NYSSIR Redline/Updates

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Central Hudson Gas & Electric

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Commencement of Application Timeline

Section I-A, page 7

- Fees paid by wire transfer shall be deemed received on the day of the transfer, whereas; fees paid by check shall be deemed received on the day the check clears.

VS

Inactive Application Notification

Section I-B, Step 3, page 10

- If the final acceptance is not completed within twelve (12) months of the contract execution the applicant will be notified by mail or via email that the applicant's project will be removed from the utility's interconnection inventory if the applicant does not respond within thirty (30) Business Days and provide a project status update and/or justification as to why the project should remain in the utility's interconnection inventory for an additional period of time.

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Net Meter Request Requirements

Section I-B, Step 4, page 11

- DER installation must be completed and inspected prior to requesting the net meter install.

CESIR Cost Estimate and Payment

Section I-C, Step 4, page 15-17

- If the Preliminary Screening Analysis or Supplemental Screening Analysis outcome is to proceed with a CESIR, the CESIR cost estimate can be provided with the screening results.
- The applicant will then have (10) Business Days to notify the utility with how they will proceed or shall be removed from the queue.
- If applicant elects to proceed to full CESIR, the applicant shall have ten (10) Business Days to generate the invoice in PowerClerk and make payment or shall be removed from the queue.
- If applicant elects to proceed to a Results Meeting after screening, and the outcome is to proceed with a CESIR, the applicant shall have ten (10) Business Days after the meeting to generate the invoice in PowerClerk and make payment or shall be removed from the queue.

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CESIR Design Package

Section I-C, Step 5, page 17

- Updated interconnection design package (Appendix F), if there have been any changes to the documents submitted by the applicant with the initial application.
- The utility may require certain electrical studies prior to the utility commencing the CESIR.
- The utility may require a three-line diagram for designs proposed on three-phase systems to include detailed information on the wiring configuration at the PCC.

Three-Line Diagram & Site-Specific Testing Procedures

Section I-C, Step 7, page 21

- Applications subject to 25% and 75% payments – Provide within (30) Business Days of making 25% payment
- Applications that do not require system modifications – Provide within (30) Business Days of executing the interconnection contract
- Applications subject to a single 100% payment – Provide within (30) Business Days of making 100% payment

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Supplemental Screening Analysis

Appendix G, Screen H: Voltage Flicker Test, pages 82-83

$$\Delta V = \left(\frac{d}{dp_{st=1}}\right) * F \leq 0.35 \text{ and } d = \left(\frac{R_L \times \Delta P + X_L * \Delta Q}{V^2}\right)$$

$$\text{When: } \frac{X_L}{R_L} < 5$$

OR

$$\Delta V = \left(\frac{d}{dp_{st=1}}\right) * F \leq 0.35 \text{ and } d = \left(\frac{\Delta V}{V}\right) \approx \left(\frac{\Delta S}{S}\right)$$

$$\text{When: } \frac{X_L}{R_L} < 5$$

Whereby:

$$PV = \left(\frac{F}{dp_{st=1}}\right) = \frac{2.0}{2.56\%} = 7.8$$

Explanation of Variables & Acronyms

d *= the relative voltage change caused by the DER at the PCC*
dpst *= 1 (curve value) is the relative voltage change that yields a Pst value of unity when voltage fluctuations are rectangular*
Pst *= the short-term flicker emission limit for the customer installation (typically based on 10-minute time frame)*
XL *= the line reactance in ohms*
RL *= the line resistance in ohms*
Isc *= the maximum available 3-phase fault current at the PCC in amperes*
Ssc *= the maximum available fault apparent power at the PCC*
ΔS *= the change in apparent power in volt amperes*
ΔP *= the change in real power in watts of the DG*
ΔQ *= the change in reactive power in vars of the DG*
V *= the nominal line to line voltage*
ΔV *= the change in voltage at the PCC*
F *= the shape factor related to the shape of the expected voltage fluctuation*
PV *= Plant Availability*

