

**MINUTES OF THE  
NEW YORK STATE ENERGY PLANNING BOARD MEETING  
HELD ON OCTOBER 26, 2011**

Pursuant to notice dated October 18, 2011, the second meeting of the New York State Energy Planning Board (“Board”) was convened on October 26, 2011 at 10:00 a.m. at the Albany office of the New York State Energy Research and Development Authority, 17 Columbia Circle, Albany, New York, and was webcast. (A copy of the Notice is annexed as Exhibit A.)

The following Energy Planning Board Members or their designees were present:

- Francis J. Murray, Jr., President and CEO of the New York State Energy Research and Development Authority and chair of the Board
- Garry Brown, Chairman of the NYS Public Service Commission
- George Stafford, designee of Cesar Perales, Secretary of State
- Lynn Weiskopf, designee of Joan McDonald, Commissioner of the NYS Department of Transportation
- Jared Snyder, designee of Joe Martens, Commissioner of the NYS Department of Environmental Conservation
- Peter Davidson, designee of Kenneth Adams, Chairman and CEO of Empire State Development
- Brian Wright, designee of James Sherry, Director of the NYS Division of Homeland Security and Emergency Services
- Colleen Gardner, Commissioner of the NYS Department of Labor
- Robert Chinery, designee of Nirav Shah, Commissioner of the NYS Department of Health
- William Ketzer, designee of Darrel Aubertine, Commissioner of the NYS Department of Agriculture & Markets
- Assemblyman Kevin Cahill
- Khaled Yousef
- James Winebrake

- Patrick Curran, designee of Stephen Whitely, president and CEO of the NYS Independent System Operator

Also present were John Williams, Director of NYSERDA's Energy Analysis program and director of the Board's Working Group; Karl Michael, Program Manager in the Energy Analysis program; Hal Brodie, NYSERDA General Counsel and counsel to the Board; and David Munro, NYSERDA Deputy Counsel and secretary to the Board. In addition, the meeting was attended by staff from various entities on the Board as well as members of the public.

### Background

Chairman Murray called the meeting to order. He advised that the meeting was being videotaped and the video will be placed on the Energy Planning Board website.

Mr. Murray first provided some background information. The State Energy Planning law, enacted in September 2009, establishes an Energy Planning Board, requires the Board to adopt a State Energy Plan every four years, and outlines the conduct of the state energy planning proceedings. Mr. Murray noted that this is the first time New York has enacted an energy planning law that does not have an expiration date. The planning process created by the law is generally similar to the process that existed under the former Article 6 of the Energy Law, as well as the process followed under Governor Paterson's Executive Order, which resulted in issuance of a State Energy Plan in December 2009. Mr. Murray stated that many of the agencies sitting on the Board participated in that process. The first draft of the new plan must be presented for public comment by September 1, 2012 and the final draft of such plan must be issued by March 15, 2013.

Mr. Murray stated that the Legislature amended the Energy Law in July 2011 in order to change the composition of the Board and to streamline the Board's operations. On behalf of the Board, Mr. Murray thanked Assemblyman Cahill for his leadership in securing changes to the legislation.

Mr. Murray stated that there were several items on the meeting agenda: (1) reviewing the minutes from the Board's first meeting in November 2010; (2) considering some minor amendments to the bylaws that the Board adopted in November 2010; (3) acting on a resolution adopting regulations that implement the statute; (4) considering a draft Scoping document that outlines the issues to be addressed in the State Energy Plan; (5) receiving a report on some quantitative analyses that will be performed in developing the State Energy Plan.

### Minutes from November 2010 meeting

Mr. Murray stated that a copy of the draft Minutes of the November 23, 2010 meeting was sent to Board members as a part of the mailing package. Whereafter, upon motion duly made and seconded, and by unanimous voice vote, the minutes of the November 23, 2010 meeting were approved.

