

BuildSmartNY

BASELINE ENERGY PERFORMANCE OF
NEW YORK STATE GOVERNMENT BUILDINGS

AUGUST 2013



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An aerial photograph of the New York City skyline, featuring several prominent skyscrapers and a dense urban landscape. A large, semi-transparent white rectangular box is overlaid on the center of the image, containing the title text. Below the text, a solid orange horizontal line spans the width of the white box.

BASELINE ENERGY PERFORMANCE OF NEW YORK STATE GOVERNMENT BUILDINGS

1. Executive Summary

Build Smart NY is New York Governor Andrew M. Cuomo's plan for aggressively pursuing energy efficiency in government buildings while promoting green job growth and energy resilience for New York State. The centerpiece of Build Smart NY is Executive Order 88 (the "Executive Order" or "EO 88"), which the Governor issued on December 28, 2012. The Order mandates a 20% improvement in the energy efficiency performance of State Executive government buildings by April 2020.

From an economic perspective, Build Smart NY is also intended to catalyze the New York State marketplace, by serving as an example for private building owners, demonstrating new technology and applications, and providing opportunities for the energy efficiency industry to provide innovative solutions to State agencies.

In order to meet the energy efficiency targets of EO 88, a data set presenting the baseline year energy performance of State government buildings has been developed. This data provides an initial characterization of New York State energy use and will be used to prioritize projects at the largest and most inefficient buildings. It was important to the integrity and transparency of the Build Smart NY process to publish this initial data set and it will serve as the basis for a strategic implementation plan to set energy reduction targets and monitor the progress of Build Smart NY.

EO 88 also designates the New York Power Authority (NYPA) to coordinate State agency compliance with the requirements. NYPA is the largest state public power organization in the nation, operating 16 generating facilities and more than 1,400 circuit-miles of transmission lines. NYPA also has a long history of supporting the advancement of energy efficiency in governmental agencies throughout the state, and leading EO 88's implementation is a natural extension of NYPA's role.

Representatives from each of the State agencies and authorities with any substantial building energy use have worked with representatives from the Governor's office, New York Power Authority, and the New York State Energy Research and Development Authority (NYSERDA) during the past several months to gather, review, and refine pertinent data.

This report is noteworthy because it represents New York State's first effort to benchmark the energy use of State government buildings. EO 88 requires all government owned and operated facilities to be energy benchmarked annually, with the results reported in an annual transmittal to the Governor each January, beginning in 2014.

New York State owns approximately 212 million square feet of real estate in facilities greater than 20,000 square feet. The total New York State building portfolio is somewhat greater. More than 90% of the State's square footage – and energy consumption – is associated with the six largest New York State government agencies: the City University of New York, the Department of Corrections & Community Supervision, the Metropolitan Transportation Authority, the Office of General Service, the Office of Mental Health, and the State University of New York.

Source Energy Use Intensity (Source EUI) will be Build Smart NY's primary metric for measuring energy consumption and monitoring progress toward Executive Order 88's 20% reduction mandate, and is the key measurement in this report. The overall mean Source EUI for New York State's building portfolio – weighted by the gross square feet of each agency (referred to as "weighted average Source EUI" in this report) – is currently 252 Kilo British Thermal Units per square foot (kBtu/sf).

AN ANALYSIS OF THE DATA LED TO THESE KEY FINDINGS:

- Individually metered buildings are substantially more efficient than master-metered campuses, and have lower energy costs.
- Certain building types are significantly more energy-intensive; metrics beyond energy per floor area will be considered.
- A majority of State facilities, for which EPA ENERGY STAR Portfolio Manager scores could be obtained, achieved a rating in the top quartile.

Build Smart NY is a complex strategic planning and change management endeavor. A detailed work plan for implementation of the program has been developed that aims to mitigate challenges, support each of the State agencies' efforts to more intelligently use energy in their buildings, and steer them toward meeting the Governor's target.

NY STATE'S PORTFOLIO — CONSISTS OF — 16,000+ BUILDINGS



2. Background

2.1 WHAT IS BUILD SMART NY, AND WHY IS IT IMPORTANT?

Build Smart NY is Governor Cuomo’s far-reaching initiative for accelerating cost-effective clean energy and energy efficiency projects in government facilities; it includes the support the Administration is providing to county and municipal governments for energy initiatives, and covers efforts to advance clean technology in the private sector throughout New York.

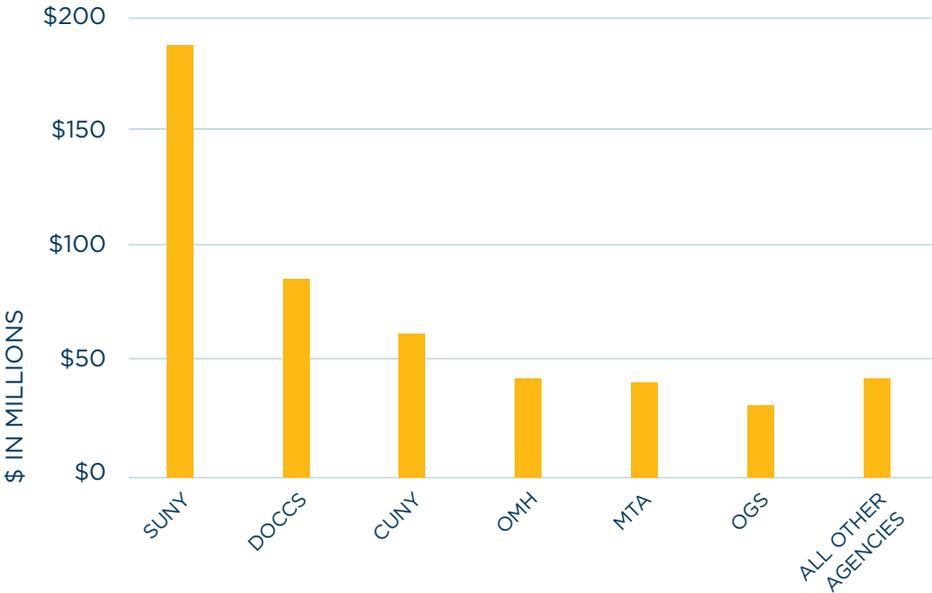
EXECUTIVE ORDER 88, ISSUED IN DECEMBER 2012, MANDATES A 20% IMPROVEMENT IN THE ENERGY PERFORMANCE OF STATE GOVERNMENT BUILDINGS BY APRIL 2020. THE EXECUTIVE ORDER CALLS FOR A TEAM AT NYPA TO SERVE AS THE GOVERNOR’S PRIMARY COORDINATOR TO LAUNCH AND MANAGE BUILD SMART NY.

EXECUTIVE ORDER 88 REQUIRED ACTIVITIES

- Facilitate the development of program guidelines that will define process and rules.
- Ensure that all buildings larger than 20,000 gross square feet in area are benchmarked annually.
- Require energy audits in underachieving buildings to improve their performance.
- Submeter master-metered campuses (e.g., universities, hospitals, correctional facilities), where feasible, to make energy use more visible.
- Plan and execute energy-related building operations and maintenance improvements through staff training, enhanced technology, and leading practices in energy engineering (e.g., Retro-commissioning).
- Create policies that prioritize energy efficiency measures in the statewide Capital Program.
- Submit Annual Reports to the Governor each January to communicate program progress toward meeting the mandate.

This complex and wide-ranging initiative engages the leadership and expertise of officials from the Governor’s Office, NYPA, NYSEERDA, New York State Office of General Services (OGS), the Dormitory Authority State of NY (DASNY), and – most importantly – the cooperation of all the State agencies, authorities, universities, and departments that operate energy-consuming buildings. Particularly the largest energy users: the City University of New York (CUNY), the Department of Corrections and Community Supervision (DOCCS), the Metropolitan Transportation Authority (MTA), the Office of General Services (OGS), the Office of Mental Health (OMH) and the State University of New York (SUNY).

FIGURE 1. ENERGY SPENDING BY NEW YORK STATE AGENCIES (2010-2011 FY)



BUILD SMART NY’S BENEFITS ARE BROAD IN SCOPE:

- **Economic** – Energy efficiency projects are a source of local jobs, and improving government building energy performance reduces taxpayer-funded operating and utility costs. New York State government spends roughly \$500 million annually on utilities, and a 20% improvement in energy efficiency is expected to create approximately \$100 million in annual savings for the State’s budget once the initiative has been completed. EO 88 is also intended to catalyze the marketplace, and increase investment opportunities for private building owners and the clean technology industry.
- **Energy Security** – Using fewer fossil fuels and reducing stress on energy transmission infrastructure makes our communities safer and more secure. Governor Cuomo’s push will generate “negawatts” and fuel savings – the most accessible and cost-effective clean energy resources.
- **Environmental Benefits** – Energy efficiency is considered to be among the most cost-effective methods for reducing emissions of greenhouse gases and other pollutants. Reduced energy use is generally acknowledged to mitigate the impacts of global climate change. Many of the investments made as a result of EO 88 will improve the resilience of State infrastructure and buildings.

BENCHMARKING IS THE PROCESS OF ACCOUNTING FOR AND COMPARING A METERED BUILDING'S CURRENT ENERGY PERFORMANCE WITH ITS ENERGY BASELINE, OR COMPARING A METERED BUILDING'S ENERGY PERFORMANCE WITH THE ENERGY PERFORMANCE OF SIMILAR TYPES OF BUILDINGS BASED ON USE, SUCH AS COMPARING THE ENERGY PERFORMANCE OF A HOSPITAL TO THAT OF OTHER HOSPITALS. BENCHMARKING CAN BE USED TO COMPARE PERFORMANCE OVER TIME, WITHIN AND BETWEEN PEER GROUPS, OR TO DOCUMENT TOP PERFORMERS.

(THE U.S. DEPARTMENT OF ENERGY, *BUILDING ENERGY USE BENCHMARKING GUIDANCE*, 4/15/2010).

2.2 WHY ISSUE THIS REPORT, AND WHAT DOES IT COVER?

With an initiative as complex and sweeping as Build Smart NY, a publication that characterizes baseline energy performance is an appropriate way to begin. This report is noteworthy because it constitutes the first effort by the New York State to benchmark the energy use of government buildings.

Executive Order 88 established State Fiscal Year 2010-2011 as the baseline year against which the 20% reduction required over the next seven years will be computed. This report will serve as the “launch pad” for monitoring the progress of Build Smart NY. For the integrity and transparency of the process, it is important to publish this initial data set. The full data set is presented in Appendix B. The Build Smart website will serve as a central repository for all information.

