RTP and Dynamic Rates in Other Jurisdictions

CPUC Workshop on Dynamic and Real-Time Pricing

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RTP in Illinois

- RTP available to all ComEd and Ameren customers
- 42,000 res and small C&I customers enrolled
- ComEd bills assessed based on hourly average of 5-minute market prices; Ameren uses day-ahead hourly prices
- ComEd customers can also sign up for AC cycling or automation through IFTTT platform
- Day-ahead and day of (ComEd) alerts can be sent by phone, text, or email; prices also available via app
C&I RTP in Georgia

• Day ahead pricing available for C&I customers ≥ 250 kW
• Hour ahead pricing for customers ≥ 5 MW
• Approximately 2,300 participants representing 20% of retail revenues
• Customers may reduce exposure by contracting for fixed prices for historic load shape
SmartHours-VPP in OK and AR

- Smart Hours program from OG&E for res and small C&I customers has set weekday peak period (2pm – 7pm)
- Peak periods prices set day-ahead at one of four levels ranging from 5 to 41 cents
- Alerts sent by phone, text or email
- Participants can also automate response with SmartTemp thermostats
- Approx 20% residential enrollment, saving avg of $150 per year
# SmartHours Res Load Reductions

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<tr>
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<th>High Price</th>
<th>Critical Price</th>
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<tbody>
<tr>
<td>VPP+ (w/ SmartTemp)</td>
<td>0.77 kW</td>
<td>1.41 kW</td>
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<tr>
<td>VPP rates only</td>
<td>0.06 kW</td>
<td>0.37 kW</td>
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Other examples

- Large C&I on mandatory RTP in New York since 2006
- RTP became in the default rate for residential customers in Spain in 2014, approximately 40% currently enrolled
- Griddy Energy and other companies give customers direct access to the wholesale market for a monthly fee