## Revision of the Bylaws

The next item involved considering and acting upon amended bylaws. Mr. Murray advised that the Legislature enacted some minor amendments to the Energy Law last July, including changing the composition of the Board. Additionally, the Legislature deleted provisions in the original 2009 legislation calling for participation of Regional Planning Council members as non-voting members of the Energy Planning Board in certain defined circumstances. The statute directs each Council to transmit a report containing recommendations specific to its region on a schedule determined by the Board. Mr. Murray explained that the proposed amended bylaws reflect the new Board membership per the statutory amendments, and remove references to the Regional Planning Councils, since Council members will not be participating in Board meetings.

Whereafter, upon motion duly made and seconded, and by unanimous voice vote, the following Resolution was adopted:

### Resolution # 2

RESOLVED, that the State Energy Planning Board members approve adoption of the amended Bylaws as presented at the October 26, 2011 meeting of the Board.

## Adoption of Regulations

Mr. Murray stated that the next agenda item was to consider and act upon proposed final regulations implementing the energy planning process. Mr. Murray explained that the enabling legislation empowers the Board to adopt rules and regulations “as necessary and appropriate” to implement the statute. The regulations are designed to provide further detail regarding the conduct of the state energy planning process, and to facilitate the collection of information sufficient to enable the Board to address the goals and objectives identified in the enabling legislation. Mr. Murray asked Dave Munro, NYSERDA’s Deputy Counsel and Secretary to the Board, to explain the rulemaking process.

Mr. Munro stated that legal and other staff for entities on the Board provided helpful comments on several internal drafts of the regulations before they were published for public comment on May 25, 2011. He advised that seventeen entities submitted written comments on the draft regulations. The list of commenters, major comments, and the proposed response to those comments, are set forth in the Assessment of Public Comments, included in the materials provided to Board members prior to the meeting. Mr. Munro summarized a few of the most significant public comments, and proposed responses to those comments.

The main concern expressed by major energy suppliers was that much of the information the Board is empowered by the regulations to solicit from major energy suppliers and others can be readily obtained from state agencies (DEC, DPS), the New York Independent System Operator (NYISO), and federal agencies (Federal Energy Regulatory Commission, Department of Energy). The proposed response is as follows: in section 7856.2, the regulations direct the Board to seek to obtain relevant information from entities that are members of the Board,

including the NYISO, before requiring filings from major energy suppliers and others. The Board will largely rely on publicly available data in developing the Plan. However, the regulations provide the authorization for the Board to seek the required information. The Board will do so to the extent that the information is not easily accessible from other sources. Mr. Munro noted this was in contrast to prior energy planning regulations, which set forth specific dates by which major energy suppliers were to file information specified in those regulations. Under these regulations, requests for information will be made only as needed.

Mr. Munro stated that several commenters stressed the need to obtain information regarding: (1) nuclear generating plants, particularly related to emissions, leaks, or regulatory violations; (2) environmental impacts associated with high-volume hydraulic fracturing; and (3) the impacts of climate change. The proposed response is as follows: The Board clearly has the authority to seek this type of information. To the extent the Board determines that such information is relevant to development of the Plan, the Board will obtain such information from governmental agencies and major energy suppliers.

A few commenters opined that the regulations should reflect the existence of Regional Planning Councils, and specify how such Councils will operate. Mr. Munro stated that the draft Assessment of Public Comments document responded as follows: (1) the Regional Planning Councils are entities created by statute independent from the Energy Planning Board; (2) the legislation states how the Councils will be established and organized, and sets forth their role in the planning process; (3) the Councils themselves, not the Board, will determine how they will operate.