The Build Smart NY team has made every effort to check and verify data with each of the agencies and authorities, but additional data issues may be revealed later this year. These corrections will be published in future reports. Regardless of any finer corrections that may be identified, the broader trends highlighted in the pages that follow will remain intact.



UNIVERSITY AT BUFFALO SOUTH CAMPUS

3. State Buildings Portfolio

3.1 LARGEST NEW YORK STATE ENERGY USERS

New York State owns approximately 212 million square feet of real estate in facilities greater than 20,000 square feet. The total New York State building portfolio is somewhat greater. More than 90% of the State’s square footage – and energy consumption – is associated with six New York State government entities:

FIGURE 2. GROSS AREA OF NEW YORK STATE BUILDING PORTFOLIO

AGENCY/AUTHORITY	ACRONYM	GROSS SQ. FT.	% OF TOTAL
State University of New York*	SUNY	85,555,466	40.4%
Department of Corrections & Community Supervision	DOCCS	38,098,538	18.0%
City University of New York*	CUNY	19,701,393	9.3%
Office of Mental Health	OMH	19,025,432	9.0%
Office of General Services	OGS	18,958,038	9.0%
Metropolitan Transportation Authority	MTA	10,574,220	5.0%
All Other State Agency Facilities		19,703,793	9.3%
TOTAL		211,616,880	100.0%

*Although CUNY is a State entity, Community College buildings are excluded because they are regulated by local government and thus not subject to EO 88.

Only 2,261 (or 14%) of State government buildings are 20,000 square feet or larger; and this subset represents more than 90% of the State’s square footage, energy consumption, and energy cost. It is for this reason that the Build Smart NY initiative mainly focuses on buildings or campuses that are larger than 20,000 square feet.



Image from Wikipedia, the free encyclopedia

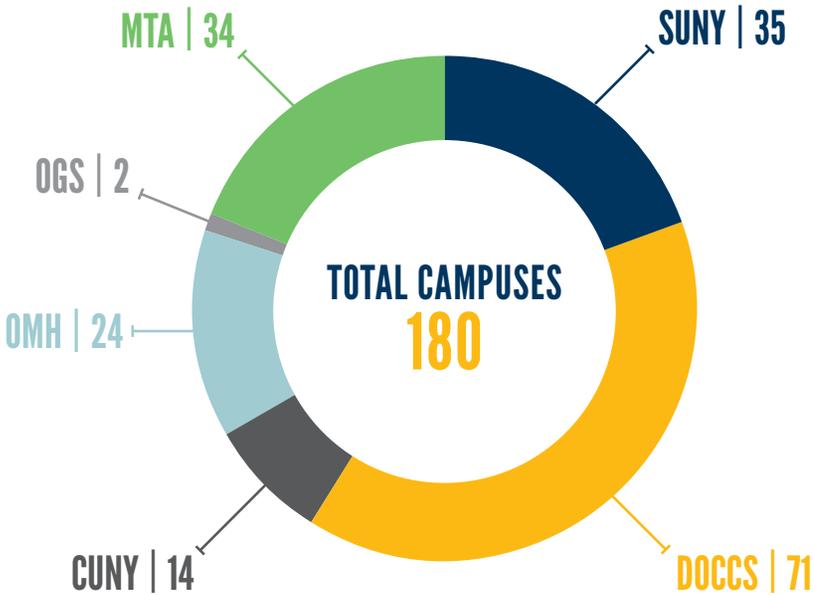
GRAND CENTRAL TERMINAL

3.2 MASTER-METERED FACILITY CHALLENGES

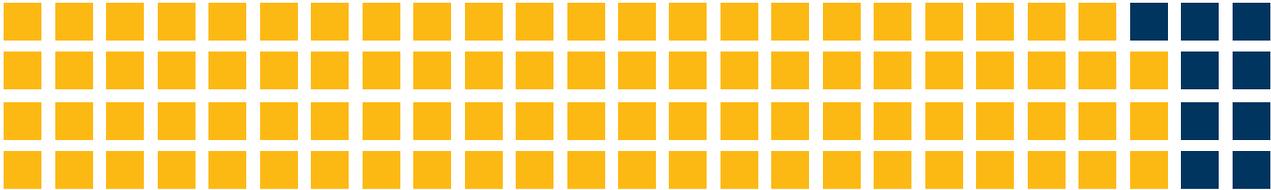
One major characteristic of New York State’s building stock that will prove to be a challenge in the implementation of EO 88 is the prevalence of large, master-metered campuses, in which groups of buildings are all served by the same utility meters and sometimes central heating and/or chilling plants. Of the 376 facilities benchmarked, which totaled almost 212 million square feet, only 157, representing 19 million square feet, were individually metered. In other words, 91% of the facility square footage benchmarked was on master-metered campuses.

As shown in Figure 3, each of the largest six agencies has at least some master-metered campuses, with OGS having the smallest percentage of such facilities and DOCCS having the highest. The composition of campuses varies widely, with some campuses, such as the Empire State Plaza in Albany, comprising a handful of large buildings, while other campuses, such as some DOCCS facilities, have a larger number of small buildings.

FIGURE 3. MASTER-METERED CAMPUSES AT LARGEST AGENCIES



MASTER-METERED CAMPUSES



91% OF THE FACILITY SQUARE FOOTAGE BENCHMARKED WAS ON MASTER-METERED CAMPUSES.

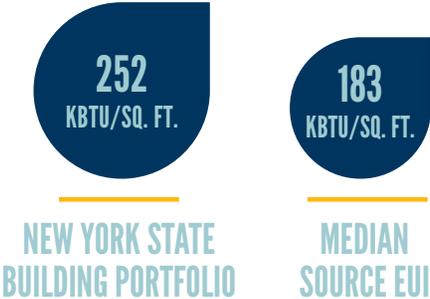
4. Energy Use Profile

Source Energy Use Intensity (EUI) will be Build Smart NY’s primary metric for measuring energy consumption and monitoring progress toward Executive Order 88’s 20% reduction mandate.

EUI is the amount of energy (electricity and natural gas and all other heating fuel sources) consumed per square foot of gross building area. To show electricity and natural gas together, they are converted to a common unit - British thermal units (BTU). *Source* Energy Use Intensity takes into account the fuels consumed in the generation, transmission, and distribution of electricity, as well as the energy losses from storage, distribution, and delivery of natural gas.

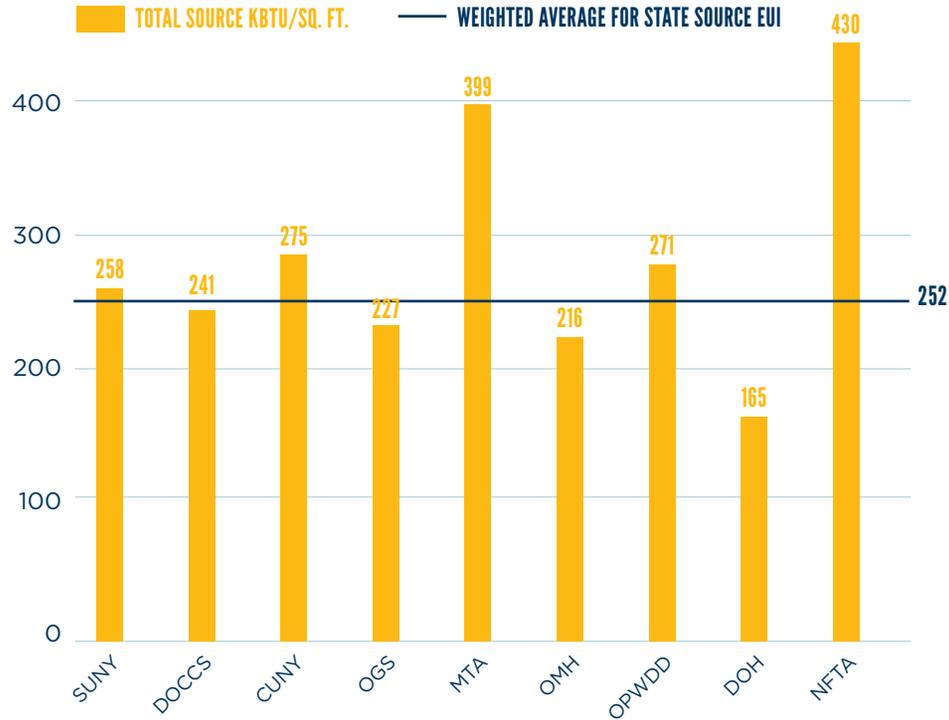
SOURCE EUI:

NEW YORK STATE BUILDING PORTFOLIO MEAN VS. MEDIAN



The mean Source EUI (weighted for square foot) for New York State’s building portfolio is 252 kBTU per square foot, but the median is 183 kBTU/ square foot. This indicates that there are a handful of energy-intensive facilities that move the mean higher than may be, at first glance, expected.

FIGURE 4. COMPARISON OF AGENCY AVERAGE SOURCE EUI FOR LARGEST AGENCIES

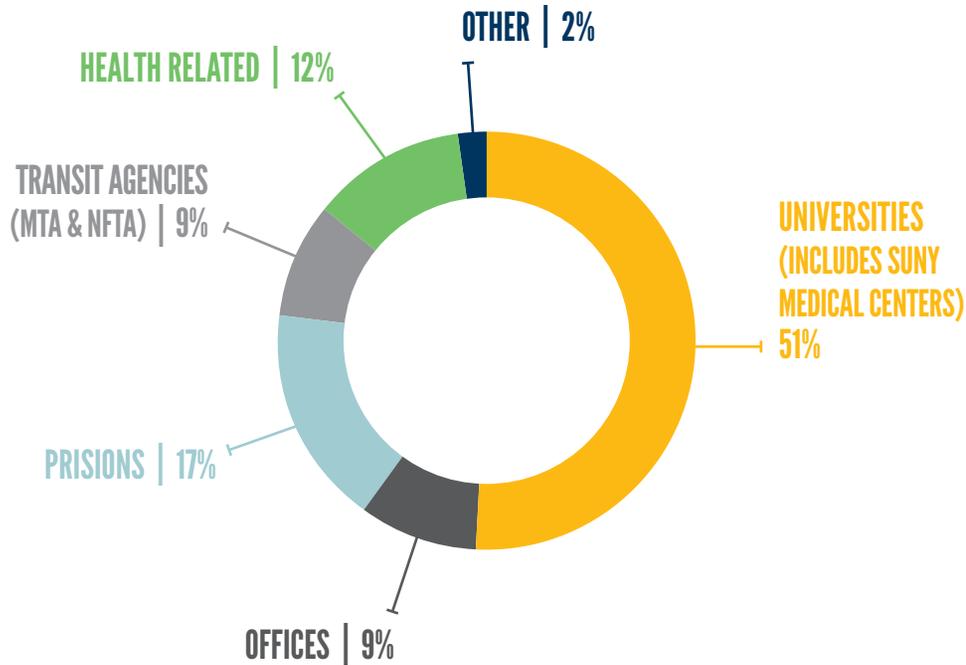


As Figure 4 illustrates, a small number of large transportation facilities, including Grand Central Terminal and Grand Ave. Depot, operated by the MTA*, and Buffalo-Niagara Airport, operated by Niagara Frontier Transportation Authority (NFTA), have significant impacts on the mean Source EUI, but the function of these facilities is unique and intrinsically energy-intensive, thus justifying such anomalies.

