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<th><strong>Docket Number:</strong></th>
<th>17-IEPR-12</th>
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<td><strong>Document Title:</strong></td>
<td>IEPR Workshop on Barriers to DR</td>
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<tr>
<td><strong>Description:</strong></td>
<td>8.8.17 Presentation by Mona Tierney-Lloyd of EnerNOC</td>
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<tr>
<td><strong>Filer:</strong></td>
<td>Raquel Kravitz</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<td>Commission Staff</td>
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IEPR Workshop on Barriers to DR

CEC

August 8, 2017
How Are We Doing in Terms of Reaching DR Goals?

DR Participation is Declining

PG&E DR Programs by Year

SCE DR Programs by Year

Data from December Monthly IOU Reports, for August Ex-Ante
## DRAM

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<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<tr>
<td>PG&amp;E</td>
<td>20</td>
<td>56</td>
<td>80</td>
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<td>SCE</td>
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<td>SDG&amp;E</td>
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<td>6</td>
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<td>TOTAL</td>
<td>42</td>
<td>118</td>
<td>183</td>
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What Barriers are Inhibiting Expansion of DR?

What do we want DR to do?

- Uncertain Market Structure/Frequent Rule Changes
  - Failure to incorporate DR into planning
  - Integration into CAISO; Devaluation of Load Modifying Resources (LMR)
    - Elimination of DR Programs while DRAM is a pilot, uncertain growth opportunity
    - Complexities of integration (rules)
  - Significant regulatory burden and complexity
  - Inconsistencies between CAISO and CPUC rules
  - Program requirements and valuation
  - Frequent changes in DR program requirements
    - Notification times; local dispatch; # of dispatches
  - Significant penalties
Where Should We Focus Our Efforts Near Term?

- DRAM
  - Program Review and Improvements (Transparency of products)
  - Path to growth
- Data Access
- Baselines
- Resolve local RA requirements
- Better coordination between CPUC and CAISO
- Competitive parity
What are the Significant Issues We Face in 5-10 Years?

- Changing Grid Needs
  - Defining services, value and monetization (market signals)
- DER Integration (transmission and distribution)
  - Combinations of DERs (RA value)
- Procurement (Where will DR resources be procured?)
- CCAs
- Residential participation
  - Scale
  - Ease (data access)
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