Finally, Mr. Munro stated that one commenter questioned the Board's legal authority to request certain revenue and cost information from major electricity suppliers. The proposed response is:

- (1) The enabling legislation clearly empowers the Board to seek revenue and cost information.
  - The statute directs that in its consideration and development of policies, programs and other actions, the Board shall, among other identified goals, be guided by the following: insulating consumers from volatility in market prices and reducing the overall cost of energy in the State. (Energy Law section 6-102(5))
  - The law also directs that the Plan include the following: “identification and assessment of the costs, risks, benefits, uncertainties and market potential of energy supply source alternatives; emerging trends in supply, price, and demand” (Energy Law section 6-104(2)).
- (2) However, the Board does not believe it is necessary at this time to seek this information from major energy suppliers. Consequently, the final regulations delete a short section in the draft regulations [section 7857.2(a)(17)], pertaining to fuel costs, operating costs, and revenue for individual electric units.

- (3) The Board will determine at a future time whether it needs to obtain such information, or related information, from major energy suppliers and/or other entities in order to address the goals and specific components of the Plan identified by the Legislature; and if so, it will request such information pursuant to the sections of the Energy Law referenced above, as well as various regulatory provisions empowering the Board to seek “such other information as is necessary” to carry out the purposes of the law. [Section 7857.3 (electricity); 7858.3 (natural gas); 7859.3 (petroleum); 7860 (coal); 7861.5 (steam); or 7862.3 (biogas, biofuels, biomass)].

Mr. Munro stated that neither the revisions made to the regulations in response to public comments, nor those made to conform to the 2011 amendments to the Energy Law, constitute “substantial revisions” as that term is defined in the State Administrative Procedure Act. That is, the revisions do not materially alter the purpose, meaning or effect of the regulations that were published in the State Register last May. Consequently, the Board is not required to solicit further public comments on the revised regulations.

Mr. Munro concluded by stating that, assuming the Board approves the regulations, Mr. Murray as Chair of the Board will sign the Certification that is attached to the proposed resolution. NYSERDA will then file a Notice of Adoption with the Department of State. The regulations will become effective once the Notice of Adoption is published in the State Register.

Several Board members had questions. Commissioner Gardner asked how the regulations had changed from the version published for public comment last May. Mr. Munro explained that several changes were made to conform to the statutory amendments enacted by the legislature earlier this year, including the following:

- Section 6-106 of the statute was amended to require at least three public hearings on the Draft State Energy Plan in each of the two regions defined in §6-102; section 7848.2 of the regulations has been changed accordingly.
- Section 6-106(3)(e) of the statute now allows the Board to require a single comprehensive submission of required information from industry or trade groups of utilities and major energy suppliers, rather than individual submissions from their members; sections 7856.1 and 7856.2 have been revised accordingly.
- Section §6-106(6) was amended to require the Board to hold public comment hearings prior to adopting an amendment to the energy plan, but to make evidentiary hearings, if requested, discretionary, rather than mandatory; section 7852.3 of the regulations has been revised consistent with this amendment.

Mr. Munro stated that a number of the definitions had also been clarified in response to public comments.

Commissioner Gardner asked whether such changes are significant enough to warrant another round of public comments on the revised regulations. Mr. Munro responded that additional public comment is only required if the revisions are substantial, and that the changes

made in response to comments received from the public were relatively minor. NYSERDA legal staff researched court decisions addressing this issue, and concluded that courts give agencies a fair amount of leeway- otherwise, the public comment process would be triggered anew every time an agency made any revisions to proposed regulations.

Assemblyman Cahill noted that the Consumer Protection Board, whose Chair was a Board member under the 2009 legislation, has now been merged into the Department of State. He expressed strong concern that consumer interests are not being adequately represented in the energy planning process. George Stafford responded that DOS staff have discussed this issue at some length, and recognize that a significant part of DOS' responsibilities in the energy planning process will be to represent consumer interests. Chairman Brown added that DOS had recently intervened in several utility rate proceedings on behalf of consumers. Assemblyman Cahill stated that he would consider proposing changes to the enabling legislation to ensure consumer representation on the Board.

