

Joint Utilities' Residential Electric Rate Initiatives

Utility	Program	Objectives of Program/Rate Design	Description of Rate Design	Delivery	Supply	Program Details	Timing/Status
Central Hudson	Alternative VTOU Rate	<ul style="list-style-type: none"> Restructured rate to increase TOU participation. Increased customer control over electric bills. Gauge impact of education and outreach. 	<ul style="list-style-type: none"> 5-hour week day on peak period; Time differentiated delivery and supply rates; Summer capability capacity concentrated into on-peak period for three months; all remaining capacity costs recovered over remaining 9 months 	X	X	<ul style="list-style-type: none"> Opt-in. Available across service territory. Initial filing made 5/1/2017 in Case 14-M-0101. 	<ul style="list-style-type: none"> Pending; anticipating Fall 2017 implementation.
Central Hudson	Smart Home Rate	<ul style="list-style-type: none"> Combination of TOU rates, technology and targeted outreach will result in peak hour usage below comparable TOU and standard rates. Cost effectiveness to be compared to Targeted Demand Response Program. 	<ul style="list-style-type: none"> Same as Alternative VTOU Rate 	X	X	<ul style="list-style-type: none"> Opt-in. Concentrated deployment. Initial filing made 2/1/2017 in Case 14-M-0101. 	<ul style="list-style-type: none"> Pending; anticipating Fall 2017 implementation.
Central Hudson	Residential Service Size Charge	<ul style="list-style-type: none"> Recover demand-related delivery costs through a demand-like charge. 	<ul style="list-style-type: none"> Additional monthly charge applicable based on a customer's annual usage level. 	X		<ul style="list-style-type: none"> Applicable across residential class. Phased-in by setting initial upper limit of first threshold slightly above annual class average usage. Initial filing made 7/28/2017 in Case 17-E-0459. 	<ul style="list-style-type: none"> Pending in rate case.
Con Edison/ O&R	AMI Rate Pilot	<ul style="list-style-type: none"> Gauge customer acceptance and response to alternative pricing Estimate customer benefits Inform future mass market rate reform 	<ul style="list-style-type: none"> Time-differentiated demand charges 	X	X	<ul style="list-style-type: none"> Opt-in and Opt-out recruitment Initial filing made 7/29/2016 in Cases 14-M-0101, 15-E-0050, and 16-E-0060 <p style="text-align: right;">Link to Case</p>	In development. Billing under pilot rates expected Fall 2018.

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			<ul style="list-style-type: none"> Subscription Service 	X			
Con Edison/ O&R	Smart Home Rate Demo	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Fixed customer charge Daily delivery demand charge Demand-based event charges Hourly supply 	X	X	<ul style="list-style-type: none"> Opt-in recruitment. Two tracks: <ul style="list-style-type: none"> Track 1 – Systems that actively manage homes' central A/C and other loads Track 2 – Home battery storage systems paired with solar Initial filing made 2/1/2017 in PSC Case No. 14-M-0101 <p style="text-align: center;">Link to Case</p>	In development. Billing under pilot rates expected Spring 2019.
			Option B <ul style="list-style-type: none"> Fixed customer charge Delivery subscription service Demand-based overage charges during events Hourly supply 	X	X		
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	<ul style="list-style-type: none"> Residential VTOU rate coupled with voice recognition technology 	X	X	<ul style="list-style-type: none"> Adds technology incentive to Clifton Park Demo/VTOU rate: voice recognition device/software paired with smart thermostat 	<ul style="list-style-type: none"> Demo was approved by NYPSC Staff on June 6, 2017; a Revised implementation plan will be filed following issuance of

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							Staff's Assessment report (TBD)
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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Rate design is TBD • Localized recovery of utility assets (distribution) • Changes in aggregation of generation and/or load related to standby charges 	X		<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Smart meters currently being installed for approximately 12,000 customers (approx. 85% residential) in Tompkins 	<ul style="list-style-type: none"> • Tariffs filed 6/29/2017 for PSC approval • 1/1/2018 proposed effective date

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						<p>County/Ithaca, NY area for which TOU rate options will be available</p> <ul style="list-style-type: none"> • Opt-in • PSC Case 17-E-0370. For further information see: http://document.s.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterCaseNo=17-e-0370&submit=Search 	
NYSEG/RG&E	AMI Full-Scale Deployment	Petition filed 12/20/2016 requesting authorization to implement full-scale AMI at all four businesses				<ul style="list-style-type: none"> • Provides, among other things, basis for offering future time-varying rates • PSC cases 17-E-0058, 17-G-0059. For further information see: http://document.s.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterCaseNo=17-e-0058&submit=Search 	Collaborative process. Parties to meet by 9/30/2017 to determine further schedule.
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	X	<ul style="list-style-type: none"> • In collaboration with Cornell University through an NSF grant. Located in 	In development. File Implementation Plan Q4 2017. Offering expected

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						<p>Tompkins County/Ithaca, NY area.</p> <ul style="list-style-type: none"> Initial filing made 2/1/2017 in PSC case 14-M-0101. For further information see: http://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterCaseNo=14-m-0101&submit=Search 	to be available Q2 2018.