	4,299,780
John Jay North Hall	445 West 59th	Manhattan	40	191	40%	150%	4,835,600
Public School 217	645 Main Street	Manhattan	40	17	20%	0%	1,928,800
Intermediate School 137	2225 Webster Avenue	Bronx	40	97	30%	70%	2,721,600
Intermediate School 151	250 East 156th Street	Bronx	40	21	20%	0%	4,296,126
Harry S Truman High School	750 Baychester Avenue	Bronx	40	71	30%	0%	13,680,472
Bronx Municipal Health Center	1400 Pelham Parkway South	Bronx	40	261	60%	0%	5,097,600
Intermediate School 391	790 East New York Avenue	Brooklyn	40	34	20%	50%	1,562,400
Brooklyn Technical High School	29 Ft. Greene Place	Brooklyn	40	210	40%	600%	3,159,600
Kingsborough Community College	2055 thru 2131 Oriental blvd	Brooklyn	40	68	30%	0%	2,433,600
Brooklyn Central Laundry	645 Kingston Avenue	Brooklyn	40	149	40%	0%	2,222,400

CHP-1: CHP Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
Medgar Evers Youth Collective	925 Franklin Ave	Brooklyn	40	151	40%	0%	2,817,600
Francis Lewis High School	58-20 Utopia Parkway	Queens	40	59	20%	160%	1,723,160
HRA Headquarters	180 Water Street (126 John)	Manhattan	30	298	70%	80%	12,222,598
59 Maiden Lane/60 John Street	66 John Street	Manhattan	30	259	60%	0%	3,956,800
Hunts Point Produce Market	East Bay Avenue & Halleck St	Bronx	30	235	50%	80%	3,692,000
SCA Headquarters	30-30 Thomson Ave	Queens	30	218	50%	0%	4,773,600
SCA Headquarters	30-30 Thomson Ave	Queens	30	156	40%	0%	4,277,600
Coney Island WPCP	3201 Knapp Street	Brooklyn	25	302	80%	90%	34,029,344
Owls Head WPCP	6700 Shore Road	Brooklyn	25	237	50%	90%	21,898,759
Public Theater/Shakespeare in the Park	425 Lafayette Street	Manhattan	20	169	40%	50%	2,016,000
DCAS Central Storehouse	66-26 Metropolitan Avenue	Queens	20	133	30%	190%	2,288,400
FIT Buildings A & B	West 27th btw 7th & 8th Avenues	Manhattan	0	285	60%	200%	25,057,917
42nd St Central Library	454 5th Avenue	Manhattan	0	278	60%	60%	13,075,938
Mid-Manhattan Branch Library	455 5th Avenue	Manhattan	0	252	50%	300%	3,225,840
Lincoln Center Performing Arts Library	111 Amsterdam Ave	Manhattan	0	291	70%	0%	4,370,400
New York City Fire Academy	Randall's Island	Randalls Island	0	155	40%	0%	3,839,200
Dept of Health & Mental Hygeine	95 Worth Street	Manhattan	0	14	20%	0%	1,363,600
Dept for the Aging Offices	220 Church St.	Manhattan	0	64	30%	0%	1,719,360
Chief Medical Examiner's Building	520 1st Avenue	Manhattan	0	239	50%	100%	3,688,800
2 Washington Street	2 Washington Street	Manhattan	0	214	50%	0%	3,396,000
Library of Science, Industry, and Business	188 Madison Ave	Manhattan	0	270	60%	10%	6,014,400
EMS DNA Laboratory	421 East 26th St	Manhattan	0	25	20%	20%	5,549,280
Bronx Reference Center Library	310 E Kingsbridge Rd	Bronx	0	162	40%	30%	2,139,200
Brooklyn Central Library	Flatbush & Eastern Parkway	Brooklyn	0	109	30%	100%	4,743,040
Technology Center	11 Metrotech	Brooklyn	0	222	50%	0%	13,848,703
Fire Headquarters	9 Metro Tech	Brooklyn	0	220	50%	0%	8,175,698
LaGuardia Community	31-10 Thomson Avenue	Queens	0	168	40%	40%	11,644,800
HHC Office	59-17 Junction Boulevard	Queens	0	236	50%	80%	11,007,298
Fort Totten	318 Cross Island Parkway	Queens	0	150	40%	0%	2,800,000
Queens Bus Facility	128-10 26th Ave	Queens	0	260	60%	0%	4,651,382
Snug Harbor Center	914 Richmond Terrace	Staten Island	0	189	40%	150%	2,911,200
Port Richmond WPCP	1801 Richmond Terr.	Staten Island	0	267	60%	0%	23,316,022
Homeport	405 Front Street	Staten Island	0	130	30%	170%	3,427,547