Assemblyman Cahill noted that the regulations require gas suppliers to provide information regarding their obligations for both in-state and out-of state consumers (see section 7858.29a)(2)). He asked why the regulations don't contain a similar requirement for electric suppliers. John Williams responded that the effect of out-of-state natural gas and electricity obligations differ significantly, and thus does not require that the State track out-of-state electricity sales as closely as required for natural gas. With electricity, the day-ahead market operated by the NYISO identifies anticipated load which is then met through electricity generator bids to meet such load; once all electricity needs are procured, New York State is no longer in need of information for the ultimate disposition of electric energy that is not needed to meet state demand. NYISO processes are also in place to ensure that spot market energy can be procured to meet of-the-moment energy requirements for load and system balancing. Given that natural gas supplies are not distributed according to similar market structures, it is informative to understand where supplies travel, and as a means to ensure that adequate supplies are kept in-state to meet New York based demand.

Assemblyman Cahill stated that the Board received comments from citizens concerned about the potential impacts of hydraulic fracturing on public health and the environment, in particular the chemical products used as additives in the drilling process. He expressed concern that the draft Assessment of Public Comments states that the Board would obtain such information from DEC to the extent such information is relevant to energy planning. Assemblyman Cahill suggested that the Board may wish to be more proactive- for example, seeking such information directly from major energy suppliers instead of relying on DEC to obtain such information.

Khaled Yousef asked why the revised regulations deleted earlier language requiring major electric suppliers to provide certain revenue and cost information on an individual unit basis. Mr. Williams responded that the change was made in response to public comment, because the Board does not presently need such information to develop an energy plan. Mr. Murray added that the Board has clear statutory authority to seek such information, and it will do so if the Board determines that such information is needed in the future.

Mr. Yousef also expressed concern that with the Consumer Protection Board now merged into the Department of State, consumer interests may not be sufficiently protected in the energy planning process, particularly with regard to the cost of electric and other sources of energy. Mr. Murray responded that if the Board determines that it is important to obtain cost information from major energy suppliers, the enabling legislation provides the Board with ample authority to do so.

Whereafter, upon motion duly made and seconded, and by unanimous voice vote, the following Resolution was adopted:

#### Resolution # 3

RESOLVED, that the State Energy Planning Board members (1) adopt the regulations implementing Article 6 of the Energy Law as presented at the October 26, 2011 meeting of the Board, and (2) authorize the Chair to file the Certification attached to the Resolution and accompanying rulemaking package with the Secretary of State.

#### Scoping Document for State Energy Plan

Mr. Murray stated that the next agenda item pertained to the Scoping document that outlines the issues to be addressed in the State Energy Plan. He noted that at its first meeting, the Board established a Working Group, consisting of staff from various state agencies, and directed it to prepare a Scoping document. He stated that John Williams, Director of NYSERDA's Energy Analysis program and director of the Working Group, would explain the stakeholder process that was used to develop the Scoping document, as well as briefly outline the elements of the Scope.

Mr. Murray explained that after e-mailing the draft Scope to Board members, NYSERDA staff realized that the Appendix to the Scope, which summarizes the statutory requirements regarding what the Energy Plan must address, did not contain a few of the changes made by the Legislature in July 2011. Mr. Murray stated that a redlined version of the Scoping document was provided to each Board member at the meeting, and changes were made to pages 6 and 7.

John Williams then explained how the Scope was developed. He stated that the purposes of the Scope included the following:

- Identify topics for Analysis, Development and Discussion; the topic areas to be developed are based on and guided by the statutory requirements specified in Article 6 of the Energy Law
- Further Define and Refine Issues
- Identify Possible Existing Resources for Reference
- Solicit Public Input to ensure all areas of concern are developed in the Plan
- Organize the various Reports for focused discussion of required analyses

Mr. Williams then explained the process by which the proposed Scope was developed:

- The Draft Scope was issued March 10, 2011
- Public comments were received through April 29, 2011
  - approximately 60 sets of written comments were received
  - the Working Group met with approximately 70 stakeholders (a list of commenters and stakeholders met with is annexed at Exhibit B)
- Revisions to the Draft Scope were based on stakeholder feedback and Working Group deliberations

Mr. Williams then identified the key areas of Stakeholder Comments: Energy Costs; Clean Energy Economy; Energy System Reliability and Security; Investing in Energy Infrastructure and Smart Grid; Role of Energy Efficiency and Renewable Energy in Meeting Energy Goals; Development & Use of NY's Natural Gas Resources; and Nuclear Energy.