**MTA facilities are generally industrial in nature and therefore will not have an Energy Use Index that is comparable to other, more conventional, state facilities.*

A closer examination of total source energy use by facility type reveals additional useful information as seen in Figure 5.

FIGURE 5. PERCENT BREAKDOWN OF SOURCE ENERGY USE BY FACILITY CATEGORY (KBTU)



Educational institutions represent a significant proportion of the load. In light of the fact that few CUNY and SUNY college campuses are metered at the building level, these facilities need to be a focal point of Build Smart NY. Prisons and health care facilities should be areas of attention as well.

EUI

THE AMOUNT OF ENERGY
(⚡ + 🔥)
CONSUMED PER SQ. FT.
OF GROSS
BUILDING AREA

5. Key Findings

5.1 INDIVIDUALLY METERED BUILDINGS ARE SUBSTANTIALLY MORE EFFICIENT THAN MASTER-METERED CAMPUSES, AND HAVE LOWER ENERGY COSTS

While a large majority of New York State government buildings are located on master-metered campuses and cannot yet be benchmarked as “individual buildings,” the data-gathering process that generated this analysis demonstrates that having more granular data available about building performance provides building managers with much better information to improve or maintain the efficiency of those buildings.

As shown in Figure 6, New York State’s individually metered buildings are more efficient than buildings on master-metered campuses, depending on how one calculates the portfolio’s energy intensity. Using the weighted average is the most accurate way to depict a group of buildings, and we have used the weighted average to calculate the New York State’s overall EUI. However, in the interest of transparency and because the numbers varied substantially for this comparison, in Figure 6 we show the three metrics we calculated: simple average, weighted average, and median.

FIGURE 6. COMPARISON OF SOURCE EUI BETWEEN INDIVIDUALLY METERED BUILDINGS AND MASTER-METERED CAMPUSES

	BUILDINGS	MASTER-METERED	DIFFERENCE
AVERAGE	180.5	284.4	58%
WEIGHTED AVERAGE	183.3	259.1	41%
MEDIAN	153.4	243.6	59%
TOTAL SQ. FT.	19,362,173	192,254,707	

FIGURE 7. COMPARISON OF UTILITY COST/SQUARE FOOT BETWEEN INDIVIDUALLY METERED BUILDINGS AND MASTER-METERED CAMPUSES

	BUILDINGS	MASTER-METERED	DIFFERENCE
AVERAGE	\$2.05	\$2.64	29%
WEIGHTED AVERAGE	\$2.09	\$2.39	14%
MEDIAN	\$1.71	\$2.20	29%

The informational benefits associated with additional metering translates into efficiency benefits.

The data reveals that there is inherent cost efficiency in master-metered campuses. In Figure 6, the variance between the source EUI for individually metered and master-metered campuses is 41%, however the variance is considerably lower from a cost per square foot perspective in Figure 7. At least some portion of this difference in variance is due to the prevalence of “central heating plants” on many of the larger master-metered campuses. This results in lower unit costs for heating, and in some cases, electricity, when the central plants also generate electricity on site. On the other hand, it is also true that central power plants have greater risk of losses in the distribution infrastructure. This area will require more examination in the coming months.

5.2 DISCRETE BUILDING TYPES ARE SIGNIFICANTLY MORE ENERGY-INTENSIVE; BUILD SMART NY WILL CONSIDER METRICS BEYOND ENERGY PER FLOOR AREA

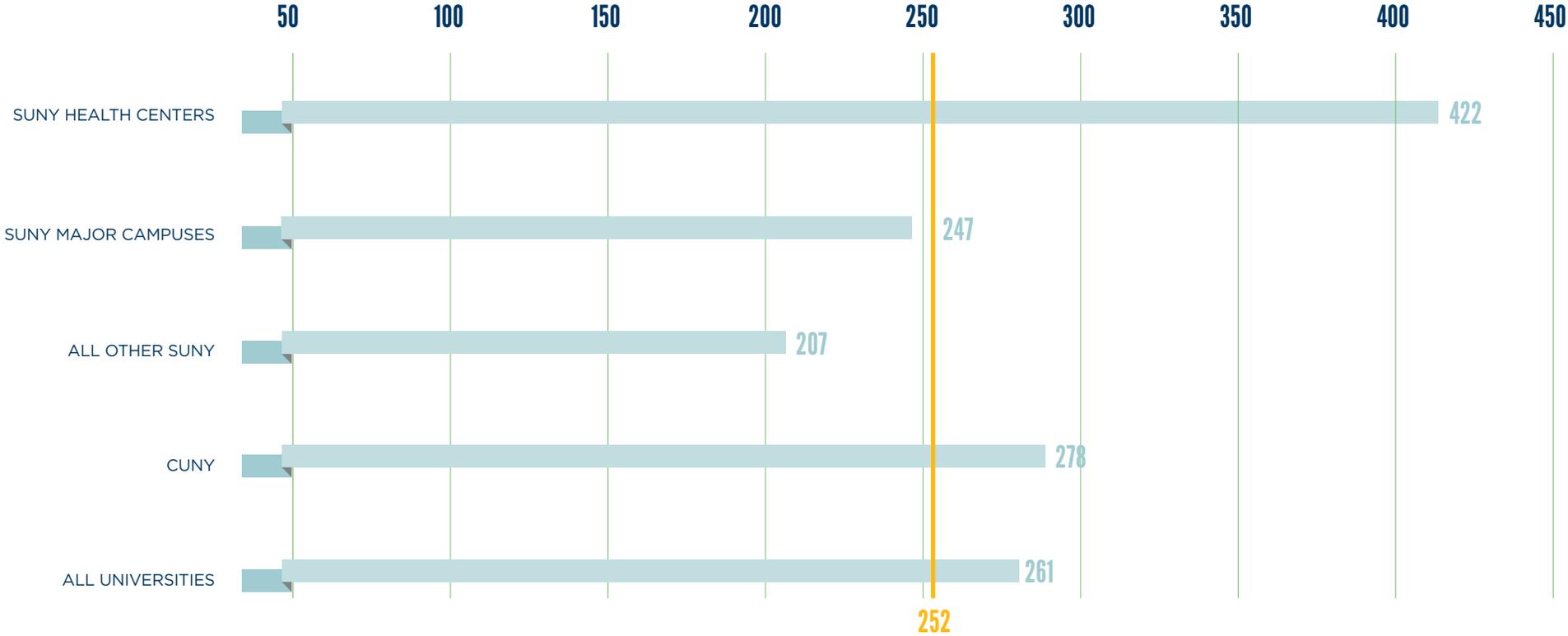
While EUI, expressed as energy use per unit of floor area, is an appropriate high-level metric for tracking building energy performance and progress toward the Executive Order goals, different building types are inherently more energy intensive than others, and cannot be compared directly with buildings that have less intensive uses.

As was noted in Section 4, transportation agencies such as MTA and NFTA operate large industrial individual facilities with significantly higher EUI than other facilities in the State portfolio. One of the more energy-intensive MTA facilities, Grand Central Terminal, has an extremely high source EUI of 1165 kBTU/sf – nearly five times as high as the statewide weighted average. However, Grand Central is a unique facility: millions of people go through that facility each day, and it is an extremely efficient transportation facility that saves tremendous amounts of energy as a key public transportation hub. Because these buildings are so distinct, they will require additional time for more detailed analysis in order to develop a better understanding of their relative performance and their performance compared to other national and international facilities. That analysis will be included in 2014 Benchmarking.

Beyond the high relative energy intensity of transportation agencies, different types of facilities within the same agency can have very different energy consumption needs. Among universities (the largest energy consumer among State agencies), there is a good deal of variety. For example, the SUNY campuses that have medical schools and teaching hospitals have

much higher use patterns than a normal college campus. Similarly, the main SUNY “University Centers” of Albany, Binghamton, Buffalo, and Stony Brook have many more laboratory facilities and other energy-intensive equipment that drives higher EUI. These differences can be seen in Figure 8.

FIGURE 8. COMPARISON OF UNIVERSITY CAMPUSES (SOURCE EUI)



Even for what may be quite similar space uses within office buildings, the energy intensity can vary depending on how intensively the office space is used, including the number of full-time occupants per floor area, hours of operation, presence of a data center, and the number of computers and other energy-intensive equipment installed in a given building.

The relative EUI (per floor area) and energy per full-time worker for the OGS statewide office portfolio demonstrates how different indicators may show different relative efficiency. As an example, while the worker density on two main OGS campuses - the Empire State Plaza complex and the Harriman Campus - is very different, even while energy per floor area is relatively close between the two campuses. However, when worker density is taken into account, the energy per full-time worker for the Harriman Campus is much lower.

During the development of the Executive Order 88 Guidelines, the Build Smart NY team will examine additional indicators beyond EUI to understand how to adequately address agency concerns that EUI is not always the best indicator of relative energy performance. However, EUI per unit of floor area is the most relevant and useful metric to compare how buildings perform over time, and will remain the primary indicator for agency progress toward compliance with the Executive Order.



EMPIRE STATE PLAZA, ALBANY, NY

5.3 THE MAJORITY OF BUILDINGS WITH EPA PORTFOLIO MANAGER SCORES ARE RATED IN THE TOP QUARTILE

U.S. EPA'S ENERGY STAR PORTFOLIO MANAGER

The industry-preferred, standardized means of energy benchmarking for buildings employs “ENERGY STAR Portfolio Manager” – the U.S. Environmental Protection Agency’s interactive on-line assessment tool, which, with the proper data inputs, generates percentile-based energy performance scores (on 1-100 scale) for many building types. However, more than 75% of energy use in New York State government facilities occurs on large campuses (e.g., universities, prisons, and psychiatric hospitals) that are master-metered, where the energy loads of many buildings are aggregated into single utility accounts and/or heat (and sometimes power) comes from centralized generating plants. This presents challenges for accurately measuring energy use at the building level. For this reason, EO 88 seeks to individually meter as many New York State buildings larger than 100,000 square feet as is economically feasible by year-end 2016. ENERGY STAR Portfolio Manager scores, however, were obtained for a subset of the State’s buildings.

