

Draft Minutes

**New York State Reliability Council - Installed Capacity Subcommittee (ICS)  
Meeting #225 – October 29, 2019  
NYISO Corporate Center, Rensselaer NY**

**Attendees**

**Present    Phone**

**Members / Alternates:**

Rich Wright (CHG&E) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ruby Chan (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 checked="" type="checkbox"/>
John Dellatto (PSEG LI).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Khatune Zannat (PSEG LI) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mariann Wilczek (PSEG LI) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Richard Brophy (NYSEG-RGE).....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
John Cordi (NYPA) .....	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mark Younger (Hudson Energy Economics, LLC – Wholesale Sellers) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chris Wentlet (Municipals & Electric Coops) .....	<input type="checkbox"/>	<input type="checkbox"/>
Mike Mager (Couch White – Large Consumers) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clay Burns (National Grid).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rich Bolbrock (Unaffiliated Member) .....	<input type="checkbox"/>	<input type="checkbox"/>

**Advisers/Non-member Participants:**

Jack DiOdoardo (CHG&E) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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 checked="" type="checkbox"/>	<input type="checkbox"/>
Scott Leuthauser (HQUS) .....	<input checked="" type="checkbox"/>	<input 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"/>
Carl Patka (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 checked="" type="checkbox"/>
Richard Quimby (NYDPS) .....	<input type="checkbox"/>	<input type="checkbox"/>
Adam Evans (DPS) .....	<input type="checkbox"/>	<input type="checkbox"/>
Chris Hall (NYSERDA).....	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
Zach Smith (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Jim D’Andrea (LS Power).....	<input type="checkbox"/>	<input type="checkbox"/>
Max Schuler (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Jack O’Connell (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Hoël Wiesner (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Jeremiah Brockway (NYISO).....	<input type="checkbox"/>	<input type="checkbox"/>
Jim Kane (NYPA) .....	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Osse (NYISO).....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Natara Feller (Feller Law Group).....	<input type="checkbox"/>	<input type="checkbox"/>
Ying Guo (NYISO) .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Arthur Maniaci (NYISO) .....	<input type="checkbox"/>	<input type="checkbox"/>
Erin Hogan (UIU) .....	<input type="checkbox"/>	<input type="checkbox"/>

**1) Introduction**

Chair Howard Kosel called the NYSRC ICS meeting to order at 10:00 A.M. on October 29, 2019.

**2) Approval of Minutes for Meeting #224**

ICS approved Meeting #224 minutes

**3) Review of Action Items List**

No updates to the Action Items List

#### 4) Quality Assurance Results Review

- Final base case sent to GE for review and GE has no comments to the case.
- GE is in the process of masking the case for TO review

#### 5) Tan 45 Results and Final Base Case IRM Review

- 2020 Tan 45 Final Base Case
  - NYCA IRM 19.0%
  - Zone J = 84.0%
  - Zone K = 102.0%
- From preliminary base case to final base case
  - NYCA IRM went from 18.6% to 19.0%
    - 0.3% increase - load forecast update
    - 0.1% increase - correcting the Long Island Battery from 25 MW to 5 MW
- Mr. Gilbraith (NYISO) noted that the Tan 45 curve is based on the NYSRC Tan 45 process for the NYCA IRM and corresponding margins for the Zone J and K locality. After the NYSRC approves the Final IRM, the final LCRs are computed based on the NYISO LCR optimization method.
- ICS approves the Tan 45 Results and Final Base Case
  - Mike Mager abstain

#### 6) Initial Draft IRM Report Body

- Reword preliminary Locational Capacity Requirements (LCRs) throughout the report to Tan 45 calculation based LCRs or another terminology
- Update/remove footnotes
- Open to suggestions to improve describing Load Forecast Uncertainty
- Energy storage should not be listed under renewable resources; should be listed as its own section
- Remove the entire section on EDRP since there were 0 MW of EDRP modeled
- Remove the sentence "These zonal representations align with these Control Areas' own models that they use for their own reserve margin studies."

#### 7) Initial Draft IRM Report Appendix

- New environmental section
- Updated tables
- Add sentence to address the GT rule – "Other regulatory initiatives being undertaken by the State of New York will preclude certain units from continuing in operation in their current configuration."
- As of October 2019, approximately 700 MW of coal-fired generation capacity
- Discussion on difference between load and generator SCRs
- Remove the Executive Committee adjustment in the Implementation of EOP steps table

#### 8) High Renewable Resource Case Review and Draft White Paper

- The case assumed 4,000 MW of off-shore wind, 4,000 MW of on-shore wind and 4,000 MW of solar throughout NYS
- Add a monthly average output for Solar PV

- A suggestion was made to change the average solar PV profile to just showing the solar PV profile for average January and average July
- Add a Monthly Average Off-Shore Wind Output By Year table
- This study will be producing a Tan 45 IRM to see potential impact of large scale renewable
- Add information on UCAP relating to wind and solar resources

**9) Base Case Assumptions Matrix**

No changes to the Base Case Assumptions Matrix

**10) ICS Chair/Secretary Schedule 2020-2025**

For the year 2020

- Ruby Chan (Central Hudson) will be ICS Chair
- National Grid will be ICS Vice Chair/Secretary

**Meeting #226 –Monday, December 2, 2019 at 10 am – NYISO Corporate Center - Krey Blvd, Rensselaer, NY**