Interconnection Process Initiatives

October 17, 2016
Trend of Project Completions 2010-August 2016

Number of Projects Approved and Placed in Service (2010-Aug 2016)

- RGE
- ORU
- NYSEG
- NG
- CHGE
- CENY

Growth Trend
New York State

SIR Inventory Queue: Number of Projects (PV Only) by kW Range as of August 2016

<table>
<thead>
<tr>
<th>kW Range</th>
<th>Company</th>
<th>0-50</th>
<th>50-300</th>
<th>300-1000</th>
<th>1000-2000</th>
<th>2000-5000</th>
<th>Total Projects</th>
<th>Total kW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>National Grid</td>
<td>1,892</td>
<td>163</td>
<td>74</td>
<td>656</td>
<td>-</td>
<td>2,785</td>
<td>1,381,740</td>
</tr>
<tr>
<td></td>
<td>Con Edison</td>
<td>2,114</td>
<td>83</td>
<td>35</td>
<td>5</td>
<td>-</td>
<td>2,237</td>
<td>52,076</td>
</tr>
<tr>
<td></td>
<td>Central Hudson</td>
<td>582</td>
<td>15</td>
<td>11</td>
<td>363</td>
<td>-</td>
<td>971</td>
<td>732,698</td>
</tr>
<tr>
<td></td>
<td>Orange and Rockland</td>
<td>756</td>
<td>12</td>
<td>12</td>
<td>253</td>
<td>1</td>
<td>1,034</td>
<td>518,030</td>
</tr>
<tr>
<td></td>
<td>NYSEG</td>
<td>423</td>
<td>54</td>
<td>26</td>
<td>488</td>
<td>-</td>
<td>991</td>
<td>993,360</td>
</tr>
<tr>
<td></td>
<td>RGE</td>
<td>76</td>
<td>9</td>
<td>5</td>
<td>36</td>
<td>-</td>
<td>126</td>
<td>74,992</td>
</tr>
<tr>
<td></td>
<td>PSEG</td>
<td>720</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>721</td>
<td>4,764</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>6,563</td>
<td>337</td>
<td>163</td>
<td>1,801</td>
<td>1</td>
<td>8,865</td>
<td>3,757,660</td>
</tr>
</tbody>
</table>

- Significant DG uptake in 2015 and first half of 2016
- Large projects driven by remote net metering, introduction of community DG, and changes to NM crediting
- Volume and incoming rate of large DG applications have challenged utility processes, but the CESIR study backlog was largely resolved by July 2016
## Weekly Utility CESIR Data:

**Date (Monday of each week): 9/12/2016**

<table>
<thead>
<tr>
<th>Utility</th>
<th>Projects w/ CESIR Required, Not Paid</th>
<th>Projects w/ CESIR Required, Paid/Started</th>
<th>Projects w/ CESIR Required, Paid/On Hold</th>
<th>Overdue CESIR's Paid For (60 business Days)</th>
<th>CESIR's Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>NYSEG</td>
<td>252</td>
<td>37</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>RGE</td>
<td>5</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>N Grid</td>
<td>548</td>
<td>30</td>
<td>11</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>CHGE</td>
<td>342</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ORU</td>
<td>259</td>
<td>202</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Con Ed</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PSEG-LI</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>1413</strong></td>
<td><strong>293</strong></td>
<td><strong>11</strong></td>
<td><strong>0</strong></td>
<td><strong>5</strong></td>
</tr>
</tbody>
</table>
Interconnection Technical Working Group

• Goal: identify, discuss, and resolve technical barriers and challenges affecting the interconnection of distributed generation.
• Includes representatives from State Agencies, Utilities, and DG developers
• Technical consultant (NREL) to assist evaluation process and technical document development
• Initial Topics: Substation Backfeeding / Anti-Islanding Protections / Control & Monitoring
• Current focus is on role of DTT – see September 27, 2016 meeting materials
• These and more information on ITWG at http://www3.dps.ny.gov/W/PSCWeb.nsf/All/DEF2BF0A236B946F85257F71006AC98E?OpenDocument
## State Interconnection Ombudsmen

### ACTIONS

- Increase transparency of queue information
- Deploy technical support consultant to work on resolving “hot” issues with individual projects
- Identify known areas with DG constraints and develop maps showing these areas
- Assist DG developers with complaints, questions, or delays
- Assist DG developers, primarily in solar PV, better understand the process and time line for interconnection on the electrical system per the State’s Standardized Interconnection Requirements (SIR)
- Clear inactive projects (hundreds to date)
- Develop and implement interconnection queue management proposal

### STATUS

- Accomplished
- Accomplished
- Accomplished
- Ongoing
- Ongoing
- In progress
Interconnection Policy Working Group

• Goal: develop consensus based solutions and recommendations on policy issues related to the interconnection of DG
• Includes representatives from utilities, DG developers, trade associations, non-governmental organizations, and customer representatives
• First task: develop a queue management proposal
  – Developer participants and utilities have reached agreement on how to manage the backlog of applications
  – Proposal includes an interim cost sharing methodology
• Monetary Remote Net Metering Grandfathering
  – IPWG developed a proposal to extend in-service deadline for certain projects
  – This was filed at the Commission by a subgroup of the solar industry participants on September 23
Interconnection Online Application Portal (IOAP) Efforts

- State has retained EPRI to support effort to streamline aspects of the interconnection process
- EPRI is now developing a functional specification for an Interconnection Online Application Portal based on existing Gap Analysis, software vendor capabilities and REV/DSIP Orders
- DPS Staff / Utilities / NYSERDA working to determine priority and goals for the IOAP
- Individual IOAP implementation plans submitted by utilities in June DSIP filings
- Joint Utilities implementation plans due with the Supplemental DSIP filings in November
DPS/NYSERDA Interconnection Team

Interconnection Technical Working Group Issues:

Jason Pause (DPS)  
518-486-2889  
jason.pause@dps.ny.gov

Dave Crudele (NYSERDA)  
518-862-1090  
dave.crudele@nyserda.ny.gov

Interconnection Ombudsperson(s) & Policy Working Group Issues:

Elizabeth Grisaru (DPS)  
518-486-2653  
elizabeth.grisaru@dps.ny.gov

Houtan Moaveni (NYSERDA)  
718 744-4106  
houtan.moaveni@nyserda.ny.gov