He also identified a few cross-cutting issues: The Role of Natural Gas Going Forward and the Impacts on Various State Policies; and Growing the Clean Energy Economy.

Mr. Williams then described the structure of the Draft Plan:

- Reports will be completed by teams led by one of the Working Group member agencies and consisting of relevant staff from the planning agencies. Work will be coordinated by the Working Group.
- The 2013 Plan will be organized in five Volumes:
- Volume I: Plan Recommendations and Synthesis
  - will include an overview and synthesis of the Plan's reports
  - will list the Board's recommendations
- Volume II: Meeting New York's Energy Needs
  - Energy Systems and Costs Overview
  - Energy Efficiency
  - Renewable Resources
  - Electricity
  - Natural Gas
  - Petroleum
  - Coal
  - Nuclear
  - Other Fuels
  - Transportation, Smart Growth
  - Security, Resiliency, and Emergency Planning
- Volume III: Minimizing Environmental and Health Impacts
  - Climate Change
  - Environmental Impacts
  - Health
  - Environmental Justice
- Volume IV: Growing New York's Clean Energy Economy
  - Looks at innovation, workforce, economic development
  - Local, Regional, and Federal Action, Collaboration
- Volume V: Quantitative Analyses



## Moving Forward

Mr. Williams then outlined the schedule for development of the draft and final Plans:

- |  |                   |
|--|-------------------|
| ▪ Draft State Energy Plan<br>& Reliability Study | September 1, 2012 |
| ▪ Public Comment Period<br>& Public Hearings     | Fall-Winter, 2012 |
| ▪ Final State Energy Plan                        | March 15, 2013    |

Several Board members had questions about the Scope. Khaled Yousef asked for clarification on the Board's role regarding operation of nuclear power plants given the overlapping jurisdiction of various federal and state regulators. Mr. Williams replied that the Plan will need to factor in the responsibilities of various regulators as it makes recommendations in this area.

Jamie Winebrake stated that the Scope needs to broaden the focus on rail transportation beyond passengers to include freight, given the importance of freight traffic on economic development in New York.

Peter Davidson stated that he would like the work product for Volume 4, Growing NY's Clean Energy Economy, to include an analysis of how various policy choices (e.g. mandating 1% of clean energy from offshore wind vs 3%) will impact job creation. He suggested that specific mandates would help develop permanent supply chain jobs.

Lynn Weiskopf sought clarification on forecast time-lengths to be addressed in Plan. Mr. Williams replied that the statute calls for forecasts for a minimum period for ten years, and for such other periods as the Board may determine. He noted that the Climate Action Plan Interim Report looks out 20 years, to 2030; and the Energy Efficiency and Renewable Resources Potential Study that NYSERDA will conduct will also use a 20 year reference forecast.

Khaled Yousef stated that it is important to measure results obtained from implementation of the final Plan. Mr. Williams responded that the biennial reports required by the enabling legislation will do this, and will identify roadblocks to implementation, as well as corrections needed to the next Plan.

Assemblyman Cahill asked whether the Plan will contain a geographic breakdown regarding Systems Benefits Charge (SBC) and Renewable Portfolio Standards (RPS) expenditures. Mr. Williams replied that NYSERDA reports this information to DPS annually. Additionally, the upcoming Energy Efficiency and Renewable Resources Potential Study will take into account geographic opportunities for new power sources both upstate and downstate; the Board and agencies implementing programs can make decisions based on that study.

