#### **Final Minutes**

# New York State Reliability Council, L.L.C. (NYSRC)

## **Executive Committee**

# **Meeting No. 157 – May 11, 2012**

## Albany Country Club, Voorheesville, NY

#### **Members and Alternates**

#### in Attendance:

Mike Mager, Esq. Couch White, LLP (Large Customers' Sector) – Member - Chair

Curt Dahl, P.E.

George Loehr

Bruce Ellsworth

LIPA - Alternate – Phone
Unaffiliated Member
Unaffiliated Member

William H. Clagett Unaffiliated Member - Phone

Richard J. Bolbrock, P.E. Municipal & Electric Cooperative Sector – Member

George Smith Unaffiliated Member

Mayer Sasson Consolidated Edison Co. of N.Y. – Member Arnie Schuff New York Power Authority – Member

Joe Hipius National Grid, USA – Member

Tom Duffy Central Hudson Gas & Electric – Member Chris LaRoe IPPNY (Wholesale Sellers) – Member

Ray Kinney New York State Electric & Gas/Rochester Gas & Electric - Member

Scott Leuthauser HQ US – Alternate

#### Others:

Paul Gioia, Esq. Dewey & LeBoeuf, LLP - Counsel

Al Adamson Consultant – Treasurer

Roger Clayton Electric Power Resources, LLC – RRS/RCMS Chairman

Henry Chao
New York Independent System Operator (NYISO)
Kristin Bluvas, Esq.
New York Independent System Operator (NYISO)
Wes Yeomans
New York Independent System Operator (NYISO)
New York Independent System Operator (NYISO)

Edward Schrom NYS Department of Public Service

Don Raymond Executive Secretary

Bob Boyle New York Power Authority – ICS Chairman

### <u>Visitors – Open Session:</u>

Phil Fedora Northeast Power Coordinating Council (NPCC)

Erin P. Hogan NYSERDA\*

Matt Renninger ECS\*

"\*" Denotes part-time

#### Agenda Items - (Item # from Meeting Agenda)

#### I. <u>Executive Session</u> – None

- II. Open Session
- **1.0 Introduction** Chairman Mager called the NYSRC Executive Committee (Committee) Meeting No.157 to order at 9:30 A.M. on May 11, 2012 at the Albany Country Club, Voorheesville, NY.
- **1.1 Meeting Attendees** All Members and/or Alternate Members (or representatives) of the NYSRC Executive Committee were in attendance.
- **1.2 Visitors** See Attendee List, page 1.
- **1.3** Requests for Additional Agenda Items None
- **1.4 Declarations of "Conflict of Interest" None**
- **1.5** Executive Session Topics None
- 2.0 Meeting Minutes/Action Items
- **2.1 Approval of Minutes for Meeting No. 156 (April 13, 2012)** Mr. Raymond introduced the revised draft minutes which included all comments received to date. Following discussion, Mr. Bolbrock moved for approval of the draft minutes. The motion was seconded by Mr. Ellsworth and approved by the Executive Committee Members (13 to 0). The Executive Secretary will post the minutes on the NYSRC website AI #157-1.
- **2.2 Action Items List** The Committee reviewed the Outstanding Action Items list and accepted removal of the following items:

Action Item #	<u>Comments</u>
154-3	Mr. Gioia announced payment of the Delaware Franchise Tax at the
	April 13, 2012 Executive Committee Meeting.
155-2	Mr. Smith provided the Code of Conduct forms for the DSWG on
	April 13, 2012
155-4	The "RCMS Evaluation of the NYCA Black Start Program" was
	accepted by the Executive Committee at its April 13, 2012 meeting.
155-5	Mr. Gioia sent the Black Start Letters on April 19, 2012.

#### 3.0 Organizational Issues

- 3.1 NYSRC Treasurer's Report
  - **i. Summary of Receipts & Disbursements** Mr. Adamson introduced the Summary of Receipts and Disbursements which showed a balance of \$172,000 at the end of April 2012. Also, he noted that the 2<sup>nd</sup> Quarter 2012 Call-for-Funds of \$180,000 was completed with the receipt of \$150,000 in April 2012.
- **3.2** Other Organizational Issues Mr. Mager reminded the Compensation Subcommittee that its Compensation Report will be on the June 8, 2012 Executive Committee meeting agenda. Mr. Gioia added that the renewal of the Liability Policy, due by June 15, 2012, was filed.
- 4.0 Key Reliability Issues
- **4.1 Defensive Strategies** Mr. Smith reported that a webex on the Controlled System Separation Study was held by the NYISO on April 26, 2012. Additional results were presented for the 5 extreme contingency cases under analysis involving contingencies within the NYCA. The cases all assumed peak loading. Preliminary testing was performed for these cases using separation triggers under development. These triggers include differential angles, angle rates and angle accelerations as well as other measures. "Differential" is defined as the difference of angular quantities between two areas of the NYCA.