CHP-1A: High-Ranking Facilities for CHP Application

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
GRVC	09-09 Hazen Street	Rikers Island	95	294	70%	0%	11,751,445
RMSC	19-19 Hazen Street	Rikers Island	95	292	70%	0%	7,142,400
Brooklyn College Campus	Bedford Ave and Ave H	Brooklyn	120	290	60%	250%	37,177,606
Lehman College Campus	250 Bedford Park Blvd - West	Bronx	120	288	60%	240%	17,149,486
Anna M. Kross Center (AMKC)	18-18 Hazen Street	Rikers Island	95	287	60%	240%	4,299,600
Queens College Academic II	65-30 Kissena Blvd	Queens	115	282	60%	140%	25,950,270
Harlem Hospital	506 Lenox Avenue	Manhattan	130	281	60%	100%	22,756,591
New York Aquarium	West 8th & Surf Avenue	Brooklyn	100	280	60%	80%	9,916,800
Bronx Family Court	215 East 161st Street	Bronx	100	277	60%	60%	12,416,171
Whitehall Ferry Terminal	4 South Street	Manhattan	105	269	60%	10%	3,928,800
Newtown Creek WPCP	301 Greenpoint Avenue	Brooklyn	110	268	60%	0%	71,321,743
HRA Office	145 Myrtle Ave	Brooklyn	95	265	60%	0%	9,180,000
Robert N. Davoran Center (RNDC)	11-11 Hazen Street	Rikers Island	95	264	60%	0%	7,644,000
GMDC	15-15 Hazen Street	Rikers Island	95	263	60%	0%	7,441,748
Eric M. Taylor Center (EMTC)	10-10 Hazen Street	Rikers Island	95	262	60%	0%	6,608,800
Carman Hall	2790 Goulden Ave	Bronx	110	257	60%	0%	3,682,400
Metropolitan Hospital Center	1901 First Avenue	Manhattan	100	251	50%	270%	22,126,936
Bellevue Hospital	462 First Avenue	Manhattan	125	247	50%	180%	61,369,014
North Central Bronx Hospital	3424 Kossuth Avenue	Bronx	115	246	50%	170%	20,380,984
Brooklyn Museum	200 Eastern Parkway	Brooklyn	130	244	50%	140%	10,173,000
Lincoln Hospital	234 149th Street	Bronx	105	243	50%	130%	35,130,574
Hunter College Main Campus	695 Park Ave	Manhattan	95	242	50%	130%	28,302,668
Kings County Hospital	451 Clarkson Avenue	Brooklyn	95	233	50%	60%	46,800,986
College of Staten Island	2800 Victory Blvd	Staten Island	105	232	50%	60%	32,229,870
Woodhull Medical & Mental Health Center	760 Broadway	Brooklyn	125	231	50%	60%	29,829,711
R&T Building	48-34 35th St	Queens	105	228	50%	30%	3,186,240
Bliss Hall	145 West 180 th St	Bronx	110	226	50%	20%	7,899,882
Queens Criminal Court	125-01 Queens Blvd.	Queens	95	225	50%	10%	10,108,880
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	140	223	50%	0%	17,959,655
Dr. Susan Smith McKinney Nursing & Rehab	594 Albany Avenue	Brooklyn	95	217	50%	0%	4,340,400
Brooklyn Central Court	120 Schermerhorn St	Brooklyn	95	209	40%	540%	3,702,400
Queens Borough Hall	120-55 Queens Boulevard	Queens	95	206	40%	440%	3,552,000
St. George Ferry Terminal	1 Richmond Terrace	Staten Island	95	201	40%	250%	3,334,400

CHP-1A: High-Ranking Facilities for CHP Application

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>CHP ASSESSMENT SCORE</u>	<u>CHP FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>		<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>THERMAL/ ELECTRIC LOAD FACTOR % GROUP</u>	<u>ANNUAL ELECTRIC CONSUMPTION (KWH)</u>
CCNY North Academic Center - North Campus	160 Convent Ave	Manhattan	110	192		40%	150%	23,000,471
Jamaica Lab	150-14 Jamaica Avenue	Queens	120	188		40%	140%	5,295,600
York College Academic Core Building	94-20 Guy Brewer Blvd	Queens	95	184		40%	100%	13,441,374
Horizon Juvenile Center	560 Brook Avenue	Bronx	110	177		40%	90%	2,730,400
Queens College	153-04 61st Road	Queens	95	161		40%	10%	6,369,754
Kings County Hospital Food Service	599 Kingston Avenue	Brooklyn	125	160		40%	10%	2,178,600
World's Fair/ Ice Skating Rink	52-01 Grand Central Pkwy	Queens	105	152		40%	0%	2,873,600
Manhattan Criminal Court	100 Centre Street	Manhattan	100	147		30%	360%	9,603,600
17 Lexington Ave	17 Lexington Ave	Manhattan	95	145		30%	270%	3,080,960
War Memorial Rink	1321 Victory Blvd.	Staten Island	95	138		30%	230%	1,894,720
The International Plant Science Center	2680 Dr. Theodore Kazimiroff Blvd.	Bronx	105	96		30%	70%	2,502,700
Klapper Hall	65-30 Kissena Blvd	Queens	115	86		30%	50%	2,089,200
Brooklyn Cruise Ship Terminal	King & Ferris Sts, Pier 12, Bldg 112	Brooklyn	105	81		30%	40%	2,853,000
Kingsborough Community College	2001 Oriental Blvd	Brooklyn	100	61		20%	200%	19,708,646
NY Hall of Science	47-01 111th Street	Queens	110	43		20%	70%	3,047,200
179th Street Pumping Station	2405 Amsterdam Avenue	Manhattan	105	24		20%	10%	1,658,140