A relatively high number of individually metered buildings owned by New York State that were able to earn an ENERGY STAR score in the top quartile (i.e., a score of 75 or higher). Buildings within the DASNY, DEC, Insurance Fund, NYS Division of State Police, NYSERDA, and OGS earned Portfolio Manager scores in the top quartile.

THE FACILITY MANAGERS OF THE HIGHEST PERFORMING BUILDINGS AND THEIR SUPERVISORS ARE TO BE COMMENDED FOR SERVING AS THE “GOLD STANDARD” FOR NEW YORK STATE FACILITIES.

Forty-four New York State buildings currently have EPA Portfolio Manager scores. This data is being reviewed and will be included in the next benchmarking report. The Build Smart NY team will also assess and recognize top performing buildings that are not yet scorable by EPA Portfolio Manager and include them in next year’s report.

6. Conclusions and Next Steps

The publication of this report comes at a crucial time. NYPA and other key stakeholders in New York State government are in the process of building the management structure, processes, and systems designed to ensure compliance with Executive Order 88 and achieve the 20% energy reduction target. Annual updates of this building data will be published as part of the EO 88 progress report to the Governor's office, the first of which will be published in January 2014.

CONTRIBUTORS

Data gathering and validation for this report were rigorous undertakings, and the result of tremendous teamwork and contributions of time and expertise by numerous professionals. Since this document marks the first time that New York State has publicly presented the relative energy performance of individual government campuses and buildings, and a great deal of care went into ensuring that the facility data was as complete and accurate as possible.

Thank you to the following agency and authority personnel for their indispensable help with this project:

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An aerial photograph of a city skyline, featuring several prominent skyscrapers and a dense urban landscape. The image is overlaid with a semi-transparent white rectangle. In the center of this rectangle, the word "APPENDICES" is written in a bold, dark blue, sans-serif font. A thin, solid orange horizontal line is positioned directly beneath the text.

APPENDICES

Appendix A: Glossary of Terms and Acronyms

BENCHMARKING: The process of accounting for and comparing a metered building's current energy performance with its energy baseline or comparing a metered building's energy performance with the energy performance of similar types of buildings (based on use, such as comparing the energy performance of a hospital to that of other hospitals). Benchmarking can be used to compare performance over time, within and between peer groups, or to document top performers. *DOE Building Energy Use Benchmarking Guide*

BRITISH THERMAL UNIT (BTU): The quantity of heat required to raise the temperature of one pound of liquid water by one degree Fahrenheit at the temperature at which water has its greatest density. All forms of energy used in buildings (electricity, natural gas, heating oil, steam) can be translated into BTU, KBTU, MMBTU, etc.

ENERGY AUDIT: Quantifies how energy is used in a building and is used to identify opportunities to improve the facility's energy efficiency and reduce utility expenses.

ENERGY USE INTENSITY (EUI): A unit of measurement that describes a building's energy use. EUI represents the energy consumed by a building relative to its size. *EnergyStar.gov*

GROSS SQUARE FOOT: The sum of all areas on all floors of a building included within the outside faces of its exterior walls, including all vertical penetration areas for circulation and shaft areas that connect one floor to another. *National Center for Education and Statistics*

KILOWATT HOUR (KWH): A measure of electricity defined as a unit of work or energy, measured as one kilowatt (1,000 watts) of power expended for one hour. *U.S. Energy Information Administration*

MASTER- METERED CAMPUS: A group of buildings served by the same utility meters with a central cooling and heating plant.

METERED BUILDING: A building with one or more meters (advanced or standard) installed to measure energy consumed within that building. Metered energy includes electricity, natural gas, and steam. Other utilities may be metered as an energy or water management best practice. *EPA*

RETRO-COMMISSIONING: The process of assessing, analyzing, and upgrading the operational performance of an existing building. Retro-commissioning usually results in a number of low-cost or no-cost activities that save energy while maintaining or improving comfort. *EPA Building Commissioning Guidelines*

SITE ENERGY: The amount of heat and electricity consumed by a building as reflected in utility bills. *EPA Energy Star*

SOURCE ENERGY: Takes into account the fuels consumed in the generation, transmission, and distribution of electricity as well as the energy losses from storing, distributing, and dispensing natural gas. Source energy represents the total amount of raw fuel that is required to operate the building. It incorporates all transmission, delivery, and production losses, thereby enabling a complete assessment of energy efficiency in a building. *EPA*

SUB-METERED BUILDINGS: A building in a master-metered campus that has had additional metering installed so that the energy use of that particular building can be determined. EO 88 states that buildings having an area larger than 100,000 square feet on master-metered campuses shall be sub-metered for all fuels and other energy sources by December 31, 2016, to enable individual building benchmarking, unless the Affected State Entity that owns or operates the building can demonstrate to the CMIT that it is not cost-effective or feasible to do so.

WEIGHTED AVERAGE SOURCE: The overall mean Source EUI for New York State's building portfolio, weighted by the gross square feet for each State agency.

Appendix A: Glossary of Terms and Acronyms

LIST OF ACRONYMS

BTU - British Thermal Units

CUNY - City University of New York

DASNY - Dormitory Authority State of New York

DEC - Department of Environmental Conservation

DMNA - Department of Military and Naval Affairs

DMV - Department of Motor Vehicles

DOCCS - Department of Corrections and Community Supervision

DOH - Department of Health

DOT - Department of Transportation

EO - Executive Order

EPA - U.S. Environmental Protection Agency

EUI - Energy Use Intensity

KWh - KiloWatt hour

MTA - Metropolitan Transportation Authority

NFTA - Niagara Frontier Transportation Authority

NYPA - New York Power Authority

NYSERDA - New York State Energy Research and Development Authority

OASAS - Office of Alcoholism and Substance Abuse Services

OCFS - Office of Children and Family Services

OGS - Office of General Services

OMH - Office of Mental Health

OPWDD - Office of People with Developmental Disabilities

SUNY - State University of New York

Appendix B: Executive Order 88 - Build Smart NY Agency Summary

New York State Baseline Energy Use | State Fiscal Year 2010/2011

AGENCY NAME	TOTAL SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	SOURCE KBTU/SQFT
Adirondack Park Agency	22,000	1,645,946	3,085,766	140.26
City University of New York	19,701,393	2,553,628,926	5,422,059,388	275.21
Department of Corrections and Community Supervision	38,098,538	6,336,471,407	9,167,302,087	240.62
Department of Environmental Conservation	430,844	22,613,294	44,958,949	104.35
Department of Health	3,346,500	268,194,225	551,780,488	164.88
Department of Military and Naval Affairs - Armories	4,033,871	223,922,238	359,745,686	89.18
Department of Motor Vehicles	446,596	30,047,317	72,945,452	163.34
Department of Transportation	760,313	77,831,742	120,624,003	158.65
Dormitory Authority of State of New York	223,000	14,799,545	37,752,461	169.29
Insurance Fund	569,087	41,429,539	115,296,019	202.60
Metropolitan Transportation Authority	10,574,220	2,201,490,593	4,215,459,485	398.65
New York State Division of State Police	342,665	32,990,494	62,477,058	182.33
New York Power Authority	420,000	47,500,180	102,441,377	243.91
New York State Energy Research and Development Authority	66,000	4,278,935	11,532,476	174.73
Niagara Frontier Transportation Authority	1,141,810	236,734,289	490,905,219	429.94
Office of Alcoholism and Substance Abuse Services	110,000	17,469,484	38,882,570	353.48
Office of Children and Family Services	1,144,163	138,333,789	260,711,953	227.86
Office of General Services	18,958,038	2,343,592,313	4,295,580,813	226.58
Office of Mental Health	19,025,432	2,305,415,399	4,111,819,104	216.12
Office of Parks, Recreation, and Historic Preservation	337,581	40,971,152	82,407,176	244.11
Office of People with Developmental Disabilities	5,571,419	884,319,680	1,509,309,616	270.90
State University of New York	85,555,466	11,875,645,946	22,091,331,367	258.21
Thruway & Canal Authority	565,160	67,866,977	147,574,952	261.12
Worker's Compensation Board	172,784	17,183,321	52,859,948	305.93
GRAND TOTAL	211,616,880	29,784,376,731	53,368,843,412	252.20

The data has not been normalized for weather. Heating and Cooling degree day data will be applied.

Appendix B: Data tables

New York State Baseline Energy Use | State Fiscal Year 2010/2011

ADIRONDACK PARK AGENCY	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
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Adirondack Park Agency	22,000	1,645,946	3,085,766	74.82	140.26	140.26	0%
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CITY UNIVERSITY OF NEW YORK	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
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CUNY - Baruch College Campus	1,572,632	164,424,305	404,158,290	104.55	256.99	275.21	7%
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CUNY - Brooklyn College Campus	2,411,705	477,107,224	823,566,749	197.83	341.49	275.21	-24%
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CUNY - College of Staten Island Campus	1,354,984	194,677,100	439,815,192	143.67	324.59	275.21	-18%
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CUNY - Central Office Campus	217,443	22,656,045	64,720,280	104.19	297.64	275.21	-8%
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CUNY - Hunter College Campus	2,608,702	330,802,688	647,629,358	126.81	248.26	275.21	10%
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CUNY - John Jay - College of Criminal Justice Campus	1,463,371	118,416,556	292,850,287	80.92	200.12	275.21	27%
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CUNY - Lehman College Campus	1,524,527	233,591,678	424,372,628	153.22	278.36	275.21	-1%
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CUNY - Medgar Evers College Campus	579,632	90,006,759	193,683,850	155.28	334.15	275.21	-21%
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CUNY - City Tech College Campus	2,781,649	205,117,635	354,524,943	73.74	127.45	275.21	54%
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CUNY - Queens College Campus	2,409,961	329,769,973	678,187,880	136.84	281.41	275.21	-2%
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CUNY - City College of New York Campus	1,104,946	205,366,491	666,226,634	185.86	602.95	275.21	-119%
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CUNY - York College Campus	937,783	120,360,092	270,401,872	128.35	288.34	275.21	-5%
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CUNY - Graduate Center	709,962	58,018,546	154,205,129	81.72	217.20	275.21	21%
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CUNY - Honors College	24,096	3,313,834	7,716,297	137.53	320.23	275.21	-16%
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Appendix B: Data tables

