EXECUTIVE ORDER NO. 111 "GREEN AND CLEAN" STATE BUILDINGS AND VEHICLES

STATE ANNUAL ENERGY REPORT FOR STATE FISCAL YEAR 2005/06

JUNE 2007

New York State Energy Research and Development Authority



Executive Order No. 111

"Green and Clean"
State Buildings and Vehicles

Statewide Annual Energy Report for State Fiscal Year 2005/06

June 2007

New York State Energy Research and Development Authority

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Executive Summary

On Governor Eliot Spitzer's first day in office, January 1, 2007, he continued Executive Order No. 111, "Green and Clean" State Buildings and Vehicles via Executive Order No. 5, Review, Continuation and Expiration of Prior Executive Orders. "Green and Clean" State Buildings and Vehicles continues as Executive Order No. 111. Pursuant to Governor Spitzer's directive, all Affected State Entities are required to comply with the goals of Executive Order No. 111.

State Fiscal Year 2005/06 was a key year for metrics and reporting for Executive Order No. 111. In State Fiscal Year 2005/06:

- The renewable power requirements of Executive Order No. 111 became effective;
- The alternative-fuel vehicle requirement for all new purchases and leases increased to 60% or more; and
- Approximately half of the period allotted to achieve the energy-efficiency target of 35% energy reduction has passed.

Annual Energy Reports are due to the New York State Energy Research and Development Authority (NYSERDA) by December 1st of each year, but many Affected State Entities require extensions to complete their submissions. NYSERDA continues to help those entities complete the required yearly report. NYSERDA has updated the Annual Energy Report format to facilitate easier reporting. In addition, NYSERDA continues to provide ongoing project and agency/authority-wide assistance as requested. Key facts and accomplishments for this reporting period include:

- Over 9,500 facilities with over 200 million square feet:
- Energy Use Index (EUI) reduction of 12.32% from Base Year EUI;
- Significant increase of air conditioning, plug loads and clients reported in most Affected State Entities;
- 97,936,209 kWh of renewable electricity purchased;
- 76.3% of all non-emergency, light-duty vehicles were alternatively fueled; and
- Capability to reduce electrical demand by 100,000 kW within one hour.

Several key clarifications were made since the first edition of the Guidelines for Executive Order No. 111 was issued on December 7, 2001. The following organizations are no longer considered to be Affected State Entities: community colleges in the SUNY educational system; the Port Authority of the State of New York and New Jersey; and the New York State Education Department. Nonetheless, the Port Authority, as well as several community colleges, and local governments have indicated that they will strive to comply with the spirit and intent of Executive Order No. 111. Therefore additional

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¹ At the time of this report, several Affected State Entities were still in the process of completing or revising their Annual Energy Reports for State Fiscal Year 2005/06. The vast majority of the data were available and complete, however, allowing this summary report to be issued.

benefits that are not captured within this report have resulted from Executive Order No. 111.

During the period covered by this report, an audit was conducted by the New York State Office of the State Comptroller. The purpose of that audit was to determine if NYSERDA, the New York State Office of General Services (OGS) and a representative sample of Affected State Entities complied with the requirements of Executive Order No. 111. Specifically, the focus of the audit was to determine whether or not:

- The New York State Energy Research and Development Authority (NYSERDA) had developed adequate energy-efficiency guidelines;
- The New York State Energy Research and Development Authority provided adequate assistance to other Affected State Entities to implement the Order;
- The New York State Office of General Services (OGS) had incorporated the requirements of the Order into its statewide procurement contracts; and
- Whether or not a sample set of Affected State Entities complied with the purchasing standards set forth in Executive Order No. 111.

Verification of the last goal of this audit required the Office of the State Comptroller to audit 234 purchases made by seven selected State agencies.

The Office of the State Comptroller issued its final audit report on November 9, 2006. In the final report, the Office of the State Comptroller stated that it found NYSERDA had adopted guidelines consistent with the requirements of the Order. The Office of the State Comptroller also stated that it found the OGS appropriately established statewide contracts that are consistent with the requirements of the Order. Of the 234 purchases that were audited, the Office of the State Comptroller stated that only two were found not to comply with the requirements of Executive Order No. 111. For that reason, the Office of the State Comptroller concluded that Affected State Entities were appropriately acquiring ENERGY STAR® or energy-efficient products consistent with the purchase requirements of the Order. The full audit report and findings can be downloaded from the New York State Office of the State Comptroller's website, located at: http://www.osc.state.ny.us/ Both NYSERDA and OGS responded to the audit and stated that they accepted and agreed with the findings of the audit. It is anticipated that additional audits of the process governing Executive Order No. 111, and of the compliance efforts by individual Affected State Entities, will occur in the future.

Energy Efficiency

In State Fiscal Year 2005/06, Affected State Entities reported energy consumption for more than 200 million square feet in over 9,500 facilities. The Averaged Energy Use Index (EUI) was reported to be 12.32% more efficient than the reported Base Year EUI. Reported progress to date is detailed in the table on the following page.

Energy Use Index Reduction by State Fiscal Year

Year	Percent EUI Reduction from Base Year EUI	Progress Towards Goal of 35% EUI Reduction
State Fiscal Year 2001/02	-8.9%	25.4%
State Fiscal Year 2003/04	-10.22%	29.5%
State Fiscal Year 2005/06	-12.32%	35.2%

The Averaged EUI has been calculated by summing all Affected State Entities' EUI percent of reduction, and dividing by the number of Affected State Entities that reported. This has been the method of calculating statewide energy-efficiency progress since the first Summary Annual Energy Report was issued in 2003, reporting on State Fiscal Year 2001/02. This method of calculation is weights each Affected State Entity equally.

An alternative method of calculating energy use reduction is to sum all energy use and calculate the energy reduction by dividing that sum by the total square feet reported. The energy use reduction by this calculation is 18.8%, more than half of the energy reduction goal of Executive Order No. 111. This method of calculation takes into account that Affected State Entities control different amounts of space and demonstrates that larger Affected State Entities have achieved greater energy savings than smaller Affected State Entities.

An alternative strategy to comply with the energy use reduction goals of Executive Order No. 111 is to have individual facilities rated in a building rating program such as the:

- U.S. Environmental Protection Agency's Building Performance Rating System (Portfolio Manager), the required Professional Engineer's certification to earn an ENERGY STAR® Building Label; or
- U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) rating system for Existing Buildings.