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
New York Aquarium	West 8th & Surf Avenue	Brooklyn	125	18	60%	70%	\$0.09
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	115	73	50%	60%	\$0.12
Brooklyn Museum	200 Eastern Parkway	Brooklyn	115	76	50%	60%	\$0.12
GMDC	15-15 Hazen Street	Rikers Island	110	48	60%	60%	\$0.12
Robert N. Davoran Center (RNDC)	11-11 Hazen Street	Rikers Island	110	33	60%	70%	\$0.11
Anna M. Kross Center (AMKC)	18-18 Hazen Street	Rikers Island	110	22	60%	70%	\$0.09
Eric M. Taylor Center (EMTC)	10-10 Hazen Street	Rikers Island	110	37	60%	60%	\$0.10
RMSC	19-19 Hazen Street	Rikers Island	110	12	70%	70%	\$0.09
GRVC	09-09 Hazen Street	Rikers Island	110	13	70%	70%	\$0.11
R-2 Con Ed SubStation	19-00 Hazen Street	Rikers Island	110	95	40%	60%	\$0.11
Harlem Hospital	506 Lenox Avenue	Manhattan	105	28	60%	70%	\$0.11
CCNY North Academic Center	160 Convent Ave	Manhattan	105	96	40%	60%	\$0.12
Lehman College Campus	250 Bedford Park Blvd - West	Bronx	105	47	60%	60%	\$0.12
Bliss Hall	145 West 180 th St	Bronx	105	91	50%	50%	\$0.13
LuEster T. Mertz Library -Watson Building	2674 Dr. Theodore Kazimiroff Blvd.	Bronx	105	81	50%	50%	\$0.10
International Plant Science Center	2680 Dr. Theodore Kazimiroff Blvd.	Bronx	105	156	30%	70%	\$0.09
Brooklyn College Campus	Bedford Ave and Ave H	Brooklyn	105	24	60%	70%	\$0.10
Kingsborough Community College	2001 Oriental Blvd	Brooklyn	105	274	20%	30%	\$0.17
Newtown Creek WPCP	301 Greenpoint Avenue	Brooklyn	105	17	60%	70%	\$0.08
Jamaica Lab	150-14 Jamaica Avenue	Queens	105	93	40%	60%	\$0.10
Bellevue Hospital	462 First Avenue	Manhattan	95	50	50%	70%	\$0.11
179th Street Pumping Station	2405 Amsterdam Avenue	Manhattan	95	276	20%	20%	\$0.13
Kate Wollman Ice Rink	Ocean Ave. & Lincoln Road	Brooklyn	95	240	30%	20%	\$0.14
Kings County Hospital Food Service	599 Kingston Avenue	Brooklyn	95	114	40%	50%	\$0.10
Brooklyn Cruise Ship Terminal	King & Ferris Sts, Pier 12, Bldg 112	Brooklyn	95	187	30%	40%	\$0.12
World's Fair Ice Skating Rink	52-01 Grand Central Pkwy	Queens	95	145	40%	40%	\$0.11
NYC Technical College	186 Jay St	Brooklyn	90	153	40%	40%	\$0.12
R&T Building	48-34 35th St	Queens	90	61	50%	60%	\$0.10
Building Maintenance Section	59-06 Laurel Hill Boulevard	Queens	90	110	40%	50%	\$0.10
West Facility (WF)	16-06 Hazen Street	Rikers Island	90	184	30%	40%	\$0.12
Whitehall Ferry Terminal	4 South Street	Manhattan	85	42	60%	60%	\$0.10
17 Lexington Ave	17 Lexington Ave	Manhattan	85	188	30%	40%	\$0.12
Hunter College Main Campus	695 Park Ave	Manhattan	85	71	50%	60%	\$0.12
Coler-Goldwater Specialty Hospital	Main Street	Manhattan	85	131	40%	50%	\$0.13
Manhattan Criminal Court	100 Centre Street	Manhattan	85	163	30%	50%	\$0.13
Haaren Hall	899 10th Ave	Manhattan	85	212	30%	40%	\$0.15
Bronx Community College - Silver Hall	2254 Sedgwick Ave	Bronx	85	152	40%	40%	\$0.12
North Central Bronx Hospital	3424 Kossuth Avenue	Bronx	85	67	50%	60%	\$0.11
Bronx Family Court	215 East 161st Street	Bronx	85	31	60%	70%	\$0.11
Hostos Comm. College	500 Grand Concourse	Bronx	85	168	30%	40%	\$0.11
Kings County Hospital	451 Clarkson Avenue	Brooklyn	85	69	50%	60%	\$0.12
Woodhull Medical Center	760 Broadway	Brooklyn	85	66	50%	60%	\$0.11
NYCTC NAMM Commerce Center	300 Jay St	Brooklyn	85	208	30%	40%	\$0.15
NYC Technical College	55 Johnson St/Tech Place	Brooklyn	85	181	30%	40%	\$0.11

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
Dr. Susan McKinney Nursing & Rehab	594 Albany Avenue	Brooklyn	85	57	50%	60%	\$0.10
CUNY Law School	65-21 Main St	Queens	85	172	30%	40%	\$0.11
York College Academic Core Bldg	94-20 Guy Brewer Blvd	Queens	85	130	40%	50%	\$0.13
Center 3 building	29-10 Thomson Ave	Queens	85	137	40%	40%	\$0.11
War Memorial Rink	1321 Victory Blvd.	Staten Island	85	239	30%	20%	\$0.13
Carman Hall	2790 Goulden Ave	Bronx	80	23	60%	70%	\$0.09
Volunteers of America, Webster House	1075 Webster Avenue	Bronx	80	300	10%	10%	\$0.14
Horizon Juvenile Center	560 Brook Avenue	Bronx	80	112	40%	50%	\$0.10
Medgar Evers Comm College	1150 Carroll St	Brooklyn	80	60	50%	60%	\$0.10
Crossroads Juvenile Center	17 Bristol Street	Brooklyn	80	120	40%	50%	\$0.11
OEM Headquarters	1 Red Cross Pl/165 Cadman Plaza	Brooklyn	80	162	30%	50%	\$0.10
Queens Supreme Court	88-11 Sutphin Boulevard	Queens	80	222	30%	30%	\$0.13
Central Repair Shop	52-35 58th Street	Queens	80	75	50%	60%	\$0.12
R-3 Con Ed SubStation	15-27 Hazen Street	Rikers Island	80	52	50%	70%	\$0.11
Marshak Science Bldg	181 Convent Ave	Manhattan	75	8	70%	80%	\$0.11
Coler-Goldwater Specialty Hospital	Main Street	Manhattan	75	127	40%	50%	\$0.12
BMCC	199 Chambers St	Manhattan	75	9	70%	80%	\$0.11
100 Gold Street	100 Gold Street	Manhattan	75	89	50%	50%	\$0.12
Lincoln Hospital	234 149th Street	Bronx	75	51	50%	70%	\$0.11
Queens College	153-04 61st Road	Queens	75	99	40%	60%	\$0.12
QNS College Academic II	65-30 Kissena Blvd	Queens	75	26	60%	70%	\$0.11
Queensborough Community College	222-11 56th Avenue	Queens	75	132	40%	50%	\$0.13
Queens Museum of Art	Flushing Meadows Corona Park	Queens	75	79	50%	50%	\$0.09
Klapper Hall	65-30 Kissena Blvd	Queens	75	225	30%	30%	\$0.13
St. George Ferry Terminal	1 Richmond Terrace	Staten Island	75	92	40%	60%	\$0.09
College of Staten Island	2800 Victory Blvd	Staten Island	75	70	50%	60%	\$0.12
CUNY Central Office	535 East 80th St	Manhattan	70	183	30%	40%	\$0.11
Law Department Offices (leased)	100 Church Street	Manhattan	70	43	60%	60%	\$0.10
Morrisania Diagnostic and Treatment	1225 Gerard Avenue	Bronx	70	192	30%	40%	\$0.12
Bronx Housing Court	1118 Grand Concourse	Bronx	70	195	30%	40%	\$0.12
NY Hall of Science	47-01 111th Street	Queens	70	250	20%	30%	\$0.13
Queens Central Library	89-11 Merrick Boulevard	Queens	70	84	50%	50%	\$0.10
Queens College Student Union bldg	66-10 Kissena Blvd	Queens	70	182	30%	40%	\$0.11
Boat House in FMCP	Flushing Meadows Corona Park	Queens	70	289	20%	20%	\$0.17
Metropolitan Hospital Center	1901 First Avenue	Manhattan	65	72	50%	60%	\$0.12
American Museum of Natural History	200 Central Park West	Manhattan	65	46	60%	60%	\$0.12
Police Headquarters	1 Police Plaza	Manhattan	65	29	60%	70%	\$0.11
Library and Technology Bldg	151 East 25th St	Manhattan	65	258	20%	30%	\$0.14
Baruch Vertical Campus	55 Lexington Ave	Manhattan	65	44	60%	60%	\$0.11
Hunter Brookdale	425 East 25th St	Manhattan	65	272	20%	30%	\$0.15
Allied Health and Sciences Bldg	475 Grand Concourse	Bronx	65	144	40%	40%	\$0.11
Central Headquarters	131 Livingston Street	Brooklyn	65	199	30%	40%	\$0.12
Brooklyn Supreme Court	360 Adam Street	Brooklyn	65	101	40%	50%	\$0.10
Brooklyn Central Court	120 Schermerhorn St	Brooklyn	65	106	40%	50%	\$0.10