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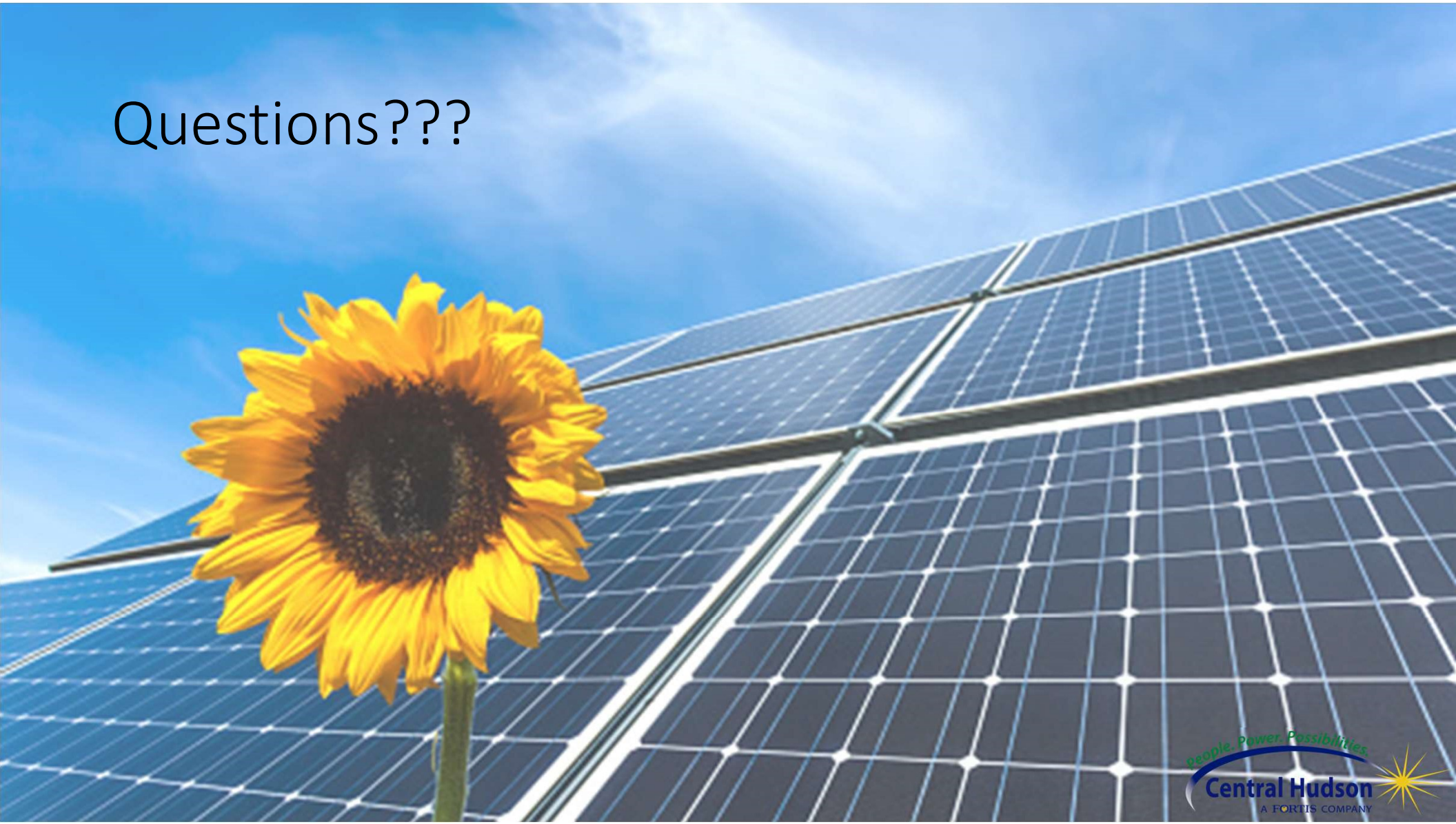
Questions???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