Several Affected State Entities have started to use one or more of these rating systems and many facilities are going through the formal certification process. Based on feedback from Affected State Entities, it is expected that in the coming years, many more facilities will seek compliance through this alternative method. Two excellent examples of this approach are the New York State Department of Environmental Conservation, (DEC) that used the U.S. EPA Building Performance Rating System for several years, and the New York Power Authority that completed the certification process of the U.S. Green Building Council's LEED for Existing Buildings rating system for its headquarters facility in White Plains, NY. In each Annual Energy Report, Affected State Entities must report each facility that has met either of these standards.

Many Affected State Entities have reported a significant increase in their energy consumption due to expansion of air conditioning, an increase in plug loads (i.e. computers, office equipment and other distributed energy-using equipment), and an increase in their clients/customers. These expansions of energy use continue to represent

a challenge for many Affected State Entities. Additional challenges facing Affected State Entities are fiscal restraints that are still in effect. Maximizing Affected State Entities' opportunities to employ staff with energy-efficiency backgrounds and responsibilities in this area could be an effective strategy to meet the requirements of Executive Order No. 111 and overcome these challenges.

Feedback in the Annual Energy Reports, and ongoing contact with Affected State Entities regarding the energy efficiency gains, have indicated that they were achieved by a combination of low-cost/no-cost operational and maintenance improvements, capital expenditures, and through the efficiency gains in new and substantially renovated facilities being completed.

Renewable Energy

The procurement of renewable energy under Executive Order No. 111 was a new requirement for Affected State Entities. Of all of the requirements included within Executive Order No. 111, it was the one most often reported as the largest challenge. It required multiple approaches and significant staff effort to create the necessary implementation plans. Affected State Entities were allowed to implement any plan they felt was most appropriate for their agency or authority. Each agency and authority proceeded with one or more of the following actions:

- Generate its own electricity on-site (usually photovoltaic systems, small wind or fuel cell installations);
- Participate in the electric distribution utility's voluntary green power purchasing program;
- Participate in the New York State Office of General Service's Invitation for Bid for Renewable Energy Certificates;
- Participate in the New York Power Authority's Voluntary Renewable Power Program; or
- Issue its own bid to procure Renewable Energy Certificates and the associated energy commodity.

In its efforts to help facilitate the state's compliance with Executive Order No. 111, NYSERDA contacted all Affected State Entities regarding their implementation plans. During 2004 through 2006, NYSERDA directly assisted over 40 Affected State Entities in finalizing renewable energy implementation plans. The New York State Office of General Services and the New York Power Authority also provided significant assistance to Affected State Entities, helping them implement their compliance strategies. Most Affected State Entities entered into procurement contracts during the 2005/06 reporting period. As a result, slightly more than half of the reporting Affected State Entities indicated that at least 10% or more of their electrical energy use during the reporting period was generated from renewable resources. Several Affected State Entities chose to attain early compliance with the 2010/2011 requirement of 20% of their electrical energy use from renewable resources, and several others have chosen to procure renewable power in excess of the minimum requirements. Most others reported

that procurement contracts in place would ensure at least 10% of all future purchases will comply with the renewable energy requirements of Executive Order No. 111. Affected State Entities reported 97,936,209 kWh of renewable energy generated or Renewable Energy Certificates procured. This is equal to 3.96% of total reported electrical consumption.

Renewable Energy Purchases Made by Affected State Entities by State Fiscal Year

Procurement Method	Purchases Made in State Fiscal Year 2001/02 (kWh)	Purchases Made in State Fiscal Year 2003/04 (kWh)	Purchases Made in State Fiscal Year 2005/06 (kWh)	Projected Renewable Power Needs for State Fiscal Year 2010/11 (kWh)
On-site	373,400	578,659	1,465,693	1-3%
Generation				
Voluntary	0	12,658,676	41,707,240	20-25%
Utility				
Programs				
OGS IFB	Not Applicable	Not Applicable	29,595,693	20-25%
NYPA	Not Applicable	Not Applicable	25,167,583	20-25%
Renewable				
Energy				
Program				
Self	Not Applicable	Not Applicable	0	20-25%
Procurement				
with RECs and				
Commodity				
Total	373,400	13,237,335	97,936,209	500,000,000

A small number of Affected State Entities reported a problem with the on-line sign up process of their utilities' voluntary renewable energy program. Despite completing the on-line registration process, renewable power contracts were not always executed at that time. Some agencies and authorities discovered this issue in time to correct it during the reporting period, but others did not discover it until finalizing Annual Energy Reports for State Fiscal Year 2005/06. Additionally, two agencies issued bids to purchase commodity and the Renewable Energy Certificates as a linked purchase, to accomplish price hedging at the same time. Both of these organizations reported they had determined all of the bids to be non-responsive and are in the process of re-issuing new competitive procurements. Many Affected State Entities also reported integrating small on-site renewable power systems into future construction projects.

Peak Load

Affected State Entities have had a very successful history of responding to situations when New York State's electric distribution system approached its maximum ability to handle the electric load. The overall peak electric load of all Affected State Entities as been stable since reporting began. Peak load was reported as 564,980 kW in State Fiscal Year 2005/06. Affected State Entities report that they can shed approximately 100,000 kW of this load within one hour if ordered to do so. In past years, this has played a critical role in managing electric consumption on the highest use days, and restarting the grid after the August 2003 outage that affected most of the Northeast. Several Affected State Entities have reported additional steps taken to move toward price responsive load management and hourly pricing contracts. Additional work will be done with several Affected State Entities in the coming years to support these efforts and expand the market.

Procurement

As mentioned earlier, an audit of the product procurement practices was undertaken by the New York State Office of the State Comptroller. While the finding of the audit was that all parties had met their responsibilities under Executive Order No. 111, all Affected State Entities must be vigilant to ensure all procurements meet the minimum procurement requirements. Per the requirements of Executive Order No. 111, all Affected State Entities are responsible for sharing with procurement staff a complete listing of all product efficiency requirements, available at: http://www.nyserda.org/programs/equipstds.asp

Green Buildings

Executive Order No. 111 is frequently cited as having a major market impact on the design and construction of high performance and sustainable buildings in New York State. Many advances have been made in this area and the knowledge base of sustainable building practices throughout New York State's design community and State government project managers is greatly enhanced. The facilities designed and constructed to comply with the sustainability requirements for new and renovated facilities will provide cost savings and operational benefits, as well as other productivity and environmental benefits for many years to come. One of the most important spillover effects of the green building requirements of Executive Order No. 111 was the impact on the design community that also serves private industry.

