Role of CA Utility Programs in addressing MELS

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OVERVIEW

- Growing realization for utilities on the impact of miscellaneous electric loads (MELS) in buildings
- Lot of ongoing data collection activities in support of products, programs and services for addressing MELS
- Data collection activities primarily happens in the:
  - Emerging Technologies Programs
  - Codes and Standards Programs
- These activities support 3 deployment channels
  - Upstream/Midstream - working with manufacturers and retailers
  - Downstream – direct to consumer
  - Policy – Codes and Standards development
Recent activities have focused on efforts via ET and transitioning to our Residential Program and one in our Commercial Program

Residential:

- Tier 2 Advanced Power Strips (APS) for AV equipment
  - Automatically eliminate standby power loads in residential home audio visual (AV) entertainment systems, for devices such as TVs, DVD players, game consoles, stereo systems, and AV receivers. APS Tier 2 addresses both active and standby power of the AV system
  - Lab and field study (~ 100 homes) done by SDG&E and PG&E
Residential (continued):

- Retail Plug Load Portfolio/Program (RPP)
  - Working with retailers and distributors to stock more energy efficient plug load devices like sounds bars, air filtration devices etc.
  - Program relies on a national coalition led by the EPA and working with Distributors to ensure more ready availability of Energy Star and other advanced performance devices.

*Image Source: Google images*
Commercial:

- Data collection via PG&E’s Step Up Power Down Program’s Energy Practices Inventory (EPI) for Large Commercial and SMB customers
Codes and Standards

Codes and Standard activities typically focus on data collection. Ongoing projects include

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<thead>
<tr>
<th>Study</th>
<th>Purpose</th>
<th>Status</th>
<th>Posted here when complete</th>
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<tbody>
<tr>
<td>Standby testing for plug load equipment</td>
<td>Data to be used for CASE study development</td>
<td>Ongoing</td>
<td>CEC Website</td>
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<tr>
<td>1000 home field study</td>
<td>Determine the most common uses and average per home</td>
<td>Audits completed Summer 2016 Metering ongoing</td>
<td>Summary Report posted on CEC Website</td>
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<tr>
<td>CASE study for ZNE home</td>
<td>Data to be used for 2019 Title 24</td>
<td>2016 Kick-off</td>
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