DORMITORY AUTHORITY, STATE OF NEW YORK	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Delmar Building	43,000	3,285,424	9,200,597	76.41	213.97	169.29	-26%
Headquarters (Albany)	180,000	11,514,121	28,551,864	63.97	158.62	169.29	6%

DEPARTMENT OF ENVIRONMENTAL CONSERVATION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Avon Office	45,248	2,591,259	5,345,550	57.27	118.14	104.35	-13%
Buffalo Office	63,597	3,020,976	7,573,034	47.50	119.08	104.35	-14%
Bureau of Marine Resources Headquarters	20,290	1,344,373	3,364,113	66.26	165.80	104.35	-59%
Cortland Suboffice	26,628	1,582,602	2,833,045	59.43	106.39	104.35	-2%
DEC Distribution Center	50,701	2,389,953	2,620,262	47.14	51.68	104.35	50%
Herkimer Suboffice	21,355	443,393	688,929	20.76	32.26	104.35	69%
New Paltz Regional Office - Office Bldg. (NYSDEC), Region 3	41,400	1,411,536	4,644,136	34.10	112.18	104.35	-8%
Raybrook Office	39,856	1,966,760	3,875,974	49.35	97.25	104.35	7%
Saranac Inn Service Center	27,969	1,722,657	2,525,021	61.59	90.28	104.35	13%
Schenectady Regional Office (Rotterdam)	31,800	2,129,144	4,424,861	66.95	139.15	104.35	-33%
Stamford Suboffice	23,949	1,351,194	2,013,343	56.42	84.07	104.35	19%
Warrensburg Suboffice	38,051	2,659,448	5,050,679	69.89	132.73	104.35	-27%

Appendix B: Data tables

DIVISION OF MILITARY AND NAVAL AFFAIRS – ARMORIES.	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Auburn Armory	55,705	5,486,281	10,572,852	98.49	189.80	89.18	-113%
Binghamton Armory and Facility Maintenance Shop	125,401	4,405,843	6,474,657	35.13	51.63	89.18	42%
Bronx Armory	34,265	2,792,693	3,639,350	81.50	106.21	89.18	-19%
Buffalo Connecticut Street Armory and Field Maintenance Shop	384,501	11,899,693	15,822,034	30.95	41.15	89.18	54%
Buffalo Masten Ave Armory	301,743	9,767,727	12,934,442	32.37	42.87	89.18	52%
Buffalo Masten Ave Facility Maintenance Shop	36,696	970,992	1,839,683	26.46	50.13	89.18	44%
Camp Smith Training Site Campus	621,292	29,980,572	56,667,884	48.26	91.21	89.18	-2%
Dunkirk Armory	23,845	1,878,952	2,519,617	78.80	105.67	89.18	-18%
Geneseo Armory	45,252	2,269,463	2,863,648	50.15	63.28	89.18	29%
Geneva Armory	33,626	2,043,121	2,609,208	60.76	77.59	89.18	13%
Gloversville Armory	42,352	1,814,790	2,313,490	42.85	54.63	89.18	39%
Hornell Armory	41,919	1,591,931	1,890,823	37.98	45.11	89.18	49%
Horseheads Armory	27,641	2,458,549	3,132,106	88.95	113.31	89.18	-27%
Ithaca Armory	29,661	1,568,770	2,203,463	52.89	74.29	89.18	17%
Jamaica Armory and Facility Maintenance Shop	312,231	24,226,571	31,840,127	77.59	101.98	89.18	-14%
Jamestown Armory and Facility Maintenance Shop	42,771	2,933,462	3,654,358	68.59	85.44	89.18	4%
Kingston Armory	111,745	4,610,614	7,243,970	41.26	64.83	89.18	27%

Appendix B: Data tables

DIVISION OF MILITARY AND NAVAL AFFAIRS – ARMORIES.	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Latham Army Aviation Support Facility	38,797	4,737,037	7,821,928	122.10	201.61	89.18	-186%
Latham HQs, Armory and Facility Maintenance Shop Campus	196,658	14,861,011	35,487,799	75.57	180.45	89.18	-102%
Leeds Armory	37,732	2,002,210	2,809,597	53.06	74.46	89.18	17%
Lockport Armory	28,281	2,581,546	3,098,297	91.28	109.55	89.18	-23%
Morrisonville Armory	22,187	890,099	1,358,348	40.12	61.22	89.18	31%
New York Fifth Avenue Armory	245,395	13,137,042	22,034,659	53.53	89.79	89.18	-1%
New York Lexington Avenue Armory	226,785	8,954,538	13,430,009	39.48	59.22	89.18	34%
Ogdensburg Armory	33,963	1,677,583	2,126,022	49.39	62.60	89.18	30%
Olean Armory	48,097	1,570,170	2,024,513	32.65	42.09	89.18	53%
Orangeburg Armory	28,321	1,488,183	2,075,902	52.55	73.30	89.18	18%
Peekskill Armory	81,534	3,758,594	4,451,160	46.10	54.59	89.18	39%
Queensbury Armory	49,363	3,182,058	7,033,798	64.46	142.49	89.18	-60%
Rochester Patriot Way Armory	131,436	7,321,437	13,891,031	55.70	105.69	89.18	-19%
Rochester Patriot Way Army Aviation Support Facility	94,982	9,010,141	15,523,598	94.86	163.44	89.18	-83%
Ronkonkoma Armory and Army Aviation Support Facility	78,694	7,628,161	12,063,780	96.93	153.30	89.18	-72%
Saranac Lake Armory	22,862	1,032,102	1,236,720	45.14	54.09	89.18	39%
Saratoga Springs Museum	37,707	2,517,856	3,911,461	66.77	103.73	89.18	-16%

Appendix B: Data tables

DIVISION OF MILITARY AND NAVAL AFFAIRS – ARMORIES.	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Staten Island Armory	61,600	4,388,894	6,315,138	71.25	102.52	89.18	-15%
Staten Island Combined Support Maintenance Shop	27,633	4,207,115	6,547,922	152.25	236.96	89.18	-166%
Troy Glenmore Road Armory and Facility Maintenance Shop	80,218	5,039,401	9,485,287	62.82	118.24	89.18	-33%
Troy South Lake Avenue Armory	21,316	1,456,782	1,929,236	68.34	90.51	89.18	-1%
Utica Armory	106,387	8,863,602	12,084,993	83.31	113.59	89.18	-27%
Whitestone Armory	39,515	1,508,955	2,241,762	38.19	56.73	89.18	36%
Yonkers Armory	23,762	1,407,697	2,541,013	59.24	106.94	89.18	-20%

Appendix B: Data tables

DEPARTMENT OF MOTOR VEHICLES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Bronx District Office	38,452	2,868,391	8,773,979	74.60	228.18	163.34	-40%
Brooklyn District Office	44,000	2,825,410	8,382,778	64.21	190.52	163.34	-17%
College Point District Office	39,000	2,799,640	6,803,963	71.79	174.46	163.34	-7%
Coney Island District Office	37,954	3,622,844	9,217,770	95.45	242.87	163.34	-49%
Garden City District Office	29,565	1,897,065	4,581,823	64.17	154.97	163.34	5%
Guilderland Warehouse	132,374	6,849,557	12,555,579	51.74	94.85	163.34	42%
Harlem District Office	33,462	2,421,812	7,701,793	72.37	230.17	163.34	-41%
Queens Village DFI	26,400	1,348,848	2,348,586	51.09	88.96	163.34	46%
Richmond District Office	26,389	2,510,522	5,634,232	95.14	213.51	163.34	-31%
Springfield Gardens District Office	39,000	2,903,227	6,944,949	74.44	178.08	163.34	-9%

Appendix B: Data tables

DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Adirondack Correctional Facility	500,512	69,760,085	94,128,692	139.38	188.06	240.62	22%
Albion Correctional Facility	655,726	137,886,129	195,165,006	210.28	297.63	240.62	-24%
Altona Correctional Facility	224,212	35,075,630	60,057,748	156.44	267.86	240.62	-11%
ArthurKill Correctional Facility	354,455	60,473,494	104,919,004	170.61	296.00	240.62	-23%
Attica Correctional Facility	1,145,022	213,132,249	278,084,469	186.14	242.86	240.62	-1%
Auburn Correctional Facility	1,214,714	194,536,289	263,195,285	160.15	216.67	240.62	10%
Bare Hill Correctional Facility	491,621	126,882,638	182,434,586	258.09	371.09	240.62	-54%
Bayview Correctional Facility	107,854	21,748,061	33,172,632	201.64	307.57	240.62	-28%
Beacon Correctional Facility	104,166	11,486,667	19,616,964	110.27	188.32	240.62	22%
Bedford Hills Correctional Facility	642,101	122,432,402	174,421,505	190.67	271.64	240.62	-13%
Buffalo Correctional Facility	34,276	5,015,714	10,011,401	146.33	292.08	240.62	-21%
Butler Correctional Facility	102,509	23,969,388	42,375,408	233.83	413.38	240.62	-72%
Camp Gabriels Correctional Facility	167,030	839,320	2,758,089	5.02	16.51	240.62	93%
Camp Georgetown Correctional Facility	82,870	14,902,174	21,957,466	179.83	264.96	240.62	-10%
Cape Vincent Correctional Facility	309,729	61,936,481	96,512,510	199.97	311.60	240.62	-29%
Cayuga Correctional Facility	369,944	80,034,608	123,499,849	216.34	333.83	240.62	-39%
Chateaugay Correctional Facility	98,907	21,491,779	33,536,237	217.29	339.07	240.62	-41%

Appendix B: Data tables

DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Clinton Correctional Facility	1,949,707	363,309,714	479,397,410	186.34	245.88	240.62	-2%
Collins Correctional Facility	890,476	126,214,764	180,529,196	141.74	202.73	240.62	16%
Coxsackie Correctional Facility	658,906	102,433,877	151,566,059	155.46	230.03	240.62	4%
Downstate Correctional Facility	584,254	213,171,773	302,390,184	364.86	517.57	240.62	-115%
Eastern Correctional Facility	953,272	116,156,339	168,438,530	121.85	176.70	240.62	27%
Edgecombe Correctional Facility	86,122	13,113,542	23,986,770	152.27	278.52	240.62	-16%
Elmira Correctional Facility	1,575,830	225,801,934	315,785,987	143.29	200.39	240.62	17%
Fishkill Correctional Facility	1,556,913	288,777,398	379,304,625	185.48	243.63	240.62	-1%
Five Points Correctional Facility	997,438	112,266,566	199,264,180	112.55	199.78	240.62	17%
Franklin Correctional Facility	544,054	113,149,643	172,584,556	207.98	317.22	240.62	-32%
Fulton Correctional Facility	90,688	8,128,601	19,670,394	89.63	216.90	240.62	10%
Gouverneur Correctional Facility	372,764	84,970,435	129,405,116	227.95	347.15	240.62	-44%
Gowanda Correctional Facility	885,820	125,473,466	178,876,322	141.65	201.93	240.62	16%
Great Meadow Correctional Facility	1,098,651	185,149,979	257,941,356	168.52	234.78	240.62	2%
Green Haven Correctional Facility	1,537,919	235,856,197	309,567,240	153.36	201.29	240.62	16%
Greene Correctional Facility	568,902	102,332,615	164,822,850	179.88	289.72	240.62	-20%
Groveland Correctional Facility	1,119,994	116,407,757	176,778,717	103.94	157.84	240.62	34%