Alternative-Fuel Vehicles

Affected State Entities reported total new purchases and leases of 1,384 vehicles during the 2005/06 reporting period. Of these, 591 vehicles were reported to be exempt from the requirements of Executive Order No. 111. Of the remaining 793 vehicles that fell under the light-duty vehicle requirements of the Order, 605 were reported as meeting the requirements of the Executive Order. For State Fiscal Year 2005/06, at least 60% of

all new vehicle purchases and leases were to be alternative-fuel vehicles. While some individual Affected State Entities did not meet this requirement, the procurements of all entities combined exceeded the minimum requirement again this year. Affected State Entities reported alternative-fuel vehicles accounted for 76.3% of all new purchases and leases. The total State fleet was reported as 13,052, of which 3,711 light-duty vehicles are now alternative-fuel vehicles.

Several significant steps were also taken in 2006 to better support the E85 infrastructure throughout New York State. Several State owned E85 stations were built, and the first public commercial refueling stations were completed in early 2007. During 2007 and 2008, many more E85 refueling stations are scheduled to be built, which will significantly improve the State's displacement of the use of foreign fuels. It should also be noted that as of January 1, 2007, the requirements of Executive Order No. 142, Directing State Agencies and Authorities to Diversify Transportation Fuel and Heating Oil Supplies Through the Use of Bio-Fuels in State Vehicles and Buildings also went into effect. Governor Spitzer extended Executive Order No. 142 as part of Executive Order No.5, Review, Continuation and Expiration of Prior Executive Orders. Future Annual Energy Reports will require Affected State Entities to report on compliance with both Executive Orders.

Conclusion

State Fiscal Year 2005/06 was a key reporting period for Affected State Entities and for New York State government's progress towards accomplishing its goals. Additional requirements went into effect as of January 1, 2007 as a result of Executive Order No. 142, Directing State Agencies and Authorities to Diversify Transportation Fuel and Heating Oil Supplies Through the Use of Bio-Fuels in State Vehicles and Buildings. Coordinating the requirements of Executive Order No. 142 and Executive Order No. 111 will require modifications to be made to the Guidelines for Executive Order No. 111. These modifications will be made in the summer of 2007 and the Guidelines will be reissued thereafter. The new Guidelines will support the joint implementation of Executive Order No. 111 and Executive Order No. 142 and provide for one reporting format for both Executive Orders.

Progress to date has shown a remarkable amount of effort made by Affected State Entities. Some agencies and authorities have chosen to implement policies that exceed the minimum requirements of the Order. Only a handful of Affected State Entities have not complied with specific requirements of the Executive Order. Entities that are not in compliance are responsible for addressing these issues as quickly as possible and for fully implementing policies that comply with all aspects of Executive Order No. 111.

Case Studies – Examples of Affected State Entities Implementing Exemplary Energy Efficiency and Sustainable Compliance Programs

Affected State Entities have continued to demonstrate a broad spectrum in the manner in which they are complying with the requirements of Executive Order No.111. As a result of the dramatic price spikes experienced in late 2005 and early 2006, many Affected State Entities reported newly expanded energy conservation efforts. Those Affected State Entities that demonstrate the most progress have more formalized energy plans in place and generally have a dedicated energy manager or multiple staff dedicated to best practices energy management and sustainability. Some of the leaders in New York State are: the Dormitory Authority of the State of New York, the New York State Office of General Services, and the New York State Department of Environmental Conservation. In particular, these three Affected State Entities have demonstrated excellent success in achieving energy efficiency requirements, as well as exceeding the renewable energy requirements and the alternative-fuel vehicle requirements of Executive Order No. 111. Furthermore, each of these Affected State Entities has provided support and assistance to help the compliance efforts of other Affected State Entities. These three Affected State Entities are profiled in the following pages.

The New York State Department of Environmental Conservation: A Department-wide Case Study

The New York State Department of Environmental Conservation (DEC) has successfully used the U.S. Environmental Protection Agency's ENERGY STAR Building Performance Rating System, entitled *Portfolio Manager*. The Building Performance Rating System ranks facilities on a 1 – 100 scale. A score of 75 or higher indicates that the facility is among the most efficient 25% of all facilities in the nation. As part of its calculations, the Portfolio Manager normalizes a facility's energy use into a simple score by adjusting for weather, climate, hours of operation, number of occupants, space use, and several other factors that can affect a building's energy consumption.

The DEC has used the Portfolio Manager to rate 19 of its reportable buildings since the beginning of the Executive Order. The DEC reports energy use in 19 buildings it owns, and ranks each building every year as part of its Annual Energy Report. Of these 19 facilities, 18 achieved a score of 75 or higher in the Portfolio Manager. The DEC's average Portfolio Manager score is 86.7, an outstanding accomplishment. Demonstrating the detailed nature of DEC's energy plan, DEC staff have conducted reviews of the single building that has a score below 75 and have identified improvements required for that facility to score a 75 or higher in the Portfolio Manager. The DEC has now budgeted for, and is planning a renovation of the building specifically to address the building's energy performance.

The DEC continues to be committed to constructing, renovating and operating all of its facilities in a sustainable manner. The department has initiated seven

construction projects designed to meet or exceed Executive Order No. 111's sustainability standards. Of these, all but one is being submitted for a formal U.S. Green Building Council LEED certification. DEC was also able to reduce its peak electrical demand by over 7% in State Fiscal Year 2005/06 alone, making one of the largest peak load reduction improvements ever reported by an Affected State Entity.

The DEC has also taken a leadership role with regard to procurement of renewable energy. DEC was one of the first Affected State Entities to install an on-site renewable energy generation system with a photovoltaic (or PV) system installed on the roof of its headquarters building in Albany. Since then, DEC has installed nine 5 kW fuel cells and two PV systems. In addition, the department has begun construction of a 10kW wind turbine at a fish hatchery in Chateaugay. In total, the DEC procured or produced renewable power equal to 32% of its total reportable building load in State Fiscal Year 2005/06, which is a far greater accomplishment than the minimum requirements of Executive Order No. 111.