For the contingencies under investigation, a "look up table" using proposed trigger thresholds was used to perform automatic separation at various interfaces in the simulations.

Generally, for the extreme cases under test, a simulated automatic separation sequence appeared successful in maintaining connectivity of key interfaces in the NYCA and avoided the need for load shedding in the major load centers. These results are very PRELIMINARY. As such, they require detailed scrutiny and review regarding the tripping sequence, timing and appropriateness of the islanding performed in the simulation.

While the results described above show promise, it is **much too early** to conclude that automatic controlled separation using PMU based measurements is feasible at this point in the study. Substantial further testing and review of the results by NYISO staff and DSWG advisors are needed before any firm conclusions can be formulated. The NYISO plans to hold a workshop this summer on the CSSS. The scheduling details need to be worked out. The next CSSS monthly webinar is scheduled for May 24, 2012.

- Brown (PSC) and Mr. Steve Whitley (NYISO) on April 19, 2012 expressing the NYSRC's concern regarding the status of the NYISO's System Restoration Plan. Also, a letter from Mr. Mager dated May 8, 2012 was filed with FERC to inform the Commission that at its April 13, 2012 meeting, the NYSRC Executive Committee approved the findings and conclusions in the RCMS report and accepted the report's recommendation that the NYSRC notify certain parties, including the Commission, of its concerns for the 2012 Summer Capability period, since TC Ravenswood has taken the position that it has withdrawn from the NYISO's System Restoration Program.
- **4.3 System Transmission Assessment and Reliability Study (STARS)** Dr. Sasson presented the "System Transmission Assessment and Reliability Study Phase II" (STARS) which is an initiative by New York's electric transmissions (TOs) to create a long-term plan for coordinated infrastructure investment recognizing system refurbishments and benefits including reliability, capacity for growth, public policy initiatives such as renewables, and cost efficiency.

The STARS Phase II Study evaluates the transmission system 20+ years in the future through a joint (vs. TO specific) assessment, using to the extent possible, existing rights-of-way. Base assumptions include and approximate 2030 study year, a load forecast of 40,816Mw, an IRM of 16.5% and a generation expansion of 5,015Mw. Ninety percent of the generation expansion is within New York State and located using a load ratio by zone methodology. Indian Pt. and Dunkirk are assumed to be in the generation mix as are HTP, Astoria Energy II, LIPA Solar Farm, a total of 6000Mw of Wind, and retirements. Generic generation of 3,400Mw was added, 1,750Mw of which is located in zones H-K. The initial base transmission plan for 2030 (approximately) was developed taking into consideration (a) resource adequacy, (b) interface limits, (c) unconstrained load duration curves for each interface, and (d) engineering judgment to propose new or upgraded transmission projects. The initial base transmission plan included new lines: (a) Pleasant Valley - Sprainbrook and Ruland Rd. HVDC, (b) Marcy – Moses and New Scotland, (c) Oakdale - Fraser, (d) Rock Tavern - Ramapo, (e) New Scotland - Leeds, and (f) Leeds – Pleasant Valley plus various 115kV upgrades. The benefit/cost for this initial plan was 0.3 using production cost benefits only. As a result, modified plans were developed and analyzed using engineering judgment and an iterative process for removing projects in order to consider multiple combinations of lines. The results for plans with benefit/cost  $\geq 1.0$  are summarized below:

<u>Plans</u>	New Lines Added	Benefit/Cost
$Pln_1$	Leeds-Pleasant Valley	1.55
$Pln_2$	$Pl_1 + New Scotland - Leeds$	1.18
$Pln_3$	Pl <sub>2</sub> + Rock Tavern-Ramapo	1.18
$Pln_4$	Pl <sub>3</sub> + Oakdale-Fraser	1.07

Product cost sensitivity cases were calculated including high and low Wind, 1,000Mw generation shifts upstate and downstate, high and low fuel price forecasts and high and low emissions price forecasts. Fuel prices and the location of generation have the greatest impact on production cost savings. Also, the inclusion of additional benefits, such as reliability, capacity for growth, and public policy initiatives such as renewables will likely improve the benefit/cost results shown above.

