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Independent System Operator

# New Generator Assumptions in 2022-2023 IRM Study- FBC

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## ICS Meeting # 267

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# Background

- **Starting 2021, the NYISO adopted a transparent process in screening new proposed generators for recommending inclusion in the IRM model.**
- **The process considers the following data inputs:**
  - The published Gold Book (published in April)
  - Interconnection Queue (IQ)
  - The most recent STAR or RNA
  - Inputs from Customer Registration
- **The NYISO then filters the data with following criteria, based on NYSRC's Policy 5 requirements and the NYISO experience with project development timeline**
  - ✓ IQ Status ≥ 11 (executed Interconnection Agreement)
  - ✓ Completed or in progress of obtaining CRIS
  - ✓ COD Prior to June 1st of the Study Year
  - ✓ Customer registration in progress or completed
  - Plus new generators included in STAR or RNA with COD prior to June 1st of the Study Year
- **List of new generators that satisfy the filtering criteria will be presented and ICS will provide inputs on the next steps**

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# Methodology

- **The methodology used to screen the projects remained the same as presented during ICS Meeting #261 on June 1st (ICS 261 – New Generator Assumptions)**
- **The inputs were updated where new data has become available**
- **Key Inputs:**
  - 2022 Gold Book
  - Most Recent STAR or RNA report
    - STAR: 2022 Q3 Key Study Assumptions (presented during ESPWG/TPAS Meeting on July 26th)
  - Interconnection Queue
    - Downloaded Mid-September
  - Information from Customer Registration
    - Updated Customer Registration information as of September 28th
- **After going through the process with updated inputs, there are two new project recommendations for the FBC**
  - KCE NY 6: 20.0 MW
  - Baron Winds – Phase 1: 121.8 MW

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# Recommended for Inclusion

| Q. Position | Project Name | Fuel | Zone | SP (MW) | WP (MW) | NYISO Recommendation | Notes |
|---|---|---|---|---|---|---|---|
| **422** | Eight Point Wind Energy Center | Wind | C | 101.8 | 101.8 | Include in FBC | Included in PBC |
| **505** | Ball Hill Wind | Wind | A | 100.0 | 100.0 | Include in FBC | Included in PBC |
| **531** | Number 3 Wind Energy | Wind | E | 103.9 | 103.9 | Include in FBC | Included in PBC |
| **579** | Bluestone Wind | Wind | E | 111.8 | 111.8 | Include in FBC | Included in PBC |
| **638** | Pattersonville | Solar | F | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **678** | Calverton Solar Energy Center | Solar | K | 22.9 | 22.9 | Include in FBC | Included in PBC |
| **682** | Grissom Solar | Solar | F | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **730** | Darby Solar | Solar | F | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **735** | ELP Stillwater Solar | Solar | F | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **748** | Regan Solar | Solar | F | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **768** | Janis Solar | Solar | C | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **775** | Puckett Solar | Solar | C | 20.0 | 20.0 | Include in FBC | Included in PBC |
| **NA** | King's Plaza | Natural Gas | J | 6.0 | 6.0 | Include in FBC | Included in PBC |
| **759** | KCE NY 6 | Energy Storage | A | 20.0 | 20.0 | Include in FBC | New Inclusion for FBC |
| **396** | Baron Winds (Phase 1) | Wind | C | 121.8 | 121.8 | Include in FBC | New Inclusion for FBC |

*Baron Winds – Only Phase 1 anticipated to meet criteria

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# New Inclusions

- **KCE NY 6**
  - 20 MW Energy Storage facility located outside of Buffalo in Zone A
  - Will be modeled using TC4C methodology
    - 20 MW maximum output, with 40 MWh storage limitation (2–hour duration limit)
    - Output window limitation implemented before 12 pm
- **Baron Winds (Phase 1)**
  - 234 MW Wind facility located in Steuben County in Zone C
  - Will be completed in 2 phases
  - Phase 1 (121.8 MW) is anticipated to meet all screening criteria
    - Phase 2 (113.2 MW) expected to be in service December 2023 - will not be included in the Final Base Case

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# Next Steps

- After recommendations are reviewed and acted upon by the ICS, the 2023-2024 IRM Final Base Case will be updated consistent with the ICS determination

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# Questions?

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# Our Mission & Vision

## Mission

Ensure power system reliability and competitive markets for New York in a clean energy future

## Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

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