The DEC also has implemented multiple policies to reduce petroleum consumption, and a detailed plan to implement the use of bio-diesel at many locations and has an aggressive alternative-fuel vehicle acquisition program. In State Fiscal Year 2005/06, the DEC purchased 84 light-duty, alternative-fuel vehicles, constituting 71% of new vehicle purchases.

The New York State Department of Environmental Conservation's leadership and staff are commended for having a thorough and well structured department-wide sustainability plan and for committing sufficient resources to accomplish, and in most cases, exceed the goals as set forth in Executive Order No. 111.

The Dormitory Authority of the State of New York: An Authority-wide Case Study

The Dormitory Authority of the State of New York (DASNY) has been an excellent partner in implementing the goals of Executive Order No. 111, both in its capacity as an Affected State Entity and as a Facilitating Entity, that helps other Affected State Entities comply with the requirements of Executive Order No. 111. DASNY has already reduced its Energy Use Index (EUI) by 46% as compared to its Base Year EUI. This is the largest single EUI reduction of any Affected State Entity and far exceeds the minimum 35% reduction required as part of Executive Order No. 111. Despite this incredible accomplishment, DASNY has established an additional EUI reduction goal in addition. DASNY has also initiated the process to make improvements necessary to comply with the U.S. Green Building Council's LEED® for Existing Buildings rating system. DASNY has implemented many projects at its own facilities, and is a leader and active partner in New York State's efforts to develop new tools and strategies to achieve energy efficiency in renovation projects and operations strategies. While DASNY has participated in many efforts, DASNY's efforts have specifically

helped support the development of new commissioning and retro-commissioning tools and resources, and have increased the use of sustainable design and operation practices for new and existing buildings.

The Dormitory Authority also has created and is implementing a comprehensive vehicle replacement program with the goal of improving fuel economy and reducing pollution. In the 2005/06 reporting period, DASNY purchased 12 vehicles, all of which were hybrid-electric vehicles, and far exceeded this year's minimum alternative-fuel vehicle purchase requirements of Executive Order No. 111. DASNY's aggressive replacement program with more fuel-efficient vehicles, now includes a total of 29 hybrid-electric vehicles out of a total of 54 vehicles.

DASNY also has been a leader for the state in renewable power, exceeding the minimum renewable power requirements of Executive Order No. 111. In State Fiscal Year 2001/02, DASNY installed a 40 kW photovoltaic, also known as PV, system on the roof of its headquarters building in Albany. The installation made it one of the first Affected State Entities in the state to implement an on-site renewable energy project. DASNY also has participated in several programs designed to test and evaluate advanced fuel cell designs in several of the reporting years. While each of the fuel cell installations was temporary, DASNY's commitment to fuel cell technology has helped develop the market and will benefit many others due to the data collected during the evaluation periods. In addition to on-site generation, a substantial component to DASNY's compliance plan was to procure electricity through National Grid's Green Up program.

DASNY continues to be engaged in educating other clients it serves, such as New York City Health and Hospitals Corporation and the New York City Courts, regarding the goals and benefits of Executive Order No. 111. DASNY has spent significant time and resources to educate its staff on many new technologies and strategies to help itself and its clients to be more energy efficient and environmentally aware.

The New York State Office of General Services: An Agency-wide Case Study

The New York State Office of General Services (OGS) serves many purposes within the State of New York. It is one of the largest Affected State Entities in terms of square feet it owns and operates, but equally important is that it is the procurement arm for New York State. As part of the services it provides, it is a landlord to many other Affected State Entities and it provides design and construction management services to many agencies and public authorities across the state. OGS has long been a leader in adopting and implementing policies to reduce energy consumption, design and operate more sustainable facilities, and reduce the state's dependence on imported fuels.

APPENDIX A EXECUTIVE ORDER NO. 111

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APPENDIX B EXECUTIVE ORDER NO. 142



No. 142

EXECUTIVE ORDER

DIRECTING STATE AGENCIES AND AUTHORITIES TO DIVERSIFY TRANSPORTATION FUEL AND HEATING OIL SUPPLIES THROUGH THE USE OF BIO-FUELS IN STATE VEHICLES AND BUILDINGS

WHEREAS, New York State agencies and authorities annually consume over 48 million gallons of diesel fuel and 55 million gallons of heating oil;

WHEREAS, less than 1% of the nation's proven oil reserves and less than 0.03% of the world's proven oil reserves are located in New York;

WHEREAS, New York imports the vast majority of its transportation and heating fuels via extended supply chains that have proven capable of interruption;

WHEREAS, the price of crude oil on worldwide markets has experienced dramatic price fluctuations in recent months;

WHEREAS, New York's security and economy are threatened by an over-reliance upon imported transportation and heating fuels;

WHEREAS, over 5% -- or 400 million gallons -- of New York's gasoline requirements are already met through the use of ethanol;

WHEREAS, approximately 150 million gallons of annual ethanol production capacity are currently planned or under construction in New York State;

WHEREAS, the diesel fuel supply in New York remains exclusively dependent upon imported petroleum products;

WHEREAS, methyl ester, commonly referred to as bio-diesel, can be produced from New York State agricultural products, such as soybeans and other crops, and can be utilized in standard diesel engines without modification; and

WHEREAS, use of renewable fuels in New York would increase demand for agricultural products grown in the State, improve revenue for the State's farmers, provide investment and employment opportunities from the production and distribution of bio-fuels, reduce emissions from

diesel engines, increase diversity of fuel supplies, and decrease reliance on foreign sources of energy.

NOW, THEREFORE, I, GEORGE E. PATAKI, Governor of the State of New York, by virtue of the authority vested in me by the Constitution and Laws of the State of New York do hereby order as follows:

Definitions

- A. "State agency" shall mean any agency or department over which the Governor has Executive authority.
- B. "Public authority" shall mean any public authority, the head of which is appointed by the Governor, or the majority of the board members are appointed by the Governor.
 - C. "B100" shall mean bio-diesel in its pure form.
- D. "B20" shall mean a mixture of 20% bio-diesel and 80% petroleum fuel.
- E. "B5" shall mean a mixture of 5% bio-diesel and 95% petroleum fuel.
 - F. "E100" shall mean ethanol in its pure form.
- G. "E10" shall mean a mixture of 10% ethanol and 90% petroleum fuel.
- H. "E85" shall mean a mixture of 85% ethanol and 15% petroleum fuel.