Appendix B: Data tables

DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Hale Creek Correctional Facility	129,594	24,130,184	40,397,717	186.20	311.73	240.62	-30%
Hudson Correctional Facility	349,222	49,308,027	68,118,888	141.19	195.06	240.62	19%
Lakeview Correctional Facility	430,237	58,086,472	95,625,813	135.01	222.26	240.62	8%
Lincoln Correctional Facility	56,919	8,742,910	14,918,341	153.60	262.10	240.62	-9%
Livingston Correctional Facility	287,232	106,615,617	143,890,916	371.18	500.96	240.62	-108%
Lyon Mountain Correctional Facility	86,997	8,866,914	13,204,041	101.92	151.78	240.62	37%
Marcy Correctional Facility	615,738	93,421,099	156,826,128	151.72	254.70	240.62	-6%
Mid-Orange Correctional Facility	564,297	89,811,443	122,177,884	159.16	216.51	240.62	10%
Mid-State Correctional Facility	1,077,248	242,040,636	319,639,599	224.68	296.72	240.62	-23%
Mohawk Correctional Facility	934,159	149,588,982	221,627,440	160.13	237.25	240.62	1%
Monterey Correctional Facility	97,983	11,623,208	18,081,918	118.62	184.54	240.62	23%
Moriah Correctional Facility	113,881	12,415,818	22,131,602	109.02	194.34	240.62	19%
Mt. McGregor Correctional Facility	575,352	62,690,077	91,407,367	108.96	158.87	240.62	34%
NYCC	50,000	281,186	784,051	5.62	15.68	240.62	93%
Ogdensburg Correctional Facility	524,842	50,360,024	79,879,790	95.95	152.20	240.62	37%
Oneida Correctional Facility	1,006,228	187,262,959	278,526,211	186.10	276.80	240.62	-15%
Orleans Correctional Facility	356,243	58,141,911	96,335,920	163.21	270.42	240.62	-12%

Appendix B: Data tables

DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Otisville Correctional Facility	402,366	54,088,019	80,723,848	134.42	200.62	240.62	17%
Queensboro Correctional Facility	128,372	19,705,174	40,160,219	153.50	312.84	240.62	-30%
Riverview Correctional Facility	310,340	68,889,078	106,372,834	221.98	342.76	240.62	-42%
Shawangunk Correctional Facility	341,601	50,186,490	82,303,496	146.92	240.93	240.62	0%
Sing Sing Correctional Facility	1,068,852	177,015,222	241,437,916	165.61	225.89	240.62	6%
Southport Correctional Facility	430,326	62,354,070	100,122,618	144.90	232.67	240.62	3%
Sullivan Annex	59,246	2,429,583	4,202,870	41.01	70.94	240.62	71%
Sullivan Correctional Facility	367,204	84,565,687	123,191,938	230.30	335.49	240.62	-39%
Summit Correctional Facility	81,952	11,753,698	18,677,004	143.42	227.90	240.62	5%
Taconic Correctional Facility	241,852	46,418,707	68,511,528	191.93	283.28	240.62	-18%
Training Academy	93,066	12,477,063	18,270,950	134.07	196.32	240.62	18%
Ulster Correctional Facility	275,534	44,158,572	71,604,582	160.27	259.88	240.62	-8%
Upstate Correctional Facility	717,173	114,483,411	185,669,778	159.63	258.89	240.62	-8%
Wallkill Correctional Facility	515,311	75,613,275	103,692,626	146.73	201.22	240.62	16%
Washington Correctional Facility	471,270	89,628,420	123,742,817	190.18	262.57	240.62	-9%
Watertown Correctional Facility	341,785	55,253,197	87,488,484	161.66	255.98	240.62	-6%
Wende Correctional Facility	623,100	102,590,399	153,954,406	164.65	247.08	240.62	-3%

Appendix B: Data tables

DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Willard D.T.C.	1,176,933	124,480,088	162,484,709	105.77	138.06	240.62	43%
Woodbourne Correctional Facility	410,400	89,826,725	120,652,617	218.88	293.99	240.62	-22%
Wyoming Correctional Facility	708,325	102,849,354	144,306,871	145.20	203.73	240.62	15%

DEPARTMENT OF HEALTH	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
David Axelrod Institute	2,250,500	111,858,358	206,787,181	49.70	91.88	164.88	44%
Griffin Laboratory	80,000	43,414,938	73,023,701	542.69	912.80	164.88	-454%
Helen Hayes Hospital	500,000	35,738,682	111,597,610	71.48	223.20	164.88	-35%
NYS Veteran Home @ Batavia	80,000	13,932,552	27,488,376	174.16	343.60	164.88	-108%
NYS Vets Home @ Montrose	186,000	24,605,474	51,706,939	132.29	277.99	164.88	-69%
Skilled Nursing Facility-NYS Veterans' Home at Oxford	250,000	38,644,220	81,176,682	154.58	324.71	164.88	-97%

Appendix B: Data tables

DEPARTMENT OF TRANSPORTATION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
1530 Jefferson Road	61,955	10,190,250	18,786,297	164.48	303.22	158.65	-91%
16 Avis Drive	20,000	3,692,498	5,254,912	184.62	262.75	158.65	-66%
545 Front St.	24,316	666,901	1,042,747	27.43	42.88	158.65	73%
Broome Residency	31,000	3,340,704	4,681,602	107.76	151.02	158.65	5%
DOT Region 5 Fleet Shop	43,250	3,981,619	7,520,435	92.06	173.88	158.65	-10%
EM Shop Region 3	65,044	5,462,044	8,537,645	83.97	131.26	158.65	17%
Fleet Administration & Support Repair Shop	44,339	3,127,701	4,838,468	70.54	109.12	158.65	31%
Fleet Administration M	48,000	4,230,761	6,267,241	88.14	130.57	158.65	18%
Hamburg	22,963	2,531,259	3,788,735	110.23	164.99	158.65	-4%
Lockport	43,000	3,751,353	6,012,115	87.24	139.82	158.65	12%
Melville HQ	32,500	3,711,058	5,044,953	114.19	155.23	158.65	2%
Monroe East Residency HQ	25,829	2,622,293	4,494,610	101.53	174.01	158.65	-10%
North Merrick HQ	57,250	7,535,278	10,266,539	131.62	179.33	158.65	-13%
NYSDOT Jefferson Co. Residency	30,000	3,300,440	5,690,640	110.01	189.69	158.65	-20%
NYSDOT Lewis Co. Residency	27,579	2,313,268	3,690,498	83.88	133.82	158.65	16%
NYSDOT Ogdensburg Sub-Residency	30,000	2,640,443	3,905,867	88.01	130.20	158.65	18%
Onondaga East Residency	30,453	3,064,049	5,125,809	100.62	168.32	158.65	-6%

Appendix B: Data tables

DEPARTMENT OF TRANSPORTATION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Riverhead HQ	30,000	3,546,275	4,691,425	118.21	156.38	158.65	1%
Schuyler/Yates Residency	35,710	2,722,412	3,216,977	76.24	90.09	158.65	43%
Syosset HQ	30,000	2,328,205	3,605,323	77.61	120.18	158.65	24%
Wyoming County Residency	27,125	3,072,933	4,161,166	113.29	153.41	158.65	3%

INSURANCE FUND	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Albany 1	58,831	4,398,908	11,803,632	74.77	200.64	202.60	1%
Albany 15	38,221	2,080,633	6,570,970	54.44	171.92	202.60	15%
Buffalo	49,059	2,750,197	5,835,881	56.06	118.96	202.60	41%
Hempstead	48,245	3,101,876	6,359,382	64.29	131.81	202.60	35%
NYC	316,087	23,046,401	64,514,066	72.91	204.10	202.60	-1%
Syracuse	58,644	6,051,523	20,212,087	103.19	344.66	202.60	-70%

Appendix B: Data tables

METROPOLITAN TRANSPORTATION AUTHORITY*	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
126th Street Depot	101,219	43,392,392	68,772,016	428.70	679.44	398.65	-70%
2 Broadway	1,600,000	81,402,378	210,889,896	50.88	131.81	398.65	67%
Amsterdam Depot	76,304	9,397,414	17,806,035	123.16	233.36	398.65	41%
Baisley Park Depot	75,800	11,534,790	21,769,061	152.17	287.19	398.65	28%
Bathgate Shop	54,000	2,491,727	4,332,090	46.14	80.22	398.65	80%
Battery Parking Garage	765,970	3,457,721	11,548,787	4.51	15.08	398.65	96%
Brewster North Maint. Facility	3,127,701	14,744,111	28,630,370	226.83	440.47	398.65	-10%
Casey Stengel Depot	129,514	48,344,870	79,728,134	373.28	615.59	398.65	-54%
Castleton Depot	146,000	44,413,046	84,355,392	304.20	577.78	398.65	-45%
Charleston Depot	107,242	18,944,626	33,339,021	176.65	310.88	398.65	22%
College Point Depot	94,940	42,242,327	90,247,143	444.94	950.57	398.65	-138%
Crosstown Shop	34,288	4,770,765	8,532,093	139.14	248.84	398.65	38%
East New York Depot	593,619	52,128,144	172,131,124	87.81	289.97	398.65	27%
Eastchester Depot	56,500	19,745,496	37,324,373	349.48	660.61	398.65	-66%
Far Rockaway Depot	32,000	8,692,075	12,595,534	271.63	393.61	398.65	1%
Flatbush Depot	160,767	71,004,034	115,055,218	441.66	715.66	398.65	-80%
Fresh Pond Depot	134,430	50,826,002	90,430,676	378.09	672.70	398.65	-69%
Grand Avenue Depot	564,00	155,970,895	339,472,557	276.54	601.90	398.65	-51%
Grand Central Terminal	762,000	454,914,319	887,992,544	597.00	1,165.34	398.65	-192%