## 5.0 State/ NPCC Federal Energy Activities

5.1 NPCC Report – Mr. Forte summarized in writing the NPCC Board of Director's meeting held on May 1, 2012. He indicated that the Standards Process Input Group (SPIG) began in March 2012 and is providing input and recommendations for improvements to the existing NERC Standards Development Process. NPCC supports the Standards Development Process continuing to maintain ANSI accreditation. In addition, NPCC recommends that the Standards Development Process address use of cost effectiveness assessments and results-based approaches.

The Adequate Level of Reliability (ALR) Task Force was formed to address NERC Board concerns that the definition of ALR needs reassessment to ensure that the definition supports the reliable operation of the BES. NPCC supports this industry-wide process to develop an enhanced ALR definition. A draft revised definition of ALR is posted on the NPCC website for comment through June 25, 2012. Mr. Forte indicated further that the Summer 2012 Reliability Assessment was published and a press conference held on May 10, 2012. The peak load forecast is 107,000Mws with 16,000Mws of net capacity margin. ISO-NE supplies are adequate for the summer, but uncertainty regarding fuel supplies (LNG) could create tight system conditions in the Northeast Massachusetts/Greater Boston area during high load conditions.

Also, Cyber Security Standards (CIP Version 4) were approved by FERC in April 2012 and will become effective in April 2014. This will replace the entity-defined risk based methodology for identifying Critical Assets with a "bright line" set of criteria. CIP Version 5 is currently in the second comment/ballot period. Ballots are due May 21, 2012. Version 5 addresses FERC directives such as requirement for same-day cyber asset access revocation for terminated employees. If approved by FERC, Version 5 will supersede Version 4.

- **NPCC Report** Mr. Fedora reported that NERC is revising the Adequate Level of Reliability (ALR) definition to a more performance based method to determine the ALR. This revision is very much in line with the approach NPCC has encouraged (impact based) for years. The revised ALR definition is currently posted for a sixty day comment period.
  - Also, a press release was given for the Summer 2012 Reliability Assessment on May 10, 2012 (See Section 5.1 above). Northeast Massachusetts is developing plans for managing its LNG supply.
- 5.3 Other Activities Mr. Mager reported that he and Mr. Gioia met with the NYISO (K. Whitaker and K. Jones) at their request to receive an update on NYISO proposals pertaining to the amendment of its FERC tariff regarding the provision of black start service. Messrs. Mager and Gioia informed the NYISO representatives that the NYSRC would have to review the proposed black start revisions to determine if they are consistent with the NYSRC Reliability Rules concerning System Restoration Plans and, if not, whether revisions to the Reliability Rules would be appropriate for allowing testing requirement changes without reducing reliability. They requested that a briefing on the NYISO's proposals be provided to Messrs. Clayton and Adamson as soon as possible. Mr. Mager and Mr. Gioia informed NYISO representatives that, if the NYSRC found the proposed revisions consistent with maintaining system reliability, the NYSRC Executive Committee would entertain conforming changes to the Reliability Rules, subject to FERC's approval of the Tariff changes. Mr. Clayton indicated that he and Mr. Adamson met with the NYISO on May 10, 2012 and received the same update. Also, he noted that the NYISO indicated that TC Ravenswood had submitted black start certification of successful testing of all critical black start components for all units on April 30, 2012.

TC Ravenswood also indicated that it plans to complete a "spot start test" on one of its units. It was noted that the spot start test is not compliant with existing testing requirements. It is unknown whether TC Ravenswood would rejoin the NYISO black start program based on the NYISO's proposed revisions. Mr. Mager stated that he is assuming that any changes to the black start program under the NYISO tariff would be subject to or conditioned upon NYSRC approval of any Reliability Rule changes that may be required for compliance, and that the NYISO should let the NYSRC know if that assumption is incorrect. Following additional discussion, the issues were remanded back to RRS.

#### 6.0 Installed Capacity Subcommittee Status Report/Issues

**6.1 ICS Chairman's Report** – Mr. Boyle summarized the major topics from the May 2, 2012 ICS meeting as shown below:

#### 2013/14 IRM Study

A timetable developed by Curt Dahl and Al Adamson required the NYISO to present two white papers (Load Shape and APA/EFORd) at its May 2 meeting to keep to the IRM report on schedule. Neither white paper was presented.