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
HRA	145 Myrtle Ave	Brooklyn	65	19	60%	70%	\$0.09
12 Metrotech	330 Jay Street	Brooklyn	65	128	40%	50%	\$0.13
Elmhurst Hospital Center	79-01 Broadway	Queens	65	25	60%	70%	\$0.11
Queens Borough Hall	120-55 Queens Boulevard	Queens	65	118	40%	50%	\$0.11
Queens Criminal Court	125-01 Queens Blvd.	Queens	65	74	50%	60%	\$0.12
Tallman Island WPCP	127-11 Powells Cove Blvd.	Queens	65	4	70%	80%	\$0.07
Bowery Bay WPCP	43-01 Berrian Blvd.	Queens	65	11	70%	70%	\$0.07
New Clove Pumping Station	1270 Victory Boulevard	Staten Island	65	54	50%	60%	\$0.09
Seaview Hospital Robitzek Building	460 Brielle Avenue	Staten Island	65	56	50%	60%	\$0.10
Fresh Kills Landfill Gas Purification	1010 Muldoon Avenue	Staten Island	65	242	20%	40%	\$0.09
Roosevelt Island AVAC Facility	728 Main Street	Roosevelt Island	60	303	10%	10%	\$0.33
Department of Correction HQ	60 Hudson Street	Manhattan	60	85	50%	50%	\$0.10
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	60	116	40%	50%	\$0.11
HS of Law, Government & Justice	244 East 163rd Street	Bronx	60	251	20%	30%	\$0.13
Middle School/ High School 368	2975 Tibbett Avenue	Bronx	60	245	20%	40%	\$0.12
Public School 115	1480 East 92nd Street	Brooklyn	60	271	20%	30%	\$0.14
Public School 152	2310 Glenwood Road	Brooklyn	60	197	30%	40%	\$0.12
Paul Robeson High School	150 Albany Avenue	Brooklyn	60	229	30%	30%	\$0.13
Prospect Heights High School	883 Classon Avenue	Brooklyn	60	108	40%	50%	\$0.10
Brooklyn Municipal Building	210 Joralemon Street	Brooklyn	60	202	30%	40%	\$0.14
Brooklyn Civil Supreme	345 Adams St	Brooklyn	60	105	40%	50%	\$0.10
Public School 24	427 38th Street	Brooklyn	60	287	20%	20%	\$0.15
Public School 69	6302 9th Avenue	Brooklyn	60	262	20%	30%	\$0.14
Public School 66	881 East 96th Street	Brooklyn	60	249	20%	30%	\$0.12
York College	94-43 Guy Brewer Blvd	Queens	60	302	10%	10%	\$0.22
Queen's Boro Shop	52-07 58th Street	Queens	60	107	40%	50%	\$0.10
Queens Civil Court	89-17 Sutphin Blvd	Queens	60	138	40%	40%	\$0.11
Queens Family Court	151-20 Jamaica Ave	Queens	60	36	60%	60%	\$0.09
HS of Law Enforcement & Public Safety	116-25 Guy R. Brewer Boulevard	Queens	60	233	30%	30%	\$0.14
Hannah Street Pumping Station	1 Hannah Street	Staten Island	60	267	20%	30%	\$0.14
Public School 58	77 Marsh Avenue	Staten Island	60	226	30%	30%	\$0.13
Dept of Health Laboratory	455 1st Ave	Manhattan	55	30	60%	70%	\$0.11
Wards Island WPCP	Wards/Randalls Islands	Manhattan	55	16	60%	70%	\$0.08
North River WPCP	725 135th Street and 12th Avenue	Manhattan	55	1	80%	80%	\$0.07
Stuyvesant High School	345 Chambers Street	Manhattan	55	77	50%	60%	\$0.12
Graduate School and University Center	365 Fifth Ave	Manhattan	55	133	40%	50%	\$0.13
FISA	450 West 33rd Street	Manhattan	55	5	70%	80%	\$0.09
Public School 20	3050 Webster Avenue	Bronx	55	179	30%	40%	\$0.11
Coney Island Hospital Building 3	2601 Ocean Parkway	Brooklyn	55	126	40%	50%	\$0.12
Cumberland Diagnostic & Treatment	100 North Portland Avenue	Brooklyn	55	59	50%	60%	\$0.10
Intermediate School 230	73-10 34th Avenue	Queens	55	283	20%	20%	\$0.15
Public School 130	143 Baxter Street	Manhattan	50	298	10%	20%	\$0.18
Public School 153	1750 Amsterdam Avenue	Manhattan	50	279	20%	20%	\$0.14
CCNY - Finley; Eisner Hall	161 St Nicholas Terrace	Manhattan	50	58	50%	60%	\$0.10



DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
Icahn Stadium	200 Randalls Island	Randalls Island	50	278	20%	20%	\$0.14
5-Boro Shops and Automobile Garage	1 Randalls Island	Randalls Island	50	125	40%	50%	\$0.11
Lasker Pool and Ice Rink	Central Park	Manhattan	50	241	30%	10%	\$0.20
NY State Theater	West 62nd & Columbus Ave	Manhattan	50	151	40%	40%	\$0.12
Manhattan Detention Center, South	125 White Street	Manhattan	50	49	50%	70%	\$0.09
Public School 48	4360-78 Broadway	Manhattan	50	253	20%	30%	\$0.13
26th Street Repair Shop	640 West 26th	Manhattan	50	165	30%	50%	\$0.13
Intermediate School 90	21 Jumal Place	Manhattan	50	243	20%	40%	\$0.11
Passenger Ship Terminal	711 12th Avenue	Manhattan	50	237	30%	30%	\$0.16
Asphalt Green Aqua Center	1750 York Ave.	Manhattan	50	55	50%	60%	\$0.09
Bronx Municipal Health Center	1400 Pelham Parkway South	Bronx	50	39	60%	60%	\$0.10
Bergen Building	1932 Arthur Ave.	Bronx	50	232	30%	30%	\$0.13
Public School 3	2100 Lafontaine Avenue	Bronx	50	299	10%	20%	\$0.18
Health Opportunities High School	350 Gerard Avenue	Bronx	50	288	20%	20%	\$0.16
Public School 194	2365 Waterbury Avenue	Bronx	50	111	40%	50%	\$0.10
Intermediate School 392	104 Sutter Avenue	Brooklyn	50	281	20%	20%	\$0.15
New Utrecht Heights High School	1601 80th Street	Brooklyn	50	220	30%	30%	\$0.12
William H. Maxwel High School	145 Pennsylvania Avenue	Brooklyn	50	227	30%	30%	\$0.13
HRA	210 Livingston Street	Brooklyn	50	186	30%	40%	\$0.12
Kingsborough Community College	2055 thru 2131 Oriental blvd	Brooklyn	50	161	30%	50%	\$0.10
Brooklyn Central Laundry	645 Kingston Avenue	Brooklyn	50	123	40%	50%	\$0.11
Public School 314	330 59th Street	Brooklyn	50	173	30%	40%	\$0.11
Medgar Evers Youth Collective	925 Franklin Ave	Brooklyn	50	146	40%	40%	\$0.11
Public School 2	655 Parkside Avenue	Brooklyn	50	263	20%	30%	\$0.14
Public School 7	858 Jamaica Avenue	Brooklyn	50	256	20%	30%	\$0.13
Public School 395	1001 East 45th Street	Brooklyn	50	234	30%	30%	\$0.14
Public School 16	41-15 104th Street	Queens	50	292	10%	20%	\$0.15
Public School 69	77-02 37th Avenue	Queens	50	290	20%	10%	\$0.20
Public School 77	976 Seneca Avenue	Queens	50	282	20%	20%	\$0.15
DOT facility	34-02 Queens Boulevard	Queens	50	65	50%	60%	\$0.10
Public School 7	80-55 Cornish Avenue	Queens	50	280	20%	20%	\$0.15
Long Island High School	1430 Broadway	Queens	50	136	40%	50%	\$0.13
Public School 161	101-23 124th Street	Queens	50	284	20%	20%	\$0.15
Public School 58	72-50 Grand Avenue	Queens	50	293	10%	20%	\$0.17
Middle School 137	109-01 98th Street	Queens	50	261	20%	30%	\$0.14
Public School 239	1715 Weirfield Street	Queens	50	294	10%	20%	\$0.17
Public School/ Intermediate School 266	74-10 Commonwealth Blvd	Queens	50	266	20%	30%	\$0.14
High School for Teaching	74-20 Commonwealth Blvd	Queens	50	244	20%	40%	\$0.12
Public School 208	74-30 Commonwealth Blvd	Queens	50	191	30%	40%	\$0.12
Public School 268	175-02 Jamaica Avenue	Queens	50	269	20%	30%	\$0.14
Public School 270	233-15 Merrick Boulevard	Queens	50	297	10%	20%	\$0.17
Information Technology High School	21-16 44th Road	Queens	50	121	40%	50%	\$0.11
Public School 254	84-40 101st Street	Queens	50	296	10%	20%	\$0.17
Public School 499	148-20 Reeves Avenue	Queens	50	252	20%	30%	\$0.13