Appendix B: Data tables

METROPOLITAN TRANSPORTATION AUTHORITY*	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Gun Hill Depot	289,127	55,642,340	87,222,406	192.45	301.68	398.65	24%
Jackie Gleason Depot	262,632	73,150,890	111,122,118	278.53	423.11	398.65	-6%
Jamaica Depot	101,115	42,949,746	63,114,731	424.76	624.19	398.65	-57%
JFK Depot	151,000	31,319,673	47,657,756	207.42	315.61	398.65	21%
Kingsbridge Depot	417,632	50,079,033	97,673,738	119.91	233.88	398.65	41%
La Guardia Depot	118,400	28,366,571	35,733,762	239.58	301.81	398.65	24%
LIRR - Hillside Maintenance Facility - Bldg # 1	490,000	61,355,858	73,196,173	125.22	149.38	398.65	63%
LIRR - HSF - Bldg # 2	314,811	50,025,662	133,080,064	158.91	422.73	398.65	-6%
LIRR - Jamaica Corporate	64,275	15,227,460	45,516,797	236.91	708.16	398.65	-78%
LIRR - Sheridan Shop - Richmond Hill	73,413	16,785,970	38,079,305	228.65	518.70	398.65	-30%
Manhattanville Depot	340,000	66,435,529	128,796,001	195.40	378.81	398.65	5%
Meredith Avenue Depot	31,100	1,877,224	3,400,010	60.36	109.33	398.65	73%
Michael J. Quill Depot	498,433	106,055,315	184,909,954	212.78	370.98	398.65	7%
MTA Headquarters - 341 Madison Ave	46,515	4,858,648	11,380,507	104.45	244.66	398.65	39%
MTA Headquarters - 345 Madison Ave	79,800	9,078,616	27,720,862	113.77	347.38	398.65	13%
MTA Headquarters - 347 Madison Ave	212,000	32,782,281	76,385,180	154.63	360.31	398.65	10%
Queens Village Depot	209,462	55,657,798	87,728,440	265.72	418.83	398.65	-5%
Spring Creek Depot	60,000	25,025,156	42,146,072	417.09	702.43	398.65	-76%
Tuskegee Airmen Depot	371,823	112,905,691	183,365,082	303.65	493.15	398.65	-24%

Appendix B: Data tables

METROPOLITAN TRANSPORTATION AUTHORITY*	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Ulmer Park Depot	182,761	70,146,789	113,690,382	383.82	622.07	398.65	-56%
West Farms Depot	169,268	32,624,606	72,728,148	192.74	429.66	398.65	-8%
Yonkers Depot	24,200	9,438,253	18,009,439	390.01	744.19	398.65	-87%
Yukon Depot	270,394	67,181,614	109,296,568	248.46	404.21	398.65	-1%
Zerega Central Maintenance Facility	242,466	44,102,744	108,553,924	181.89	447.71	398.65	-12%

*Note: MTA facilities are generally industrial in nature and therefore will not have an Energy Use Index that is comparable to other, more conventional, state facilities.

NIAGARA FRONTIER TRANSPORTATION AUTHORITY*	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
BNIA Maintenance Bldg.	32,500	1,041,714	3,123,276	32.05	96.10	429.94	78%
Buffalo-Niagara International Airport	449,984	108,330,096	275,221,901	240.74	611.63	429.94	-42%
Cold Spring Bus Garage	204,412	37,535,230	57,489,659	183.63	281.24	429.94	35%
Facility Maintenance Department	25,543	1,750,425	2,789,692	68.53	109.22	429.94	75%
Frontier Bus Garage	142,356	45,339,176	64,360,331	318.49	452.11	429.94	-5%
Gisel Wolford Garage	114,466	20,463,339	29,404,055	178.77	256.88	429.94	40%
Metropolitan Transportation Center	103,119	14,785,407	39,633,345	143.38	384.35	429.94	11%
Niagara Falls International Airport	69,430	7,488,902	18,882,961	107.86	271.97	429.94	37%

*Note: NFTA facilities are generally industrial in nature and therefore will not have an Energy Use Index that is comparable to other, more conventional, state facilities.

Appendix B: Data tables

NEW YORK POWER AUTHORITY	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
*Clark Energy Center/MOMC Building	116,267	15,159,863	50,622,004	130.39	435.39	243.91	-79%
Clarence D Rappleyea	420,000	47,500,180	102,441,377	113.10	243.91	243.91	0%

*Building data not used in overall agency summary calculation

NEW YORK STATE DIVISION OF STATE POLICE	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
SP Carthage	20,000	3,250,146	3,843,535	162.51	192.18	182.33	-5%
Troop A HQs	43,073	5,141,418	9,608,497	119.37	223.07	182.33	-22%
Troop B HQs	39,000	3,844,399	8,364,712	98.57	214.48	182.33	-18%
Troop C HQs	43,610	3,399,318	6,344,269	77.95	145.48	182.33	20%
Troop D HQs	50,000	4,534,928	8,942,833	90.70	178.86	182.33	2%
Troop E HQs	46,150	4,082,571	7,817,030	88.46	169.38	182.33	7%
Troop F HQs	45,832	4,072,682	8,333,056	88.86	181.82	182.33	0%
Troop K HQs	55,000	4,665,033	9,223,126	84.82	167.69	182.33	8%

Appendix B: Data tables

OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE SERVICES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Kingsboro ATC	110,000	17,469,484	38,882,570	158.81	353.48	353.48	0%

NEW YORK STATE ENERGY RESEARCH DEVELOPMENT AGENCY	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
NYSERDA - Main Office	66,000	4,278,935	11,532,476	64.83	174.73	174.73	0%

Appendix B: Data tables

OFFICE OF CHILDREN AND FAMILY SERVICES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Allen Residential Center	62,601	5,189,562	7,643,315	82.90	122.10	227.86	46%
Annsville Residential Center	31,870	1,236,782	4,130,851	38.81	129.62	227.86	43%
Brookwood Secure Center	108,355	15,502,786	32,773,593	143.07	302.46	227.86	-33%
Ella McQueen Reception Center	54,532	7,503,386	15,423,144	137.60	282.83	227.86	-24%
Finger Lakes Residential Center	110,000	19,671,669	39,040,507	178.83	354.91	227.86	-56%
Goshen Secure Center	81,512	9,668,196	19,119,796	118.61	234.56	227.86	-3%
Highland Residential Center	173,547	15,051,936	24,453,664	86.73	140.91	227.86	38%
Industry School	229,809	19,981,522	39,513,644	86.95	171.94	227.86	25%
Industry Secure Center	68,487	15,991,429	16,912,316	233.50	246.94	227.86	-8%
Lansing Residential Center	55,639	9,223,463	16,025,696	165.77	288.03	227.86	-26%
MacCormick Secure Center	51,824	7,032,422	14,996,261	135.70	289.37	227.86	-27%
Middletown Residential Center	25,795	4,186,987	7,401,539	162.32	286.94	227.86	-26%
Parker Training Academy	22,942	2,669,699	5,161,631	116.37	224.99	227.86	1%
Red Hook Residential Center	22,372	1,642,977	5,487,543	73.44	245.29	227.86	-8%
Sgt. Henry Johnson YLA	24,800	2,601,786	8,689,967	104.91	350.40	227.86	-54%
Taberg Residential Center	20,078	1,179,187	3,938,485	58.73	196.16	227.86	14%

Appendix B: Data tables

OFFICE OF PARKS, RECREATION, AND HISTORIC PRESERVATION	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Administration, SSSP	60,800	18,701,373	27,936,066	307.59	459.47	244.11	-88%
Lincoln Bathhouse, SSSP	104,146	4,548,204	8,583,228	43.67	82.42	244.11	66%
Mills Mansion	35,000	1,516,405	2,017,788	43.33	57.65	244.11	76%
Niagara Falls Admin/VC	31,050	10,213,224	32,972,059	328.93	1,061.90	244.11	-335%
Niagara Maintenance	29,585	4,718,272	7,489,937	159.48	253.17	244.11	-4%
Olana Main House	42,000	363,080	366,711	8.64	8.73	244.11	96%
Taconic Regional Office*	35,000	910,595	3,041,386	26.02	86.90	244.11	64%

*The data does not reflect all NYS Office of Parks, Recreation and Historic Preservation campuses greater than 20,000 sqft. Full data set will be updated in future publications.

Appendix B: Data tables

OFFICE OF GENERAL SERVICES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
50 Wolf Road	360,000	25,151,620	68,596,075	69.87	190.54	226.58	16%
Albany - 110 State Office Building	480,000	35,554,593	100,707,118	74.07	209.81	226.58	7%
Albany - 44 Holland State Office Building	286,000	25,567,104	70,697,856	89.40	247.20	226.58	-9%
Albany - Hampton Plaza State Office Building	76,000	5,935,851	16,901,249	78.10	222.38	226.58	2%
Albany - TenEyck State Office Building	342,100	47,520,785	158,501,295	138.91	463.32	226.58	-104%
Binghamton State Office Building	261,372	23,962,775	63,983,016	91.68	244.80	226.58	-8%
Brooklyn - Shirley Chisholm State Office Building	288,318	14,101,245	36,166,967	48.91	125.44	226.58	45%
Buffalo - Senator Walter J. Mahoney State Office Building	82,561	6,088,859	10,552,900	73.75	127.82	226.58	44%
DEC Central Office	471,000	27,107,695	76,011,484	57.55	161.38	226.58	29%
Empire State Plaza	11,231,789	1,659,873,408	2,702,921,750	147.78	240.65	226.58	-6%
Hampton Plaza	76,000	5,935,851	16,901,249	78.10	222.38	226.58	2%
Harlem - Adam Clayton Powell, Jr. State Office Building	347,748	32,088,914	87,837,351	92.28	252.59	226.58	-11%
Harriman Campus	3,230,733	333,894,276	652,197,673	103.35	201.87	226.58	11%
Hauppauge - Perry B. Duryea State Office Building	365,439	18,605,535	46,423,334	50.91	127.03	226.58	44%
Hawthorne - Hudson Valley Transportation Management Center	92,481	18,358,332	45,425,487	198.51	491.19	226.58	-117%
Hornell - Henderson/Smith State Office Building	68,516	3,997,498	8,834,830	58.34	128.95	226.58	43%

Appendix B: Data tables

OFFICE OF GENERAL SERVICES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Oneonta - Homer Folks Home	27,830	3,364,767	6,294,384	120.90	226.17	226.58	0%
Poughkeepsie - Eleanor Roosevelt State Office Building	88,035	6,442,677	14,948,292	73.18	169.80	226.58	25%
Schenectady - 328 State Office Building	123,800	6,166,507	13,679,326	49.81	110.50	226.58	51%
Syracuse - Senator Hughes State Office Building	197,314	10,616,868	23,037,622	53.81	116.76	226.58	48%
Utica State Office Building	251,621	19,695,895	43,380,663	78.28	172.40	226.58	24%
Watertown - Dulles State Office Building	209,381	13,561,259	31,580,891	64.77	150.83	226.58	33%

