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<th><strong>Docket Number:</strong></th>
<th>17-IEPR-08</th>
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<tr>
<td><strong>Project Title:</strong></td>
<td>Barriers Study Implementation</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentation - Plug Load Efficiency Opportunities for Low-Income Households</td>
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<tr>
<td><strong>Description:</strong></td>
<td>8.1.17 Presentation by Robert Ridgley of CEC</td>
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<td><strong>Filer:</strong></td>
<td>Raquel Kravitz</td>
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<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
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Plug Load Efficiency Opportunities for Low-Income Households

2017 IEPR Joint Agency Workshop on Senate Bill 350 Low-Income Barriers Study Implementation

Panel Discussion
August 1, 2017
Plug Load Efficiency Opportunities for Low-Income Households

Robert Ridgley, California Energy Commission, Moderator

Expert Panel

- Anne Arquit Niederberger, Enervee
- Lisa Schmidt, Home Energy Analytics
- Joy Pixley, UC Irvine California Plug Load Research Center
- Marti Frank, Energy for Everyone
Low-Income Barriers Study
Principal Recommendation 5e
Plug Loads

- Collaboration among all program delivery agencies
- Establish common metrics
- Collect and use data systematically across programs
- Increase performance of existing and new programs

Ensure low-income persons have product selection options and information necessary to avoid driving up their plug-load energy use, recognizing that low-cost appliance and consumer products are commonly less energy-efficient than other appliances and projects.
Appliances and Plug Loads: Issues to Consider

- Appliances characteristics
- Low-income household purchasing habits
- Program design to target low-income households
- New program design v. ENERGY STAR®
Appliances and Plug Loads: Issues to Consider
(Continued)

• Plug-loads are large portion of a low-income household’s electricity needs
• Tend to buy lowest cost products regardless of efficiency
• Information on energy efficiency and energy costs/savings not easily accessible
Panelists: How to Expand Plug Load Efficiency to Low-Income Households

• What unique barriers exist today for program participation?
• How can data on low-income household energy use and buyer behavior be improved to better target program participants?
• How can incentives and information programs be improved to focus on low-income barriers?
• How can low-income households and building owners be empowered to make better product decisions to reduce energy use?