<table>
<thead>
<tr>
<th>Utility</th>
<th>Program</th>
<th>Objectives of Program/Rate Design</th>
<th>Description of Rate Design</th>
<th>Delivery</th>
<th>Supply</th>
<th>Program Details</th>
<th>Timing/Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Hudson</td>
<td>Alternative VTOU Rate</td>
<td>• Restructured rate to increase TOU participation.</td>
<td>• 5-hour week day on peak period;</td>
<td>X</td>
<td>X</td>
<td>• Opt-in.</td>
<td>• Pending; anticipating Fall 2017 implementation.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Increased customer control over electric bills.</td>
<td>• Time differentiated delivery and supply rates;</td>
<td></td>
<td></td>
<td>• Available across service territory.</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>• Gauge impact of education and outreach.</td>
<td>• Summer capability capacity concentrated into on-peak period for three months;</td>
<td></td>
<td></td>
<td>• Initial filing made 5/1/2017 in Case 14-M-0101.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>all remaining capacity costs recovered over remaining 9 months</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smart Home Rate</td>
<td>• Combination of TOU rates, technology and targeted outreach will result in peak hour usage</td>
<td>• Same as Alternative VTOU Rate</td>
<td>X</td>
<td>X</td>
<td>• Opt-in.</td>
<td>• Pending; anticipating Fall 2017 implementation.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>below comparable TOU and standard rates.</td>
<td></td>
<td></td>
<td></td>
<td>• Concentrated deployment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Cost effectiveness to be compared to Targeted Demand Response Program.</td>
<td></td>
<td></td>
<td></td>
<td>• Initial filing made 2/1/2017 in Case 14-M-0101.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Residential Service Size Charge</td>
<td>• Recover demand-related delivery costs through a demand-like charge.</td>
<td></td>
<td>X</td>
<td></td>
<td>• Applicable across residential class.</td>
<td>• Pending in rate case.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Additional monthly charge applicable based on a customer’s annual usage level.</td>
<td></td>
<td></td>
<td></td>
<td>• Phased-in by setting initial upper limit of first threshold slightly above</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>• Initial filing made 7/28/2017 in Case 17-E-0459.</td>
<td></td>
<td></td>
<td>annual class average usage.</td>
<td></td>
</tr>
<tr>
<td>Con Edison/ O&amp;R</td>
<td>AMI Rate Pilot</td>
<td>• Gauge customer acceptance and response to alternative pricing</td>
<td>• Time-differentiated demand charges</td>
<td>X</td>
<td>X</td>
<td>• Opt-in and Opt-out recruitment</td>
<td>In development. Billing under pilot rates expected Fall 2018.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Estimate customer benefits</td>
<td></td>
<td></td>
<td></td>
<td>• Initial filing made 7/29/2016 in Cases 14-M-0101, 15-E-0050, and 16-E-0060</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Inform future mass market rate reform</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
Joint Utilities’ Residential Electric Rate Initiatives

| Con Edison/O&R | Smart Home Rate Demo | • Sophisticated rates that accurately reflect cost causation in a technology agnostic manner  
|                |                      | • Form partnerships to provide customers with implementable, understandable technology choices for price-responsive home automation technologies  
|                |                      | • Implement a pilot test to collect empirical data about participant responses and answer key research questions  
|                |                      | Option A  
|                |                      | • Fixed customer charge  
|                |                      | • Daily delivery demand charge  
|                |                      | • Demand-based event charges  
|                |                      | • Hourly supply  
|                |                      | Option B  
|                |                      | • Fixed customer charge  
|                |                      | • Delivery subscription service  
|                |                      | • Demand-based overage charges during events  
|                |                      | • Hourly supply  
| National Grid | Smart Home Rate Demo | Offer voice recognition technology that will enable customers to control appliances in their home via use of a phone app or voice activated technology during times when electricity prices are high in order to reduce demand at their homes and create energy savings. This technology will be offered to participants in the Clifton Park Demo who enroll in the Company’s residential VTOU rate  
|                |                      | • Residential VTOU rate coupled with voice recognition technology  
|                |                      | • Adds technology incentive to Clifton Park Demo/VTOU rate: voice recognition device/software paired with smart thermostat  
|                |                      | • Demo was approved by NYPSC Staff on June 6, 2017; a Revised implementation plan will be filed following issuance of Link to Case

## Joint Utilities’ Residential Electric Rate Initiatives

| **National Grid** | **NMPC 2017 Rate Case - AMI Illustrative rate design** | **Company provided an illustrative residential time variant pricing (TVP) rate design following roll out of proposed territory wide AMI implementation** | **TOU Supply: On-peak (7am – 11pm) supply rate and off-peak (11pm-7am); CPP rate: Capacity charges recovered during CPP events, avoided if customers shift or reduce load** | **X** | **• Illustrative example to identify potential benefits of AMI installation; Tariff leaves not filed.**  
**• See Company’s NMPC rate case filing in Case 17-E-0238 on PSC website** | **Company proposed AMI installation to begin in rate year ending March 31, 2021** |
| **National Grid** | **Community Resiliency REV Demo (i.e., Potsdam Demo)** | **Design new rate for Potsdam microgrid with proposed new utility microgrid services** | **• Rate design is TBD**  
**• Localized recovery of utility assets (distribution)**  
**• Changes in aggregation of generation and/or load related to standby charges** | **X** | **• Opt-In for connected customers**  
**• Opt-out for tiered-recovery customers**  
**• Unique tiered recovery of asset as kW/kWh “microgrid rate”**  
**• Possible other utility services as flat fee (controller/settlement fee)** | **Plan to be finalized by Q2 2018** |
| **NYSEG/RG&E** | **TOU Rate Pilot** | **• Measure customer adoption and impacts of time-varying rates on system efficiency**  
**• Empower customers with more ability to influence their bill**  
**• Help inform Company for future rate design – data needs, communication, etc.** | **• Time-differentiated delivery charges (per kWh for residential, small C/I; per kW for large C/I)**  
**• Supply charges based on hourly day-ahead NYISO prices** | **X** | **X** | **• Smart meters currently being installed for approximately 12,000 customers (approx. 85% residential) in Tompkins**  
**• Tariffs filed 6/29/2017 for PSC approval**  
**1/1/2018 proposed effective date** |
| NYSEG/RG&E | AMI Full-Scale Deployment | Petition filed 12/20/2016 requesting authorization to implement full-scale AMI at all four businesses | County/Ithaca, NY area for which TOU rate options will be available  
- Opt-in  
| NYSEG/RG&E | Smart Home Rate Demo | Test and leverage EV charging as a service to maximize flexible load for customers and network. | Differentiated pricing in which pricing decreases with delay of charge. Public and private charging. | X | In collaboration with Cornell University thorough an NSF grant. Located in In development. File Implementation Plan Q4 2017. Offering expected |
Joint Utilities’ Residential Electric Rate Initiatives

Tompkins County/Ithaca, NY area.


  to be available Q2 2018.