Appendix B: Data tables

OFFICE OF MENTAL HEALTH	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Binghamton PC	825,646	83,783,979	126,857,981	101.48	153.65	216.12	29%
Bronx PC	1,149,582	174,158,166	264,216,231	151.50	229.84	216.12	-6%
Brooklyn Children's PC	127,740	15,036,434	33,110,646	117.71	259.20	216.12	-20%
Buffalo PC	694,496	76,775,418	137,246,636	110.55	197.62	216.12	9%
Capital District PC	876,616	48,918,457	109,644,314	55.80	125.08	216.12	42%
Central NY PC	553,687	78,669,106	126,635,982	142.08	228.71	216.12	-6%
Creedmoor PC	2,423,683	238,570,453	428,109,898	98.43	176.64	216.12	18%
Elmira PC	266,405	36,062,646	63,644,748	135.37	238.90	216.12	-11%
Hudson River PC	410,840	31,771,704	61,374,875	77.33	149.39	216.12	31%
Hutchings PC	486,909	49,176,261	102,002,133	101.00	209.49	216.12	3%
Kingsboro PC	814,521	87,624,338	145,285,554	107.58	178.37	216.12	17%
Manhattan PC	2,193,153	295,947,188	469,514,358	134.94	214.08	216.12	1%
Middletown PC	468,491	40,129,870	76,885,326	85.66	164.11	216.12	24%
Mid-Hudson PC	348,285	42,356,826	77,402,471	121.62	222.24	216.12	-3%
Mohawk Valley PC	698,605	85,958,460	148,539,407	123.04	212.62	216.12	2%
NYPI	558,134	124,740,308	263,128,598	223.50	471.44	216.12	-118%
Pilgrim PC	1,968,012	232,918,423	420,363,003	118.35	213.60	216.12	1%

Appendix B: Data tables

OFFICE OF MENTAL HEALTH	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Rochester PC	853,024	94,924,730	168,755,703	111.28	197.83	216.12	8%
Rockland Cook-Chill	59,067	26,922,674	55,190,943	455.80	934.38	216.12	-332%
Rockland PC	1,715,973	231,013,811	434,758,188	134.63	253.36	216.12	-17%
Sagamore PC	151,324	16,259,488	36,599,330	107.45	241.86	216.12	-12%
South Beach PC	616,622	68,360,765	142,306,678	110.86	230.78	216.12	-7%
St. Lawrence PC	647,091	112,878,629	196,634,304	174.44	303.87	216.12	-41%
Western NY Children's PC	117,526	12,457,264	23,611,797	106.00	200.91	216.12	7%

Appendix B: Data tables

OFFICE OF PEOPLE WITH DEVELOPMENTAL DISABILITIES	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Bernard Fineson DDSO	286,892	13,131,724	26,578,197	45.77	92.64	270.90	66%
Brooklyn DDSO	524,989	58,628,850	115,794,750	111.68	220.57	270.90	19%
Broome DDSO	402,151	83,121,828	141,932,333	206.69	352.93	270.90	-30%
Capital District DDSO	424,900	75,627,638	142,385,098	177.99	335.10	270.90	-24%
Finger Lakes DDSO/Monroe	301,268	76,017,848	125,622,232	252.33	416.98	270.90	-54%
Finger Lakes DDSO/Newark	269,389	26,648,917	43,267,945	98.92	160.62	270.90	41%
Hudson Valley DDSO	225,739	19,668,521	34,932,672	87.13	154.75	270.90	43%
Metro DDSO	169,870	15,565,134	35,305,196	91.63	207.84	270.90	23%
Staten Island DDSO & Institute for Basic Research	714,211	190,846,950	371,875,919	267.21	520.68	270.90	-92%
Sunmount DDSO	544,498	92,259,212	132,733,777	169.44	243.77	270.90	10%
Taconic DDSO	615,125	135,380,489	177,724,057	220.09	288.92	270.90	-7%
Valley Ridge/Broome DDSO	57,548	9,522,186	21,421,607	165.47	372.24	270.90	-37%
Western DDSO	1,034,839	87,900,384	139,735,832	84.94	135.03	270.90	50%

Appendix B: Data tables

STATE UNIVERSITY OF NEW YORK	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
SUNY - ALBANY	6,171,900	735,661,890	1,324,856,591	119.20	214.66	258.21	17%
SUNY - ALFRED CERAMICS	422,036	78,247,900	131,557,647	185.41	311.72	258.21	-21%
SUNY - ALFRED TECH	1,625,243	171,630,796	281,358,966	105.60	173.12	258.21	33%
SUNY - BINGHAMTON	5,232,088	613,877,344	1,095,626,123	117.33	209.41	258.21	19%
SUNY - BROCKPORT	2,753,971	278,936,285	494,291,148	101.29	179.48	258.21	30%
SUNY - BROOKLYN HSC	2,116,238	557,804,906	942,823,283	263.58	445.52	258.21	-73%
SUNY - BUFFALO COLLEGE	2,955,693	417,025,289	695,669,201	141.09	235.37	258.21	9%
SUNY - BUFFALO NORTH/AMHERST	6,943,598	802,536,087	2,081,483,210	115.58	299.77	258.21	-16%
SUNY - BUFFALO SOUTH/MAIN	3,515,522	483,412,150	903,907,316	137.51	257.12	258.21	0%
SUNY - CANTON	821,478	108,481,413	182,800,007	132.06	222.53	258.21	14%
SUNY - COBLESKILL	1,215,656	121,716,732	233,891,057	100.12	192.40	258.21	25%
SUNY - CORNELL	5,887,874	793,530,789	1,491,649,872	134.77	253.34	258.21	2%
SUNY - CORTLAND	2,415,771	287,166,640	492,485,683	118.87	203.86	258.21	21%
SUNY - DELHI	1,031,852	102,860,295	193,535,453	99.69	187.56	258.21	27%
SUNY - EMPIRE STATE	437,096	21,831,227	54,065,315	49.95	123.69	258.21	52%
SUNY - FARMINGDALE	1,575,373	159,624,794	276,590,385	101.33	175.57	258.21	32%
SUNY - FORESTRY	1,025,575	125,344,011	225,960,298	122.22	220.33	258.21	15%

Appendix B: Data tables

STATE UNIVERSITY OF NEW YORK	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
SUNY - FREDONIA	2,058,598	224,927,748	414,550,570	109.26	201.38	258.21	22%
SUNY - GENESEO	2,341,397	251,261,434	423,984,687	107.31	181.08	258.21	30%
SUNY - GENEVA AES	633,293	108,830,046	176,675,706	171.85	278.98	258.21	-8%
SUNY - MARITIME	726,695	39,514,491	98,841,099	54.38	136.01	258.21	47%
SUNY - MARITIME SHIP	201,319	5,220,807	10,897,771	25.93	54.13	258.21	79%
SUNY - MORRISVILLE	1,680,966	162,560,097	269,241,110	96.71	160.17	258.21	38%
SUNY - NEW PALTZ	2,109,255	251,100,354	431,498,066	119.05	204.57	258.21	21%
SUNY - OLD WESTBURY	1,302,471	184,374,664	223,593,145	141.56	171.67	258.21	34%
SUNY - ONEONTA	2,302,867	271,665,119	464,245,349	117.97	201.59	258.21	22%
SUNY - OPTOMETRY	298,000	26,761,989	66,666,867	89.81	223.71	258.21	13%
SUNY - OSWEGO	3,450,693	410,426,773	689,966,658	118.94	199.95	258.21	23%
SUNY - PLATTSBURGH	2,063,511	326,465,975	577,644,349	158.21	279.93	258.21	-8%
SUNY - POTSDAM	2,217,433	279,816,020	464,189,398	126.19	209.34	258.21	19%
SUNY - PURCHASE	2,437,818	263,660,299	519,616,976	108.15	213.15	258.21	17%
SUNY - STONY BROOK MAIN & HSC	11,483,755	2,497,891,878	4,735,492,173	217.52	412.36	258.21	-60%
SUNY - SYRACUSE HSC	2,760,789	617,767,771	1,223,709,821	223.76	443.25	258.21	-72%
SUNY - SYSTEM ADMIN.	630,936	32,048,469	75,976,782	50.80	120.42	258.21	53%
SUNY - UTICA/ROME	708,706	61,663,462	121,989,285	87.01	172.13	258.21	33%

Appendix B: Data tables

THRUWAY & CANAL AUTHORITY	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Administrative Headquarters	121,000	16,395,506	54,760,991	135.50	452.57	261.12	-73%
Henzel Powers	34,700	5,581,268	11,820,907	160.84	340.66	261.12	-30%
Lysander Canal Maintenance Facility	38,680	5,787,516	10,258,048	149.63	265.20	261.12	-2%
Nyack Division HQ and Maintenance Garage	46,300	7,014,831	11,101,163	151.51	239.77	261.12	8%
Newburgh Complex Vehicle Storage	103,614	3,397,169	10,051,890	32.79	97.01	261.12	63%
Albany Division HQ and Maintenance Garage	36,700	6,623,080	10,131,448	180.47	276.06	261.12	-6%
Syracuse Division HQ and Maintenance Garage	79,892	8,388,063	17,142,725	104.99	214.57	261.12	18%
Buffalo Division HQ and Maintenance Garage	58,769	10,520,980	15,933,767	179.02	271.13	261.12	-4%
Newquip (Brookside Farm) and Maintenance Garage	24,640	2,740,919	4,268,622	111.24	173.24	261.12	34%
Pittsford Canal Shop	20,865	1,417,645	2,105,392	67.94	100.91	261.12	61%

WORKERS' COMPENSATION BOARD	SQFT	TOTAL KBTU USAGE - SITE	TOTAL KBTU USAGE - SOURCE	TOTAL SITE EUI (KBTU/SQFT)	TOTAL SOURCE EUI (KBTU/SQFT)	AGENCY AVERAGE SOURCE EUI (KBTU/SQFT)	BUILDING EUI DIFFERENCE FROM AVERAGE
Albany District Office	97,070	11,362,448	36,348,686	117.05	374.46	305.93	-22%
Peekskill Office	33,464	2,440,047	6,007,179	72.92	179.51	305.93	41%
Queens Office	42,250	3,380,826	10,504,084	80.02	248.62	305.93	19%