Assemblyman Cahill asked whether the solar deployment study that NYSERDA is required to conduct under the Power NY Act of 2011 by January 31, 2012 will be incorporated into the Plan. Mr. Williams replied that it would.

Assemblyman Cahill stated that it is important to examine secondary health impacts resulting from importing energy from other states. He noted that energy from these sources may be cheaper, but have a greater impact on public health and/or the environment of New York residents. Mr. Williams replied that the Plan will definitely look at local health impacts from in-state power sources, and he agreed that impacts on state residents from out-of state sources may be greater.

Assemblyman Cahill stated that it is important to examine market impacts from relieving transmission congestion. Mr. Williams responded that this can be built into modeling that will be conducted in development of the Plan- for example, what are the costs and benefits of a new transmission line that runs from upstate to downstate.

Assemblyman Cahill stated that the Scope doesn't focus sufficiently on public health impacts, especially regarding environmental justice (EJ) communities. Noting very high asthma rates in some downstate communities, he asked whether EJ communities will have a seat at the table as New York State develops additional electricity sources.

Assemblyman Cahill stated that the Scope is skewed towards R & D activities, and stated that there should be more emphasis on market development, as this is the key as to whether renewables can develop a foothold in New York State. He also stated that more data is needed on the availability of propane and fuel oil, in order to deploy these fuels more effectively.

Assemblyman Cahill stated that the Plan should contain a life-cycle assessment of fuels- from extraction through storage/disposal, stating that without this data, policy choices will be skewed. He also stated that more planning is needed to respond to severe weather. Assemblyman Cahill noted that that he asked DEC to reconsider the impact of flooding on hydrofracking.

Khaled Yousef stated that the Plan needs a section clearly spelling out action items. Mr. Williams replied that such items will be spelled out in Volume 1 of the Plan. Mr. Yousef also asked whether there is a report that measures results from implementation of the 2009 Energy Plan. Mr. Murray replied that Governor Paterson insisted that the prior Board ascertain whether recommendations were implemented and what the results were. He said that some of that information exists, and NYSERDA will make it available to the Board. Finally, Mr. Yousef stated that it would be good to have an independent third-party evaluator examine the results.

Colleen Gardner stated that DOL will assist with measurements regarding numbers of jobs created, as well as what additional training will be needed.

Lynn Weiskopf asked whether Plan recommendations will be made by sector (residential, commercial, industrial) since transportation issues cut across sectors. Mr. Williams replied that that could be the way the Plan organizes some of the recommendations.

Peter Davidson stated that he would like the Scope to more explicitly identify economic development as a goal, in order to use the State's energy resources to maximize state economic development and job creation. Mr. Murray replied that the enabling legislation has language

stating that economic development is an explicit goal, and agreed that the Scope should be revised to include such language.

Whereafter, upon motion duly made and seconded, and by unanimous voice vote, the following Resolution was adopted:

#### Resolution # 4

RESOLVED, that the State Energy Planning Board members approve adoption of the Scope of the State Energy Plan as presented and amended at the October 26, 2011 meeting of the Board.

#### Quantitative Analyses to be performed in developing the Plan

The next agenda item was a presentation by Karl Michael from NYSERDA's Energy Analysis program, who explained some of the quantitative analyses that will be performed as the Working Group develops the draft State Energy Plan. Those analyses will include the following: (1) Forecasts regarding Energy Use and Prices, (2) Electricity System Modeling and (3) an Energy Efficiency and Renewable Resources Potential Study.

#### Forecasts: Energy Use and Prices

- Forecasts of future energy use and prices will be disaggregated by fuel and energy type, including electricity, natural gas, petroleum products, coal and other fuels.
- Forecasts will also be disaggregated by end-use customer sectors, including commercial, industrial, residential and transportation.
- Forecasts are used as baselines or starting points in analyses of various energy policy actions that could result in energy prices or use being either higher or lower.