II. Diversification of State Agency and Public Authority Transportation Fuels

A. Ethanol

New York State currently has four E85 Ethanol fueling stations and additional E85 fueling stations are planned for future installation. Currently, the vast majority of the gasoline powered vehicles in the New York State fleet do not utilize central fueling stations, but instead rely upon private sector gasoline stations. However, all of the gasoline sold in the New York City metropolitan non-attainment area is already 10% ethanol, a significant component of the State's light-duty fleet is already using blended ethanol as fuel.

Therefore, to the extent that gasoline powered State agency vehicles do utilize central fueling stations, all agencies and authorities shall ensure that vehicles capable of operating on E85 ethanol fuel shall do so whenever it is feasible to do so. The Governor's Clean Vehicle Council, chaired by the Commissioner of the Office of General Services and comprised of the fleet managers of State agencies and public authorities, shall prepare a plan outlining steps that can be taken to ensure that, to the greatest extent possible, all flexible-fueled vehicles in the State fleet that can utilize ethanol fuels will do so, and identify and implement measures to provide for such refueling.

B. Bio-diesel

The Governor's Clean Vehicle Council shall prepare a report detailing how such agencies and authorities shall purchase, allocate, distribute and utilize bio-diesel in State agency and public authority fleets. State agencies and public authorities shall purchase, allocate, distribute and utilize bio-diesel in accordance with the aforementioned report, and as specified in the table below. The percentage of diesel shall be a blended equivalent which results in an overall consumption of B100 as set forth below.

Calendar Year	B100 Percentage
2007	2.0%
2008	5.0%
2009	6.0%
2010	7.0%
2011	8.0%
2012	10.0%

III. Substitution of Biodiesel Usage for Alternative Fueled Vehicle Requirements of Executive Order No. 111

Paragraph V of Executive Order No. 111, issued on June 10, 2001, requires that:

"State Agencies and other affected entities shall procure increasing percentages of alternative-fueled vehicles, including hybrid-electric vehicles, as part of their annual vehicle acquisition plans. By 2005, at least 50% of new light duty vehicles acquired by each agency and each affected entity shall be alternative-fueled vehicles, and by 2010, 100 percent of all new light-duty vehicles shall be alternatively-fueled vehicles, with the exception of specialty, police or emergency vehicles as designated by DOB. State agencies and other affected entities that operate medium—and heavy-duty vehicles shall implement strategies to reduce petroleum consumption and emissions by using alternative fuels and improving vehicle fleet fuel efficiency."

In complying with the requirements of Paragraph V of Executive Order No.111, State agencies and other affected entities may substitute the use of 450 gallons of B100 for the acquisition of one alternative-fueled vehicle. Use of 2,250 gallons of B20 or use of 9,000 gallons of B5 may also be substituted for one alternative fueled vehicle. No more than 50% of a given State agency fleet's alternative-fueled vehicle purchase requirement may be met by substituting B100, B20 or B5 in accordance with this Order.

IV. Use of Bio-based Heating Fuels in State Buildings

The New York State Energy and Research Development Authority (NYSERDA) and the New York City Housing Authority are currently conducting a "Bio-Based Heating Oil Project." Although many transportation applications can use bio-diesel at concentrations of up to B20, the fuel is generally used at B5 concentrations for heating and burner applications. Preliminary findings from the study have shown that B5 can be used in process and space heating equipment and has resulted in more efficient furnace operations and reduced emissions.

NYSERDA shall therefore develop a plan pursuant to which state agencies and public authorities shall purchase, allocate, distribute and utilize bio-diesel heating oil for use in state agency and public authority buildings that currently utilize oil, as specified in the table below. The percentage of diesel shall be a blended equivalent which results in an overall consumption of B100 as set forth below.

Calendar Year	B100 Percentage
2007	0.5%
2008	1.0%
2009	2.0%
2010	3.0%
2011	4.0%
2012	5.0%

IV. Waiver Provisions

Although there is a recognized national specification for biodiesel, and most engines and burners can utilize bio-diesel at concentrations of up to B20 without harm or need for modification, there has been limited on-road testing of bio-diesel in the State's diesel vehicle fleet. In addition, certain engine manufacturers have taken the position that use of bio-diesel fuels above certain concentrations will void existing engine warranties. Many, if not all, of those State vehicles are engaged in mission-critical operations that are essential to public safety, convenience and welfare. As a result of the limited onroad testing to date, it is possible that the use of bio-diesel in certain vehicles in the State's diesel fleet may have unacceptable impacts upon the reliable and safe operation of such vehicles or upon the life cycle or warranted performance of certain critical components of such vehicles and therefore may not be prudent.

Therefore, the requirements of Paragraphs II, III and IV of this Order may be waived, either in whole or in part, by any State agency or public authority subject to this Order upon a finding from a commissioner of the State agency or the chief executive officer of the public authority that adherence to such requirement would have unacceptable impacts upon the reliable and safe operation of such vehicles, or upon the life cycle or warranted performance of certain critical components of such vehicles. Such waivers shall be in effect no longer than necessary to address the condition, or for a maximum of 60 days from the issuance of the finding, whichever one is less; however, in the event that the condition that gives rise to the waiver is not capable of being resolved within a 60-day period, such waivers may be extended for an additional period by the State agency or public authority with the concurrence of the President of NYSERDA, after consultation with the Commissioner of the Department of Environmental Conservation.



G I V E N under my hand and the

Privy Seal of the State in the City of Albany this twenty-first day of November in the year two thousand five.