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
Public School 8	100 Lindenwood Road	Staten Island	50	140	40%	40%	\$0.11
Ferry Maintenance Shop	1 Bay Street	Staten Island	50	64	50%	60%	\$0.10
Public School 56	250 Kramer Avenue	Staten Island	50	260	20%	30%	\$0.14
Public School 6	555 Page Avenue	Staten Island	50	255	20%	30%	\$0.13
Martin Luther King High School	122 Amsterdam Avenue	Manhattan	45	98	40%	60%	\$0.12
Norman Thomas High School	111 East 33rd Street	Manhattan	45	141	40%	40%	\$0.11
Manhattan Municipal Building	1 Centre Street	Manhattan	45	97	40%	60%	\$0.12
Manhattan Sewage Pumping Station	184 Avenue D	Manhattan	45	247	20%	40%	\$0.15
Emigrant Savings Bank	49-51 Chambers Street	Manhattan	45	177	30%	40%	\$0.11
Sun Building	280 Broadway	Manhattan	45	119	40%	50%	\$0.11
Hunts Point WPCP	1400 East Bay Avenue	Bronx	45	14	60%	70%	\$0.07
26th Ward WPCP	122-66 Flatlands Avenue	Brooklyn	45	158	30%	60%	\$0.08
Red Hook WPCP	63 Flushing Avenue	Brooklyn	45	34	60%	60%	\$0.08
Queens Hospital Center	82-68 64th Avenue	Queens	45	100	40%	50%	\$0.10
Jamaica WPCP	150-20 134th Street	Queens	45	291	10%	70%	\$0.07
Oakwood Beach WPCP	751 Mill Road	Staten Island	45	3	70%	80%	\$0.07
Public School 169	110 East 88th Street	Manhattan	40	194	30%	40%	\$0.12
Louis D Brandeis High School	145 West 84th Street	Manhattan	40	259	20%	30%	\$0.14
Police Academy	235 E.20th Street	Manhattan	40	104	40%	50%	\$0.10
Manhattan Supreme Court	60 Centre St	Manhattan	40	203	30%	40%	\$0.14
Manhattan Civil Court	111 Centre Street	Manhattan	40	205	30%	40%	\$0.14
Manhattan Surrogates Court	21 Chambers St	Manhattan	40	150	40%	40%	\$0.11
Manhattan Family Court	60 Lafayette St	Manhattan	40	210	30%	40%	\$0.15
Health Building	125 Worth St	Manhattan	40	211	30%	40%	\$0.15
Clocktower Building	346 Broadway	Manhattan	40	185	30%	40%	\$0.12
Court Square Building	2-8 Lafayette Street	Manhattan	40	206	30%	40%	\$0.14
Central Park Zoo	830 5th ave.	Manhattan	40	41	60%	60%	\$0.10
Public School 217	645 Main Street	Manhattan	40	246	20%	40%	\$0.12
Museum of Jewish Heritage	18 First Place	Manhattan	40	159	30%	60%	\$0.08
Louis J Lefkowitz Building	80 Centre St	Manhattan	40	207	30%	40%	\$0.14
Intermediate School 151	250 East 156th Street	Bronx	40	273	20%	30%	\$0.16
John F Kennedy High School	99 Terrace View Avenue	Bronx	40	82	50%	50%	\$0.10
Intermediate School 84	1434 Longfellow Avenue	Bronx	40	264	20%	30%	\$0.14
Public School 15	2195 Andrews Avenue	Bronx	40	190	30%	40%	\$0.12
Hunts Point Produce Market	East Bay Avenue & Halleck St	Bronx	40	88	50%	50%	\$0.11
Vernon C. Bain Center (VCBC)	1 Halleck Street	Bronx	40	32	60%	70%	\$0.11
Intermediate School 306	40 West Tremont Avenue	Bronx	40	217	30%	30%	\$0.12
Intermediate School 324	800 Gates Avenue	Brooklyn	40	286	20%	20%	\$0.15
Public School 291	231 Palmetto Street	Brooklyn	40	167	30%	40%	\$0.10
Intermediate School 383	1300 Greene Avenue	Brooklyn	40	236	30%	30%	\$0.14
Public School 108	108-10 109th Avenue	Queens	40	270	20%	30%	\$0.14
Intermediate School 227	32-02 Junction Boulevard	Queens	40	285	20%	20%	\$0.15
Queens Vocational High School	37-02 47th Avenue	Queens	40	154	40%	40%	\$0.12
Division Of School Facilities	28-11 Queens Plaza North	Queens	40	170	30%	40%	\$0.11

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
Hillcrest High School	160-05 Highland Avenue	Queens	40	224	30%	30%	\$0.13
Public School 721	57-12 94th Street	Queens	40	265	20%	30%	\$0.14
Intermediate School 5	50-40 Jacobus Street	Queens	40	275	20%	20%	\$0.13
SCA Headquarters	30-30 Thomson Ave	Queens	40	94	40%	60%	\$0.10
Port Richmond High School	85 St. Joseph Avenue	Staten Island	40	215	30%	30%	\$0.12
George Washington High School	549 Audobon Avenue	Manhattan	35	178	30%	40%	\$0.11
Gouverneur Hospital	227 Madison Street	Manhattan	35	20	60%	70%	\$0.09
Metropolitan Museum of Art	1000 Fifth Avenue	Manhattan	35	7	70%	80%	\$0.11
Fiorello Laguardia High School	108 Amsterdam Avenue	Manhattan	35	164	30%	50%	\$0.13
Home Life Building	253 Broadway	Manhattan	35	171	30%	40%	\$0.11
Administrative Building	65 Court Street	Brooklyn	35	157	30%	70%	\$0.11
Boys and Girls High School	1700 Fulton Street	Brooklyn	35	147	40%	40%	\$0.11
John Dewey High School	50 Avenue X	Brooklyn	35	221	30%	30%	\$0.13
Fort Hamilton High School	8301 Shore Road	Brooklyn	35	149	40%	40%	\$0.11
Public School 47	225 East 23rd Street	Manhattan	30	295	10%	20%	\$0.17
Public School 50	433 East 100th Street	Manhattan	30	198	30%	40%	\$0.12
Junior High School 88	215 West 114th Street	Manhattan	30	174	30%	40%	\$0.11
High School of Graphic Communication Arts	439 West 49th Street	Manhattan	30	231	30%	30%	\$0.13
Park West High School	525 West 50th Street	Manhattan	30	142	40%	40%	\$0.11
Murray Bertraum High School	411 Pearl Street	Manhattan	30	83	50%	50%	\$0.10
John Jay North Hall	445 West 59th	Manhattan	30	117	40%	50%	\$0.11
HRA Offices (leased)	250 Church St	Manhattan	30	103	40%	50%	\$0.10
HRA Office (leased)	330 West 34th Street	Manhattan	30	134	40%	50%	\$0.13
HRA Office (leased)	8-12 West 14th Street	Manhattan	30	63	50%	60%	\$0.10
HRA Office (leased)	109 East 16th Street	Manhattan	30	204	30%	40%	\$0.14
Junior High School 131	100 Hester Street	Manhattan	30	200	30%	40%	\$0.12
44 Beaver	44 Beaver Street	Manhattan	30	175	30%	40%	\$0.11
59 Maiden Lane/60 John Street	66 John Street	Manhattan	30	40	60%	60%	\$0.10
Intermediate School 116	977 Fox Street	Bronx	30	124	40%	50%	\$0.11
Intermediate School 158	800 Home Street	Bronx	30	115	40%	50%	\$0.10
Bronx High School of Science	75 West 205th Street	Bronx	30	230	30%	30%	\$0.13
Adlai E Stevenson High School	1980 Lafayette Avenue	Bronx	30	176	30%	40%	\$0.11
Herbert Lehman High School	3000 East Tremont Avenue	Bronx	30	214	30%	30%	\$0.12
Public School 229	279 Harlem River Park Bridge	Bronx	30	223	30%	30%	\$0.13
Bronx County Court	851 Grand Concourse	Bronx	30	209	30%	40%	\$0.15
HRA facility	260 East 161st	Bronx	30	189	30%	40%	\$0.12
HRA	1916 Monterey Avenue	Bronx	30	180	30%	40%	\$0.11
Eastern District High School	850 Grand Street	Brooklyn	30	216	30%	30%	\$0.12
HRA	240 Livingston St	Brooklyn	30	102	40%	50%	\$0.10
Edward R Murrow High School	1600 Avenue L	Brooklyn	30	238	30%	20%	\$0.11
Intermediate School 61	98-50 50th Avenue	Queens	30	235	30%	30%	\$0.14
Intermediate School 67	51-60 Marathon Parkway	Queens	30	301	10%	10%	\$0.22
Franklin K Lane High School	8600 Dexter Court	Queens	30	155	40%	40%	\$0.12
John Bowne High School	63-25 Main Street	Queens	30	277	20%	20%	\$0.14