#### Electricity System Modeling

- The Plan will use the Integrated Planning Model (IPM), an electricity system simulation model developed by ICF International.
- Data Inputs will include the following:
  - Capacity and operating characteristics of existing generation units, as well as new units and retirements that are known with relative certainty
  - Capabilities of the transmission system, including transfer limits between zones within New York and between New York and neighboring regions
  - Amount of electricity needed by customers and patterns of use
  - Prices for natural gas, petroleum and coal used by electric generation units
  - Additional generation capacity needed to meet reserve margins and local reliability requirements
  - Capital and operating costs and performance characteristics, such as heat rates, of potential new generation plants and environmental controls

- Electricity system changes needed to comply with specific energy and environmental requirements, such as meeting the Renewable Portfolio Standard and various emission limits
- Model Results: Outputs will include, over a 20-year period, mix of generation types and fuels; new capacity needs; retirements of certain units based on economic projections; wholesale energy and capacity prices; imports of electricity from outside New York, and emissions of various pollutants.
- Electricity system simulation modeling will be used to estimate the impacts of potential system changes, developments, and policies on the operation and costs of New York’s electricity system. The specific types of potential changes to be analyzed may include addition or retirement of certain generation units, changes in transmission capabilities, changes in fuel or energy markets, development of new technologies, or changes in energy or environmental policies.

Potential Study: Energy Efficiency and Renewable Resources

- The study will estimate the portfolios of energy efficiency technologies and renewable resources, across energy types and sectors, that could achieve various target levels for energy use reductions, renewable resource implementation, and greenhouse gas emission reductions.
- The study will include technologies that are commercially available as well as those that are in near- to mid-term development, incorporating anticipated improvements in cost and performance, learning curves, and economies of scale.
- The analytical results of this study will be used to inform the Plan, with respect to consideration of developing statewide long-term goals for energy efficiency and renewable resources that may extend substantially beyond the 2015 time frame of the current “45 by 15” Clean Energy Policy goals. Further, the study results will be used to guide the design and development of the specific policies and programs that will be needed to achieve the next level of long-term goals.

Mr. Murray stated that the Board is not being asked to take any action on Mr. Michael’s presentation.

Garry Brown asked about the geographic reach of the electricity simulation model. Mr. Michael replied that while the Plan will focus on results specific to New York, the model simultaneously simulates the operation of the interconnected inter-state electricity system that includes most of the entire area east of the Rocky Mountains, known as the Eastern Interconnect. Model output specifically includes data reporting for the regions served by the neighboring New England and PJM Independent System Operators. Mr. Brown also asked whether the Energy Efficiency and Renewable Resources Potential Study will address demand response, especially on-peak reduction of load. Mr. Michael responded that this could be included in the statement of work for the study, which is in the process of being developed, provided there are sufficient funds.

Khaled Yousef stated that there is a natural overlap between energy efficiency and demand response, and suggested that the Plan try to reduce demand generally, not just during peak use periods.

#### Upcoming Board Meetings

Mr. Murray suggested that the Board meet on a quarterly basis between now and when the Board considers the draft Plan, which must be issued next September. Mr. Murray indicated that Working Group staff would provide progress reports to the Board at upcoming meetings. After some discussion, the consensus of the Board was that it should meet on a quarterly basis going forward, but could meet more often as needed. Additionally, the Working Group will provide written monthly updates on the State Energy Plan website, thereby keeping both Board members and the general public up-to-date on progress in developing a draft energy plan.

The meeting adjourned a few minutes before noon.

