

Draft Minutes

New York State Reliability Council - Installed Capacity Subcommittee (ICS)

Meeting #219 – May 1, 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 checked="" type="checkbox"/>
Akim Faisal (CHG&E) ICS Vice Chair/Secretary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dmitriy Kiselev (Con Edison)	<input type="checkbox"/>	<input type="checkbox"/>
Howard Kosel (Con Edison) ICS Chair	<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 checked="" type="checkbox"/>	<input type="checkbox"/>
Ricardo Galarza (PSM Consulting)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Akm Saijadul Islam (NYDPS)	<input type="checkbox"/>	<input type="checkbox"/>
Alan Ackerman (CES)	<input type="checkbox"/>	<input type="checkbox"/>
Wes Yeomans (NYISO)	<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 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"/>
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 checked="" type="checkbox"/>
Brian Shanahan (National Grid)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adam Evans (DPS)	<input type="checkbox"/>	<input type="checkbox"/>

New Participants:

Jim D’Andrea (LS Power)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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1. Introduction

Chair Howard Kosel called the NYSRC Installed Capacity Subcommittee meeting to order at 10:00 A.M. on May 1, 2019.

2. Approval of Minutes for Meeting #218

- The meeting minutes were approved as revised with comments from Kai Jiang.

3. Review Action Item List

- No changes, ICS will try to include completion dates where necessary.

4. 2020-21 IRM Study Tasks:

4.1. Energy Storage Modeling – Final Draft White Paper (R. Carlson)

- Summary and discussions of the whitepaper
- Charge and discharge cycle for the battery storage was modeled for 8 hours.
- Since these units are not currently active for wholesale market participation and the GE MARS software has not yet been released, a simplistic approach was taken to develop a preliminary model. A more detailed model with additional characteristics and features of the battery storage will be developed in the future when a new GE MARS version is released.
- Mark Younger’s concern: title of the Whitepaper should be renamed “Energy Storage Modeling Whitepaper” instead of “Energy Duration Limited Resource Modeling Whitepaper” since different types of energy duration resources (specifically SCRs) was not studied in this whitepaper.

- Josh: NYISO was uncertain whether GE MARS model would be released in time this year, since the GE model has yet to be final as of today, NYISO modeled the battery through a simplistic approach.
- This whitepaper was not intended for SCRs, only intended for battery storage.
- Stakeholders and NYISO agrees the title should be changed to: “Energy Storage Modeling Whitepaper” or something similar.
- ICS Approved this whitepaper pending the following edits:
 1. Change title of whitepaper to Energy Storage Modeling Whitepaper”
 2. Add additional language mentioning that there are other additional energy duration limited resources, this paper has not attempted to evaluate those types of resources and how they should be modeled without GE MARS. A future study (Phase II) would include modeling these types of resources in addition to Battery storage.
- NYISO performed a benchmark tests with the new MARS model and came up with results that raised concerns including longer run time. NYISO has reached out to GE regarding these issues.

4.2. External Area Modeling – Final Draft White Paper (J. Adams and G. Drake)

- Discussion on Sections 5: Case 4 Validation
- Current practice of not including external EOPs in the IRM should be viewed as an interim solution. Modeling the EOPs in external areas can have an affect on the IRM.
- Recommendations for the next steps include:
 1. Adopt the excess method: Scaling loads in external area proportional to excess capacity. NYISO staff and NYSRC recommend scaling loads in this manner to be adopted for the 2020 IRM study.
 2. Not modeling EOP in external areas should be an interim solution until the impact of modeling EOP in external areas on the amount of EA available to NYCA is better understood.
 3. Continue with the efforts regarding development of individual EA limits.
- ICS approved this whitepaper .

4.3. HQ Cedars Upgrade – Final Presentation (F. Ciani)

- Update from Frank Ciani.
- NYISO will have results for the next ICS meeting in June.

4.4. Exports to NE (Update by N. Gilbraith)

- NYISO will send a notification to market participants when this type of transaction takes place.

4.5. Load Shape Model (A. Maniaci)

- Daily and Hourly Load Duration Curve Review 2002-2018 presentation

4.6. General Public Appeals – EC Action (A. Adamson)

- Update will be provided on May 10th EC meeting.

5. 2020-21 IRM Study Assumptions Matrix Update (G. Drake)

- Review of the Assumption Matrix by Greg Drake.
- New energy storage resources – 10 MW of battery storage.
- Assumption Matrix includes loads from 2019 Gold Book.
- If units have CRIS and are active, these units should be included in the model.
- Wheels through NYCA: 2020 Model Assumption includes 300 MW HQ to NE (none modeled in 2019 Model Assumptions)
- Upcoming deactivations and IIFO generating units.

- New BTM-NG and intermittent resources
- 6. Status of new MARS version (G. Drake)**
- Waiting for GE to address concerns raised by NYISO after performing benchmark analysis with the new GE MARS updates.
- 7. Status of base case build up (F. Ciani)**
- Ongoing
- 8. Additional Agenda Items**
- Additions to Policy 5 – Draft will be provided by Al Adamson next June meeting.

Other Discussions:

Prepared by: Akim Faisal, Central Hudson (AFaisal@cenhud.com)

Upcoming meetings:

Meeting 220, Tuesday, June 5, 2019 at NYISO Corporate Center