

**Draft Minutes**

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #221 – June 26, 2019  
NYISO Corporate Center, Rensselaer NY**

**Attendees**

**Present    Phone**

**Members / Alternates:**

Rich Wright (CHG&E) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ruby Chan (CHG&E) .....	<input type="checkbox"/>	<input type="checkbox"/>
Akim Faisal (CHG&E) <b>ICS Vice Chair/Secretary</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dmitriy Kiselev (Con Edison) .....	<input type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison) <b>ICS Chair</b> .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sanderson Chery (Con Edison) .....	<input type="checkbox"/>	<input type="checkbox"/>
Khatune Zannat (PSEG LI) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEG LI) .....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Brophy (NYSEG-RGE) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Cordi (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Wentlet (Municipals & Electric Coops) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mike Mager (Couch White – Large Consumers) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Advisers/Non-member Participants:**

Al Adamson (Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Adams (Consultant) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ricardo Galarza (PSM Consulting) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scott Leuthauser (HQUS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Akm Saijadul Islam (NYDPS) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alan Ackerman (CES) .....	<input type="checkbox"/>	<input type="checkbox"/>
Greg Drake (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kai Jiang (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Josh Boles (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frank Ciani (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ryan Carlson (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>

David Allen (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nate Gilbraith (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steve Lemme (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ken Galarneau (Direct Energy).....	<input type="checkbox"/>	<input type="checkbox"/>
Richard Quimby (NYDPS) .....	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input type="checkbox"/>	<input type="checkbox"/>
Dan Mahoney (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Matthieu Plante (HQUS) .....	<input type="checkbox"/>	<input type="checkbox"/>
Brian Shanahan (National Grid) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mike Welch (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Zach Smith (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jim D’Andrea (LS Power).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**New Participants:**

**1. Introduction**

Chair Howard Kosel called the NYSRC ICS meeting to order at 10:00 A.M. on June 26, 2019.

**2. Approval of Minutes for Meeting #220**

- The meeting minutes were approved.

**3. Review Action Item List**

- No changes to the list

**4. Feedback from the last EC Meeting (H. Kosel)**

- Howard presented the HQ wheel and Policy 5 revisions
  - No feedback received form EC.

**5. Sensitivity Cases (H. Kosel)**

- Proposed sensitivity cases
- Offshore wind discussions:
  - Mr. M. Mager and Mr. C. Wentlet suggested having at least one case with high intermittent renewables that model increased reliance on wind and solar due to NYS legislation (70% by 2030).
  - N. Gilbraith supports such a case, but as a separate case from the sensitivity case as this will not have an impact on 2020 IRM.
  - Mr. M. Younger supports that an analysis is necessary but does not believe the ICS (as part of the IRM study) would be applicable place to start.
  - NYISO does not have a concrete plan on how to start this study at the time being but will provide comment in the future. NYISO also stated the first step would be to focus on modeling these resources prior to performing the study.
  - Mr. J. Boles stated that a similar type of sensitivity of 2,000 MW of wind and solar as an extension to last year can be performed.

- NYISO still has uncertainty on the amount of larger scale offshore wind and modeling of its generation profile (some data are available on NREL database). NYISO asked ICS members for feedback and references for offshore wind profiles and characteristics.
  - NYISO is using recent 5 year historic production data.
  - Mark Younger stated that other types of detailed studies are necessary, this includes targeting reliability of intermittent renewables: for example cloudy days, no wind, etc.
  - ICS will provide additional feedback.
  - NYISO will perform sensitivity with both Indian Point generator units out of service.
- 6. Parametric Study – Review of Study Steps and Planned Cases (N. Gilbraith)**
- NYISO presented the parametric study for the 2019 Final Base Case.
- 7. 2020-21 IRM Study Assumptions Matrix – ICS Approval (N. Gilbraith)**
- ICS approved the Study Assumptions Matrix pending minor changes available for the July EC meeting.
  - LFU updates will be provided in July.
  - NYISO would like to include updated LFU in the preliminary base case however; LFTF would not be able to review the work done until August.
  - Mr. M. Younger is requesting a LFTF meeting in July to address LFU.
  - New Energy Storage Resources (ESR): Units have CRIS but neither of the two units is participating in the wholesale market.
    - NYISO will provide an update in the next meeting.
  - Intermittent Resource table will be updated to reflect projects that will be removed.
- 8. Testing MARS ELR Capability (M. Welch)**
- NYISO is currently evaluating new MARS functionality.
  - New MARS update was released on 3/2019 and 5/2019
  - New EOP functionality:
    - Number of days per year, hours per day, energy per day
  - NYISO is hopeful that the differing base case results concerns will be addressed by GE within the next two weeks.
    - This includes testing the new SCR functionality, performing benchmark analysis and communicating relevant feedback to GE.
  - The new MARS version and functionality will not be used for the 2020 IRM base case.
  - M. Younger is requesting monthly updates on new model/functionality, and a SCR sensitivity analysis be performed with the new GE MARS.
- 9. NYISO Proposal to Establish New NYC Reserve Region (NYISO Staff)**
- A. Adamson: Would this impact the current EOP steps?
  - Josh Boles: This would not impact the EOP. (This is referring to operating reserves requirement).
    - NYC requirement to carry 500 MW total 10 min operating reserve and 1,000 MW of total 30 min reserve.
  - FERC approved this proposal.
- 10. NPCC Long Range Energy Security Analysis (NYISO Staff)**
- This item was brought up at the EC and what the NYISO's involvement is.
  - NYISO'S Mr. Z. Smith took this as an action item.
  - NYISO will be following this, will have someone tracking and reporting back on this.
    - This will include future studies.
    - J. Boles will have additional information on this item for the next ICS meeting.
- 11. Additional Agenda Items**

**Other Discussions:**

*Prepared by: Akim Faisal, Central Hudson ([AFaisal@cenhud.com](mailto:AFaisal@cenhud.com))*

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**Upcoming meetings:** Meeting 222, Wednesday, July 30, 2019 at NYISO Corporate Center