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David A. Munro, Secretary to the Board  
Deputy Counsel, NYSERDA

## Exhibit B

### Entities that submitted written comments

- ACT Bioenergy
- Adirondack Council
- Alliance for Clean Energy New York, Inc.
- Bloom Energy
- Buffalo Wind Action Group
- Citizens Campaign for the Environment
- Citizens Environmental Coalition
- City of New York
- Clean Air Rights for Everyone of NY
- Clean Energy for Jamestown
- Clearwater
- Coalition Against Wood Burning Pollution
- Con Edison and Orange and Rockland Utilities, Inc
- Constellation Energy
- Covanta Energy Corporation
- CREF
- DASNY
- Deepwater Wind
- Empire State Petroleum Association
- Environmental Advocates of New York
- Environmental Defense Fund
- ESCP, Inc.
- Exquisite Heat
- GeoEnergy Enterprises, Inc.
- IBEW Utility Labor Council of New York State
- Innovative Energy Systems, LLC
- IPPNY
- Jamesville Positive Action Committee
- Metropolitan Transportation Authority
- Multiple Intervenors
- Museum Association of New York
- National Grid
- New York Association of Public Power
- New York Biomass Energy Alliance (NYBEA)
- New York Interfaith Power and Light
- New York State Rural Electric Cooperative Association, Inc.
- Northeast Gas Association
- NYSAC
- NYS Smart Grid Consortium
- Pace Energy and Climate Center
- Quebec Government Office in New York

- Railroads of New York (RONY)
- Regional Plan Association
- Retail Energy Supply Association
- SAIC
- Sherman Creek Associates, LLC
- Sierra Club - Atlantic Chapter, Iroquois Group
- Spectra Energy
- The Hudson Renewable Energy Institute, Inc.
- The Nature Conservancy, Eastern NY Chapter
- Transcontinental Gas Pipe Line Company, LLC
- University at Albany
- UTC Power Corp.
- Vote Solar
- Judy Abbott
- Doug Scott
- Dr. Alice Sokolow
- Nancy Wahlstrom

#### Working Group Stakeholder Meetings List

- AAA New York
- Advanced Climate Technologies Bioenergy
- Adirondack Council
- Alliance for Clean Energy New York
- Association of Energy Affordability (AEA)
- Association of Towns of the State of New York
- Astoria Residents Reclaiming Our World
- Audubon New York
- Brookhaven
- Bruce Geiger & Associates (representing the New York Aviation Management Association)
- Buffalo Niagara Partnership
- Building Performance Institute
- Business Council of New York
- Central Hudson
- Colwell Colwell & Petroccione LLP (representing Empire State Petroleum Association)
- Con Edison/Orange & Rockland
- Consortium for Worker Education
- Corning
- Couch White (representing Multiple Intervenors)
- Covanta Energy
- Deepwater Wind
- Econoburn
- Endicott
- Environmental Advocates of New York
- Environmental Defense Fund

- Everpower
- EvoTherm USA
- GE
- Horizon Wind Energy
- Hudson Valley Community College (HVCC)
- Iberdrola
- IBM
- Independent Power Producers of New York
- Innovative Energy Systems
- International Brotherhood of Electrical Workers
- Invenergy
- Long Island Association
- Luthin Associates
- MTA
- National Grid
- Natural Resources Defense Council
- New York Bicycling Coalition
- New York Biomass Energy Alliance
- New York City Mayors Office
- New York Energy Consumers Council
- New York State Association of Counties
- New York State Association of Service Stations
- New York State Builders Association
- New York State Conference of Mayors
- New York State County Highway Superintendents Association
- New York State Reliability Council
- NYS Rural Electric Cooperative Association
- New York State Smart Grid Consortium
- Northeast Gas Association
- Northwind & Power/Ridgeline Energy
- NRG Energy
- Nyall LLC (representing NY Propane Gas Assoc.)
- Preservation League of New York State
- Regional Plan Association
- Riverkeeper
- SABIC Innovative Plastics
- SunEdison
- SUNY/Multiple Intervenors
- The Altamont Program
- The Nature Conservatory (TNC)
- United Community Civic Association
- Vote Solar
- Workforce Development Institute