BY THE GOVERNOR

/s/ George E. Pataki

/s/ John P. Cahill Secretary to the Governor

APPENDIX C FACILITY SUMMARY REPORT

Appendix C Facilty Summary Report

Agency	Number of Buildings	Number Sq. Ft. of Buildings	Total Energy Use	Previous Base Year EUI (Source)	SFY 05/06 C EUI	EUI Change From Base	Renewable Energy Purchased	Renewable Energy On Site	Renewable Renewable Renewable Renewable LIPA Energy Energy Energy Demand Purchased On Site From OGS NYPA Utility	Renewable, Energy OGS	Renewable Energy I NYPA	LIPA Demand	LIPA ConEd Upstate Demand Demand Demand	Upstate Demand
Battery Park City Authority	3	45,495	10,603.96	191,827 233	233,079.60	22	44,183	0	0	0	44,183	0	623	0
City University of New York		26,112,939	290 26,112,939 6,097,157.00 271,134		238,897.00	-12	18,400,000	0	0	0	18,400,000	0	94,700	0
Dormitory Authority State of New York	$\boldsymbol{\omega}$	223,400	43,050.00	359,117 192	192,707.00	46	406,594	36,594	370,000	0	0	0	0	756
Metropolitan Transportation Authority	10	2,368,983	551,743.00	287,436 232	232,902.00	-19	4,978,688	255,288	0	0	4,723,400	0	9,180	0
New York Power Authority	w	496,035	93,389.23	224,747 188	188,271.45	-16	2,007,058	7,058	0	0	2,000,000	0	2,120	57
New York State Bridge Authority	κ	141,840	24,233.39	189,517 170	170,850.18	-10	0	0	0	0	0	0	0	582

Agency	Number of Buildings	Number Sq. Ft. of Buildings	Total Energy Use	Previous Base Year EUI (Source)	SFY 05/06 EUI	EUI Change From Base	Renewable Renewable Renewable Renewable LIPA Energy Energy Energy Deman Purchased On Site From OGS NYPA Utility	Renewable Energy On Süe	Renewable Energy From Utility	Renewable Energy OGS	Ren ewable Energy NYPA	LIPA ConEd Upstate Demand Demand Demand	ConEd Upstate Demand Demand	Upstate Demand
New York State Canal Corporation	46	200,209	17,668.00	78,415	88,249.00	13	0	0	0	0	0	0	0	230
New York State Commission on Quality of Care and Advocacy for Persons with Disabilities	-	21,965	2,670.40	122,122 121	(21,575.23	0	24,200	0	24,200	0	0	0	0	125
New York State Department of Agriculture and Markets	1	64,000	10,237.00	184,315 159	159,953.00	-13	58,400	0	58,400	0	0	0	0	0
New York State Department of Correctional Services	4,058	38,314,729	4,058 38,314,729 9,170,145.00 264,967 239,337.00	264,967	239,337.00	-10	14,476,550	0	0	14,476,550	0	0	4,616	51,773
New York State Department of Environmental Conservation	f 19	934,932	133,916.00	205,819	205,819 143,225.00	-30	3,609,753	9,753	3,600,000	0	0	174	226	5,385
New York State Department of Labor	f 39	615,989	54,724.25	125,252	125,252 88,840.00	-29	39,379	0	39,379	0	0	0	0	0
New York State Department of Motor Vehicles	f 31	637,813	50,772.00	74,813	79,603.00	9	0	0	0	0	0	543	214	009

Agency	Number of Buildings	Number Sq. Ft. of Buildings	Total Energy Use	Previous Base Year EUI (Source)	SFY 05/06 EUI	EUI Change From Base		Renewable Energy On Süe	Renewable Renewable Renewable Renewable LIPA Energy Energy Energy Deman Purchased On Site From OGS NYPA Utility	Renewable F Energy OGS	Renewable Energy NYPA	LIPA ConEd Upstate Demand Demand Demand	ConEd Upstate Demand Demand	Upstate Demand
New York State Department of Public Service	0	0	00.00	0	0	0	0	0	0	0	0	0	0	0
New York State Department of Transportation	232	3,344,790	506,722.00	150,000 151,796.00	51,796.00	-	963,233	0	0	963,233	0	7,186	0	76,557
New York State Division of Criminal Justice	κ	161,106	85,516.00	623,875 558,590.11	58,590.11	=	864,000	0	864,000	0	0	0	0	5,900
New York State Energy Research and Development Authority	-	000,99	8,339.30	101,147 126,353.00	26,353.00	25	501,381	0	501,381	0	0	0	0	228
New York State Office of Children and Family Services	285	1,901,532	371,520.70	244,556 195,379.30	95,379.30	-20	0	0	0	0	0	0	0	4
New York State Office of General Services	43	16,762,129	16,762,129 4,579,685.10	387,262 274,690.00	74,690.00	-29	10,395,353	0	0	10,395,353	0	1,600	2,800	47,200
New York State Office of Mental Health	961	18,055,511	18,055,511 3,859,372.00	307,398 21	13,750.00	-31	22,223,400	0	22,223,400	0	0	4,795	15,524	21,561

,	Number of Buildings	Number Sq. Ft. of Buildings	Total Energy Use	Previous Base Year EUI (Source)	SFY 05/06 EUI	EUI Change From Base	Renewable Renewable Renewable Renewable LIPA Energy Energy Energy Deman Purchased On Site From OGS NYPA Utility	Renewable Energy On Süe	Renewable Energy From Utility	Renewable F Energy OGS	tenewable Energy NYPA	LIPA ConEd Upstate Demand Demand Demand	ConEd Upstate Demand Demand	Upstate Demand
New York State Office of Mental Retardation and Developmental Disabilities	461	7,737,717	7,737,717 1,547,500.00 331,759 199,994.00	331,759 15	99,994.00	-40	3,485,121	0	0	3,485,121	0	1,003	5,576	11,368
New York State Thruway Authority	186	1,165,225	1,165,225 211,123.00	178,001 181,186.00	31,186.00	2	2,000,000	0	2,000,000	0	0	0	0	3,478
New York State Workers Compensation Board	21	448,867	79,832.80	448,86751	77,854.00	-42	275,436	0	0	275,436	0	268	0	1,431
Niagara Frontier Transporation Authority	16	1,21,385	505,949.00	414,869 416,287.00	16,287.00	0	0	0	0	0	0	0	0	6,789
State Emergency Management Office	9	41,700	4,710.40	133,603 112,959.20	12,959.20	-15	480	0	480	0	0	0	0	150
State University of New York	2,827	80,850,644	2,827 80,850,644 17,542,527.10 264,442 220,387.00	264,442 22	20,387.00	-17	13,183,000 1,157,000 12,026,000	1,157,000	12,026,000	0		43,321	13,786 122,551	122,551