DG-1: DG Facility Load Profiles

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
Benjamin N Cardoza High School	5700 223rd Street	Queens	30	219	30%	30%	\$0.12
SCA Headquarters	30-30 Thomson Ave	Queens	30	80	50%	50%	\$0.10
Tottenville High School	100 Luten Avenue	Staten Island	30	218	30%	30%	\$0.12
Carnegie Hall	881 7th Avenue	Manhattan	25	35	60%	60%	\$0.09
Coney Island WPCP	3201 Knapp Street	Brooklyn	25	2	80%	80%	\$0.07
Owls Head WPCP	6700 Shore Road	Brooklyn	25	78	50%	50%	\$0.08
Office Of Purchasing Management	44-36 Vernon Boulevard	Queens	25	135	40%	50%	\$0.13
Intermediate School 137	2225 Webster Avenue	Bronx	20	169	30%	40%	\$0.11
Harry S Truman High School	750 Baychester Avenue	Bronx	20	201	30%	40%	\$0.14
Intermediate School 391	790 East New York Avenue	Brooklyn	20	268	20%	30%	\$0.14
Brooklyn Technical High School	29 Ft. Greene Place	Brooklyn	20	143	40%	40%	\$0.11
Brooklyn Academy of Music	651 Fulton Ave	Brooklyn	20	196	30%	40%	\$0.12
Francis Lewis High School	58-20 Utopia Parkway	Queens	20	254	20%	30%	\$0.13
DCAS Central Storehouse	66-26 Metropolitan Avenue	Queens	20	228	30%	30%	\$0.13
New Dorp High School	465 New Dorp Lane	Staten Island	20	213	30%	30%	\$0.11
HRA Headquarters	180 Water Street (126 John)	Manhattan	10	10	70%	80%	\$0.11
FIT Buildings A & B	West 27th btw 7th & 8th Avenues	Manhattan	0	27	60%	70%	\$0.11
42nd St Central Library	454 5th Avenue	Manhattan	0	45	60%	60%	\$0.11
Mid-Manhattan Branch Library	455 5th Avenue	Manhattan	0	62	50%	60%	\$0.10
Lincoln Center Performing Arts Library	111 Amsterdam Ave	Manhattan	0	6	70%	80%	\$0.09
New York City Fire Academy	Randall's Island	Randalls Island	0	139	40%	40%	\$0.11
Dept of Health & Mental Hygeine (leased)	95 Worth Street	Manhattan	0	257	20%	30%	\$0.13
Dept for the Aging Offices (leased)	220 Church St.	Manhattan	0	193	30%	40%	\$0.12
Chief Medical Examiner's Building	520 1st Avenue	Manhattan	0	53	50%	60%	\$0.09
Public Theater/Shakespeare in the Park	425 Lafayette Street	Manhattan	0	113	40%	50%	\$0.10
2 Washington Street	2 Washington Street	Manhattan	0	86	50%	50%	\$0.10
Library of Science, Industry, and Business	188 Madison Ave	Manhattan	0	38	60%	60%	\$0.10
EMS DNA Laboratory	421 East 26th St	Manhattan	0	248	20%	30%	\$0.12
Bronx Reference Center Library	310 E Kingsbridge Rd	Bronx	0	122	40%	50%	\$0.11
Brooklyn Central Library	Flatbush & Eastern Parkway	Brooklyn	0	160	30%	60%	\$0.10
Technology Center	11 Metrotech	Brooklyn	0	68	50%	60%	\$0.11
Fire Headquarters	9 Metro Tech	Brooklyn	0	90	50%	50%	\$0.12
LaGuardia Community	31-10 Thomson Avenue	Queens	0	129	40%	50%	\$0.13
HHC Office	59-17 Junction Boulevard	Queens	0	87	50%	50%	\$0.11
Fort Totten	318 Cross Island Parkway	Queens	0	148	40%	40%	\$0.11
Queens Bus Facility	128-10 26th Ave	Queens	0	21	60%	70%	\$0.09
Snug Harbor Center	914 Richmond Terrace	Staten Island	0	109	40%	50%	\$0.10
Port Richmond WPCP	1801 Richmond Terr.	Staten Island	0	15	60%	70%	\$0.07
Homeport	405 Front Street	Staten Island	0	166	30%	50%	\$0.13