- a) The load shape white paper will not be delivered on time; June 2012 is now the expected delivery month. NYISO indicated that it might deliver a "memo" report by noon on May 8, 2012 for review by ICS members. ICS scheduled a teleconference at 3:30 on May 9, 2012 to review the report and determine if there are sufficient details to accept the new load shape and present the report to the Executive Committee. The memo report was not presented to the Executive Committee.
- b) The APA/EFORd paper is not complete because the validation process is not progressing as smoothly as expected. The NYISO reported that the Fluegy software was not producing correct results. NYISO is hopeful that the developer of the software code and Dr. Singh can uncover the error in time for inclusion in the base case. ICS asked the NYISO to prepare the paper minus the validation results. ICS also asked that the abbreviated paper include the process/procedure that will be followed to validate the model. The abbreviated white paper must be delivered to ICS members by noon on May 8, 2012 for review. ICS scheduled a teleconference at 3:30 on May 9, 2012 to review the report and determine if there are sufficient details to present the report to the Executive Committee. The report was not presented to the Executive Committee. Dr. Sasson suggested that an independent validation may be necessary. He further urged the Executive Committee not to approve the new process for use in this year's IRM calculation before there is a high level of certainty that it has been correctly implemented.

## **SCR** analysis

A NYISO study<sup>1</sup> on SCRs was presented to the ICS by Donna Pratt and John Adams. The report showed that performance increases for those resources whose performance was reported for the entire duration of the NYISO call, not just for the mandated 4-hours. The NYISO used the GE MARS program to analyze the value of capacity. The MARS model results showed that the longer SCRs are required to perform, and the more calls made in a year, the higher the capacity value. The MARS model results were primarily due to peak load reductions. After 30 days of SCR calls, the peak load is less than 85% of the annual peak.<sup>2</sup>

or the report

<sup>&</sup>lt;sup>1</sup> Special Case Resources: Evaluation of the Performance and Contribution to Resource Adequacy

<sup>&</sup>lt;sup>2</sup> Page 4 of the report

The NYISO presented highlights from the Report on <u>System-Level Estimation of Demand Response</u> <u>Program Impact</u>. The analysis performed by the NYISO used a regression model to predict performance of SCRs and EDRP enrollments obligated or available to perform in July 2011. The regression model's predictions for hour 15 provided R<sup>2</sup> of over 98% for the NYCA, zone J of 99.7%, and 95% for zone K. At the next ICS meeting, a decision will be made on whether to use the regression model or to use the historical performances presented by Ms. Pratt and Mr. Adams.

#### **PRR109**

ICS agreed that a rule is required to mandate that the NYISO collect performance data on both generation and demand response providers. ICS removed language from the PRR that reference Policy 5. This was done so ICS and NYISO could go through an iterative process without a non-compliance ruling hanging over the NYISO's head. In addition, aggregators were concerned that a non-compliance ruling could be issued against them while the collection procedure was being developed. A new issue surfaced during the meeting. Aggregators want the Transmission Owners held accountable when SCR data is not provided to the Aggregators. Because of the newness of this issue, ICS did not approve this item.

#### Policy 5

NYISO proposed a method to adjust the IRM database if the EC chooses a lower final IRM than what was presented to the EC. NYISO proposed that a list of parameters for adjusting the base case be included in policy 5. This will give the NYISO the guidance they seek for adjusting the database and does not require the EC to explicitly state what parameters to change in any given year. ICS approved the proposal. The proposal still needs to flesh out parameters that do not bias the results.

- **6.2** Other ICS Issues Nothing additional to report.
- 7.0 Reliability Rules Subcommittee Status Report/Issue
- **7.1 RRS Status Report & Discussion Issues** Mr. Clayton reported that the joint RRS/RCMS meeting was held on May 3, 2012. Two separate meetings were held, each with its own agenda and minutes.
- 7.2 Status of New/Revised Reliability Rules
  - i. Proposed NYSRC Reliability Rules Revision
    - a. List of Potential Reliability Rules ("PRR") Changes
    - b. Status of New/Modified Reliability Rules
      - 1. PRRs for EC Final Approval
        - Mr. Clayton reported that PRR #109, <u>SCR Performance Data Reporting in C-R2</u>, <u>C-M14 and C-M15</u>, was posted and comments were received from Energy Curtailment Specialists, Inc. (ECS) and the NYISO. ECS noted that the collection of data from SCR resources is voluntary. Therefore, ECS is concerned that as a market participant, it would be exposed to non-compliance as would the NYISO because the data reporting by the SCR resources was not mandatory. The comments were resolved at the May 3, 2012 RRS meeting which was attended by Mr. Renninger (ECS).
          - Subsequent to the meeting, ECS submitted an additional comment. Mr. Renninger participated in the May 11, 2012 Executive Committee Meeting during which a solution to the latter comment was offered by RRS (Mr. Clayton). Following discussion which included concurrence by Mr. Renninger, Mr. Bolbrock moved for approval of the revised PRR#109. The motion was seconded by Mr. Smith and unanimously approved by the Executive Committee (13 to 0).
        - Mr. Clayton introduced PRR #111, <u>Extreme Contingency Table B (i) Revision</u>, which was posted for comment on March 9, 2012 with no comments being