APPENDIX D DETAILED FACILITY ENERGY USE BY FUEL TYPE

Appendix D

Detailed Facilty Energy Use by Fuel Type

Agency	Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane Other	Other	Total	Base Year	05/06 EUI	Buildings Sq. Ft. Change	Sq. Ft.	Change
Battery Park City Authority	0	0	1,060	10,604	0	0	0	0	0	10,604	191,827	233,080	45,495	21.50
City University of New York 1,536,193 214,394	1,536,193	214,394	412,032	412,032 4,120,325	0	226,245	0	0	6,097,157	6,097,157 271,134	238,897	290	26,112,939 -11.90	-11.90
Dormitory Authority State of New York	6,899	0	3,615	36,152	0	0	0	0	43,050	359,177	192,707	ю	223,400	-46.00
Metropolitan Transportation Authority	53,822	10,641	47,234	472,340	0	14,940	0	0	551,743	287,436	232,902	10	2,368,983	-18.97

Agency	Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane Other Total	Other		Base Year	05/06 EUI	Buildings Sq. Ft. Change	Sq. Ft.	Change
New York Power Authority	13,056	0	8,033	80,333	0	0	0	0	93,389	224,747	188,271	8	496,035	-16.00
New York State Bridge Authority	66	2,307	2,183	21,827	0	0	0	0	24,233	189,517	170,850	23	141,840	-9.80
New York State Canal Corporation	8,138	3,299	622	6,223	0	0	0	0	17,668	78,415	88,249	94	200,209	13.00
New York State Commission on Quality of Care and Advocacy for Persons with Disabilities	0	0	267	2,670	0	0	0	0	2,670	122,122	121,575	1	21,965	-0.45
New York State Department of Agriculture and Markets	1,410	0	883	8,827	0	0	0	0	10,237	184,315	159,953	-	64,000	-13.20

Agency	Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane Other Total	Other	Total	Base Year	05/06 EUI	Buildings Sq. Ft.		Change
New York State Department 3 of Correctional Services	3,109,652 2,268,931	2,268,931	353,299	3,532,987	0	244,740	12,470	1366.4 9	1366.4 9,170,145	264,967	239,337	4,058	38,314,729	-9.57
New York State Department of Environmental Conservation	11,961	8,658	11,189	111,886	0	0	1,411	0	133,916	205,819	143,225	19	934,932	-30.40
New York State Department of Labor	12,585	0	4,217	42,168	0	0	0	0	54,724	125,252	88,840	39	615,989	-29.00
New York State Department of Motor Vehicles	15,516	908	3,445	34,450	0	0	0	0	50,772	74,813	79,603	31	637,813	6.40
New York State Department of Public Service	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

Agency	Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane Other	Other	Total	Base Year	05/06 EUI	Buildings Sq. Ft.		Change
New York State Department of Transportation	168,481	79,252	24,980	249,802	0	0	6,246	2941	506,722	150,000	151,796	232	3,344,790	1.00
New York State Division of Criminal Justice	1,666	0	8,385	83,850	0	0	0	0	85,516	623,875	558,590	es	161,106	-10.50
New York State Energy Research and Development Authority	1,177	0	716	7,163	0	0	0	0	8,339	101,147	126,353	-	66,000	24.90
New York State Office of Children and Family Services	9,753	47,103	22,375	223,752	0	0	0	2912.2	2912.2 371,521	244,556	195.379	285	1,901,532	-20.11
New York State Office of General Services	1,764,617 170,848	170,848	264,422	2,644,220	0	0	0	0	4,579,685	387,262	274,690	84	16,672,129 -29.10	-29.10

Agency	Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane	Other	Total	Base Year	05/06 EUI	Buildings Sq. Ft.		Change
New York State Office of Mental Health	644,638	997,710	201,865	201,865 2,018,654	0	118,959	0	79411 3	79411 3,859,372	307,398	213,750	961	18,055,511	-30.50
New York State Office of Mental Retardation and Developmental Disabilities	509,300	249,588	78,861	788,612	0	0	0	0	1,547,500	331,759	199,994	461	7,737,717	-39.70
New York State Thruway Authority	49,053	8,286	15,227	152,274	0	0	1,509	0	211,123	178,001	181,186	186	1,168,225	1,80
New York State Workers Compensation Board	4,533	0	7,519	75,189	0	0	110	0	79,833	448,867	177,854	21	448,867	-41.90
Niagara Frontier Transportation Authority	155,391	0	35,056	350,558	0	0	0	0	505,949	414,869	416,287	16	1,215,385	0.34

Agency		Gas	Oil	MWh	Electric Btus	Coal	Steam	Propane Other	Other	Total B	Base Year	05/06 B EUI	3uildings	05/06 Buildings Sq. Ft. Change EUI	Change
State Emergency Management Office	gency nt Office	188	1,565	269	2,690	0	0	0	0	4,710	133,603 1	112,959	9	41,700	-15.45
State University of New York	arsity of	4,196,801	4,196,801 1,243,262 964,188 9,641,877	964,188	9,641,877	0 1	1,664,308		14,910 786370.2 17,542,527 264,442	7,542,527		220,387	2,827	80,850,644 -16.70	-16.70
					Š	•	h n	S							
Gas Total	Oil Total	Electric Btus	MWn	Coal	State	ewide Fuc Propane	ruel Us ane (Statewide Fuel Use Summary am Propane Other Ene Use's	tary Energy Use Total	Agencies Reporting	Total Number of Buildings		Total B Sq. Ft.	Baseline EUI	Statewide EUI
12,274,929	5,306,651	12,274,929 5,306,651 27,719,432	2,471,943	0	2,269,191	36,665		873,001 4	45,563,107	26	9,569		201,838,935 2	237,125	225,740