DG-1A: High-Ranking DG Facilities

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
179th Street Pumping Station	2405 Amsterdam Avenue	Manhattan	95	276	20%	20%	\$0.13
Kingsborough Community College	2001 Oriental Blvd	Brooklyn	105	274	20%	30%	\$0.17
Kate Wollman Ice Rink	Ocean Ave. & Lincoln Road	Brooklyn	95	240	30%	20%	\$0.14
War Memorial Rink	1321 Victory Blvd.	Staten Island	85	239	30%	20%	\$0.13
Haaren Hall	899 10th Ave	Manhattan	85	212	30%	40%	\$0.15
NYCTC - Namm Commerce Ctr	300 Jay St	Brooklyn	85	208	30%	40%	\$0.15
17 Lexington Ave	17 Lexington Ave	Manhattan	85	188	30%	40%	\$0.12
Brooklyn Cruise Ship Terminal	King & Ferris Sts, Pier 12, Bldg 112	Brooklyn	95	187	30%	40%	\$0.12
West Facility (WF)	16-06 Hazen Street	Rikers Island	90	184	30%	40%	\$0.12
NYC Technical College	55 Johnson St/Tech Place	Brooklyn	85	181	30%	40%	\$0.11
CUNY Law School	65-21 Main St	Queens	85	172	30%	40%	\$0.11
Hostos Comm. College	500 Grand Concourse	Bronx	85	168	30%	40%	\$0.11
Manhattan Criminal Court	100 Centre Street	Manhattan	85	163	30%	50%	\$0.13
The International Plant Science Center	2680 Dr. Theodore Kazimiroff Blvd.	Bronx	105	156	30%	70%	\$0.09
NYC Technical College	186 Jay St	Brooklyn	90	153	40%	40%	\$0.12
Bronx Community College - Silver Hall	2254 Sedgwick Ave	Bronx	85	152	40%	40%	\$0.12
World's Fair/ Ice Skating Rink	52-01 Grand Central Pkwy	Queens	95	145	40%	40%	\$0.11
Center 3 building	29-10 Thomson Ave	Queens	85	137	40%	40%	\$0.11
Coler-Goldwater Specialty Hospital	Main Street	Manhattan	85	131	40%	50%	\$0.13
York College Academic Core Building	94-20 Guy Brewer Blvd	Queens	85	130	40%	50%	\$0.13
Kings County Hospital Food Service	599 Kingston Avenue	Brooklyn	95	114	40%	50%	\$0.10
Building Maintenance Section	59-06 Laurel Hill Boulevard	Queens	90	110	40%	50%	\$0.10
North Academic Ctr - North Campus	160 Convent Ave	Manhattan	105	96	40%	60%	\$0.12
R-2 Con Ed SubStation	19-00 Hazen Street	Rikers Island	110	95	40%	60%	\$0.11
Jamaica Lab	150-14 Jamaica Avenue	Queens	105	93	40%	60%	\$0.10
Bliss Hall	145 West 180 th St	Bronx	105	91	50%	50%	\$0.13
LuEster T. Mertz LibraryWatson Bldg	2674 Dr. Theodore Kazimiroff Blvd.	Bronx	105	81	50%	50%	\$0.10
Brooklyn Museum	200 Eastern Parkway	Brooklyn	115	76	50%	60%	\$0.12
Jacobi Medical Center	1400 Pelham Parkway South	Bronx	115	73	50%	60%	\$0.12
Hunter College Main Campus	695 Park Ave	Manhattan	85	71	50%	60%	\$0.12
Kings County Hospital	451 Clarkson Avenue	Brooklyn	85	69	50%	60%	\$0.12
North Central Bronx Hospital	3424 Kossuth Avenue	Bronx	85	67	50%	60%	\$0.11
Woodhull Medical Center	760 Broadway	Brooklyn	85	66	50%	60%	\$0.11

DG-1A: High-Ranking DG Facilities

<u>BUILDING NAME</u>	<u>ADDRESS</u>	<u>BOROUGH</u>	<u>DG ASSESSMENT SCORE</u>	<u>DG FACILITY LOAD PROFILE SCORE (MAX 303, MIN 1) 303 BEST POSSIBLE SCORE</u>	<u>ANNUAL ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER ELECTRIC LOAD FACTOR % GROUP</u>	<u>SUMMER \$/KWH GROUP</u>
R&T Building	48-34 35th St	Queens	90	61	50%	60%	\$0.10
Dr. Susan Smith McKinney Nursing & Rehab	594 Albany Avenue	Brooklyn	85	57	50%	60%	\$0.10
Bellevue Hospital	462 First Avenue	Manhattan	95	50	50%	70%	\$0.11
GMDC	15-15 Hazen Street	Rikers Island	110	48	60%	60%	\$0.12
Lehman College Campus	250 Bedford Park Blvd - West	Bronx	105	47	60%	60%	\$0.12
Whitehall Ferry Terminal	4 South Street	Manhattan	85	42	60%	60%	\$0.10
Eric M. Taylor Center (EMTC)	10-10 Hazen Street	Rikers Island	110	37	60%	60%	\$0.10
Robert N. Davoran Center (RNDC)	11-11 Hazen Street	Rikers Island	110	33	60%	70%	\$0.11
Bronx Family Court	215 East 161st Street	Bronx	85	31	60%	70%	\$0.11
Harlem Hospital	506 Lenox Avenue	Manhattan	105	28	60%	70%	\$0.11
Brooklyn College Campus	Bedford Ave and Ave H	Brooklyn	105	24	60%	70%	\$0.10
Anna M. Kross Center (AMKC)	18-18 Hazen Street	Rikers Island	110	22	60%	70%	\$0.09
New York Aquarium	West 8th & Surf Avenue	Brooklyn	125	18	60%	70%	\$0.09
Newtown Creek WPCP	301 Greenpoint Avenue	Brooklyn	105	17	60%	70%	\$0.08
GRVC	09-09 Hazen Street	Rikers Island	110	13	70%	70%	\$0.11
RMSC	19-19 Hazen Street	Rikers Island	110	12	70%	70%	\$0.09

# NEW YORK CITY BUILDINGS CHP-DG ASSESSMENT TOOL

## SITE ENERGY INFRASTRUCTURE PROFILE QUESTIONNAIRE

*The facility managers shall complete the questionnaire depicted below. The discrete answers shall provide a overview of the site's physical and operational characteristics that shall be combined with the metric analysis of the energy invoice-metering data to develop a comprehensive overview of the facility energy system profile.*