received. Following discussion, Mr. Ellsworth moved for approval of PRR#111. The motion was seconded by Mr. Smith and unanimously approved by the Executive Committee – (13 to 0).

#### 2. PRRs for EC Approval to Post

- None
- 3. PRRs for EC Discussion
  - None

#### 7.3 NPCC/NERC Standard Tracking

- i. NERC Standards Development Mr. Adamson reported that NPCC is proceeding with the revision of Directory 1, "Design and Operation of the BPS", to reflect the NERC Board of Trustees adoption of TPL-001-2. The NYISO provided an update on where NPCC stands regarding its revision to include more stringent NPCC Rules beyond the NERC requirements. Also, at the request of Mr. Loehr, Mr. Adamson agreed to investigate the NERC Adequate Level of Reliability (ALR) initiative AI #157-2.
- ii. NPCC Standards Nothing new to report.

#### 7.4 Other RRS Issues

- i. New Facility Impact on Transfer Limits Mr. Clayton introduced a proposed change in the Reliability Rules Manual Section B, Introduction, to address the impact of new facilities on interface limits. After discussion, Mr. Bolbrock moved for approval of the additional language. The motion was seconded by Mr. Ellsworth and unanimously approved by the Executive Committee (13 to 0).
- **ii. Other** Mr. Clayton indicated that RRS is preparing a white paper regarding how it will proceed with revisions to NYSRC Reliability Rules B-R1 through B-R4, and eventually the entire Reliability Rules Manual **AI #156-3**. Also, he noted that RRS is considering an addition to Policy 1 that would provide interpretation of the Rules, the process for preparing "Glossary" terms, and revisions to the PRR process to address how late comments will be considered at the next RRS meeting.
- 8.0 Reliability Compliance Monitoring Subcommittee (RCMS) Report/Issues
- **8.1 RCMS Status Report & Discussion Issues** Mr. Clayton indicated that RCMS met following the RRS meeting.
- **8.2 2012** New York Reliability Compliance Program Mr. Clayton indicated that at its May 3, 2012 meeting RCMS found the following Measurements to be in full compliance:
  - (a) A-M2, Establishing LSE ICAP & LCR requirements;
  - (b) E-M1, System operated in accordance with thermal, voltage and stability limits; and
  - (c) J-M3, <u>Disruption of NYISO ICCP data communications which impact real-time data collection.</u> RCMS found parts of the NYISO compliance submission for E-M8, <u>Applications of the Reliability Rules</u>, to be outdated and in error. The NYISO was granted 30 days to submit corrected compliance documentation in accordance with NYSRC policy on lateness.
- **8.3** Other RCMS Issues Mr. Clayton noted that RCMS is considering several Compliance Template changes and that Policy 4-6 is under review.
- 9.0 State/Federal Energy Activities
- **9.1 NYISO 2011 Comprehensive Reliability Planning Process (CRPP)** Mr. Adams reported that the CARIS Phase 1 report was approved by the NYISO Board of Directors on March 20, 2012. The report is posted on the NYISO website under <u>Planning and Planning Reports</u>. A public information meeting was held on April 30, 2012.
  - The preparation for the CARIS 2 studies began upon completion of the CARIS 1 Report. An Assumption Matrix is being developed for updating and extending the CARIS database. The first draft was presented to the ESPWG on April 5, 2012. There is currently one request pending for an "Additional CARIS Study", and additional requests for CARIS 2 Specific Project studies are expected.

The preparation for the 2012 RNA began in January, 2012 with requests to transmission owners and other

stakeholders for information to be used in the base case development. An Assumption Matrix was developed and discussed at ESPWG meetings with the final Assumptions Matrix presented on April 5, 2012. The RNA study modeling is based on the 2012 FERC 715 filing, the 2012 Load and Capacity Report (Gold Book) and external system modeling information from the NPCC CP-8. The 2012 Load and Capacity Report (Gold Book) was completed and released on April 27, 2012. It can be found at <a href="http://www.nyiso.com/public/webdocs/services/planning data reference documents/2012 GoldBook.pdf">http://www.nyiso.com/public/webdocs/services/planning data reference documents/2012 GoldBook.pdf</a>.