APPENDIX E SFY 2005-06 ALTERNATIVE-FUEL VEHICLE SUMMARY

Appendix E SFY 2005-06 Alternative-fuel Vehicle Summary

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Percent of Purchased AFV's Purcha this year this Year	Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
Battery Park City Authority	0	rs.	0	0.00%	0	0.00%	0	0.00%
Summary for 'Agency'= Battery Park City Authority								
Sum Average	0	e	0	0.00%	0	0.00%	0	0.00%
City University of New York	0	0	0	0.00%	٢	10.00%	0	0.00%
Summary for 'Agency' = City University of New York								
Sum Average	0	0	0	0.00%	L	10.00%	0	0.00%
Dormitory Authority State of New York	12	54	0	0.00%	12	100.00%	29	54.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased this year	s Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
Summary for 'Agency'= Dormitory Authority State of New York								
Sum Average	12	54	0	0.00%	12	100.00%	29	54.00%
Metropolitan Transportation Authority	142	1108	15	10.60%	98	67.70%	338	32.40%
Summary for 'Agency'= Metropolitan Transportation Authority								
Sum Average	142	1108	15	10.60%	98	67.70%	338	32.40%
New York Power Authority	17	274	0	0.00%	17	100.00%	187	%00%
Summary for 'Agency' = New York Power Authority								
Sum Average	17	274	0	0.00%	17	100.00%	187	68.00%
New York Bridge Authority	0	33	0	0.00%	0	0.00%	2	%00'9
Summary for 'Agency' = New York State Bridge Authority								
Sum Average	0	33	0	0:00%	0	0.00%	2	6.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased this year	s Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
New York State Canal Corp.	0	0	0	0.00%	0	0.00%	0	0.00%
Summary for 'Agency'= New York State Canal Corp.								
Sum Average	0	0	0	0.00%	0	0.00%	0	0.00%
New York State Commission on Quality of Care and Advocacy for Persons with Disabilities	0	0	0	0.00%	0	0.000%	0	0.00%
Summary for 'Agency' = New York State Commission on Quality of Care and Advocacy for Persons with Disabilities	X							
Sum Average	0	0	0	%00.0	0	0.00%	0	0.00%
New York State Department of Agriculture and Markets	38	167	0	0.00%	∞	21.00%	42	25.00%
Summary for 'Agency' = New York State Department of Agriculture and Markets								
Sum Average	38	167	0	0.00%	∞	21.00%	42	25.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased Athis year	Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
New York State Department of Correctional Services	224	1631	199	%00.68	25	100.00%	165	100.00%
Summary for 'Agency'= New York State Department of Correctional Services								
Sum Average	224	1631	199	%00.68	25	100.00%	165	100.00%
New York State Department of Environmental Conservation	252	1947	119	47.00%	84	71.00%	302	16.00%
Summary for 'Agency' = New York State Department of Environ- mental Conservation	L							
Sum Average	252	1947	119	47.00%	48	71.00%	302	16.00%
New York State Department of Labor	ĸ	106	0	0.00%	ю	100.00%	4	3.80%
Summary for 'Agency' = New York State Department of Agricul- ture and Markets								
Sum Average	m	106	0	0.00%	æ	100.00%	4	3.80%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased this year	Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
New York State Department of Motor Vehicles	34	214	0	0.00%	30	80.00%	159	75.00%
Summary for 'Agency'= New York State Department of Correc- tional Services								
Sum Average	34	214	0	0.00%	30	%00.08	159	75.00%
New York State Department of Public Service	0	4 4	42	95.00%	9	%00.0	9	13.60%
Summary for 'Agency' = New York State Department of Public Service								
Sum Average	0	4 4	42	%00.56	9	0.00%	9	13.60%
New York State Department of Transportation	77	1385	0	0.00%	39	\$0.00%	647	48.00%
Summary for 'Agency' = New York State Department of Transportation								
Sum Average	77	1385	0	0.00%	39	50.00%	647	48.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased this year	Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
New York State Division of Criminal Justice	6	54	0	0.00%	∞	88.00%	20	37.00%
Summary for 'Agency'= New York State Division of Criminal Justice								
Sum Average	6	54	0	0.00%	∞	88.00%	20	37.00%
New York State Energy Research and Development Authority	0	W	0	0.00%	0	0.00%	4	80.00%
Summary for 'Agency' = New York State Energy Research and Development Authority								
Sum Average	0	v	0	0.00%	0	0.00%	4	80.00%
New York State Office of Children and Family Services	0 0	0	0	0.00%	0	0.00%	0	0.00%
Summary for 'Agency' = New York StateOffice of Children and Family Services								
Sum Average	0	0	0	0.00%	0	0.00%	0	0.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Vehicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased A this year	Percent of AFV's Purchased this Year	Number of FleetAFV's	Percent of Fleet AFV's
New York State Office of General Services	26	196	0	0.00%	14	0.00%	118	%00.09
Summary for 'Agency'= New York State Offices of General Services								
Sum Average	26	196	0	0.00%	14	0.00%	118	%00.09
New York State Office of Mental Health	142	1525	88	62.00%	142	100.00%	621	41.00%
Summary for 'Agency' = New York State Office of Mental Health								
Sum Average	142	1525	88	62.00%	142	100.00%	621	41.00%
New York State Office of Mental Retardation and Developmental Disabilities	124	1735	0	%00.0	40	32.00%	435	25.00%
Summary for 'Agency' = New York State Office of Mental Retardation and Developmental Disabilities								
Sum Average	124	1735	0	0.00%	40	32.00%	435	25.00%

Agency	Number of New Vehicles	Total Number of Vehicles Owned	Number of Véhicles Exempted	Percent of Vehicles Exempted	Number of AFV's Purchased this year	Percent of AFV's Purchased this Year	Number of Fleet AFV's	Percent of Fleet AFV's
New York State Thruway Authority	170	206	107	63.00%	38	%00.09	244	46.70%
Summary for 'Agency'= New York State Thruway Authority								
Sum Average	170	200	107	63.00%	38	%00.09	244	46.70%
New York State Workers Compensation Board	0	36	0	0.00%	0	0.00%	19	76.00%
Summary for 'Agency' = New York State Workers Compensation Board	п							
Sum Average	0	36	0	0.00%	0	0.00%	19	76.00%
Niagara Frontier Transportation Authority	ĸ	101	4	80.00%	-	100.00%	-	1.60%
Summary for 'Agency' = Niagara Frontier Transportation Authority								
Sum Average	w	101	4	80.00%	1	100.00%	1	1.60%

For information on other NYSERDA reports, contact:

New York State Energy Research and Development Authority 17 Columbia Circle Albany, New York 12203-6399

> toll free: 1 (866) NYSERDA local: (518) 862-1090 fax: (518) 862-1091

> > info@nyserda.org www.nyserda.org

EXECUTIVE ORDER No. 111 "Green and Clean" State Buildings and Vehicles

STATEWIDE ANNUAL ENERGY REPORT FOR STATE FISCAL YEAR 2005/06

JUNE 2007

STATE OF NEW YORK ELIOT SPITZER, GOVERNOR

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY VINCENT A. DEIORIO, ESQ., CHAIRMAN PAUL D. TONKO, PRESIDENT AND CHIEF EXECUTIVE OFFICER