### 9.2 Interregional Transmission Studies

**i. EIPC Study** – The final Phase I report is posted at <a href="http://eipconline.com/Resource Library.html/">http://eipconline.com/Resource Library.html/</a>. Three final scenarios were selected: (a) national carbon constraint with increased energy efficiency/demand response/distributed generation, (b) regionally implemented national RPS, and (c) "business as usual".

The Phase II schedule is posted at <a href="http://eipconline.com/Phase II Resources.html">http://eipconline.com/Phase II Resources.html</a>/. The three future resource scenarios will be evaluated with fully developed transmission build-out options that meet reliability requirements. Currently, the base cases for each scenario are being developed using macroeconomic outputs from Phase I. The gap analysis will be performed using linear analysis to identify initial transmission deficiencies (Tasks 7 & 8). Production cost analysis will be performed for each scenario based upon the power flow modeling and transmission expansion options developed under Tasks 7 & 8 (Task 9). High-level estimates of the capital costs of the interregional generation resources and transmission expansion options will be developed (Task 10). A Phase II report is scheduled for October 2012.

A Transmission Options Task Force (TOTF) has been formed as a forum for stakeholders to review and comment on the development of transmission build-out alternatives during Phase II (<a href="http://eipconline.com/TOTF.html">http://eipconline.com/TOTF.html</a>). A face-to-face meeting was held on March 28-29, 2012. The next in-person meeting is scheduled for May 28-29, 2012 in Memphis, TN.

- ii. IPSAC Study Mr. Adams indicated that a teleconference was held on March 30, 2012. A draft 2011 Northeast Coordinated System Plan is available for review at <a href="http://www.nyiso.com/public/markets">http://www.nyiso.com/public/markets</a> operations/committees/meeting materials/index.jsp?com=oc ipsac. The comments were received by April 13, 1012 and the Report is expected to be finalized by the end of May 2012. The next steps of the IPSAC study include: (a) coordination of 2011 ISO-NE/NYISO/PJM production cost models and development of 2017 models, (b) production cost analysis with IREMM and Gridview (ISO-NE), MAPS (NYISO), and PROMOD (PJM), and (c) continued coordination of FERC Order 1000 compliance.
- **9.3 Other Studies/Activities** Mr. Adams noted that the NYISO issued a RFP for the Electric and Gas Study on April 30, 2012. Proposals are due by May 29, 2012. Also, <u>Power Trends</u> was issued on May 10, 2012.

#### 10.0 Other Items

- 10.1 NYISO Operations Report Mr. Yeomans reported that for April 2012, the peak load occurred on Monday April 16, 2012 at 21,128Mws versus the all time winter peak of 25,541Mws on December 20, 2004. Alert states were declared on 18 occasions, 8 for system frequency. No major emergencies or Storm Alerts were declared during the month. Twelve TLR Level 3s were declared in the month of April 2012 for a total of 109 hours.
  - 10.2 North American Energy Standard Board (NAESB) Nothing new to report.
  - 10.3 NYSERDA T&D Study Mr. Loehr reported that the Transmission and Distribution Reliability Assessment Study Group, chaired by Ms. Hogan, met last on April 26, 2012. The "study" document, which will be finalized at the June 7, 2012 meeting, will be presented to the Energy Planning Board (EPB) on June 4, 2012. The EPB will then submit a final report to the State Legislature in September 2012. Ms. Hogan is soliciting volunteers for this presentation. The purpose is not only to provide the information, but also answer the EPB members' questions and give them an opportunity to discuss the

merits of the findings among themselves. The remaining work includes: (a) Writing of the "Executive Summary", (b) Finalizing the "Key Findings and Recommendations" section, (c) Discussion of possible carbon policies for the future, (d) Update of the STARS section and (e) Description of the Energy Highway initiative.

### 11.0 Visitors' Comments - None

# 12.0 Meeting Schedule

<u>Mtg.</u> No.	<u>Date</u>	<b>Location</b>	<u>Time</u>
#158	Jun 8, 2012	Albany Country Club, Voorheesville, NY.	9:30 A.M.
#159	Jul 11, 2012	Albany Country Club, Voorheesville, NY.	9:30 A.M.

The open session of Committee Meeting No.157 was adjourned at 2:30 P.M.