Discussion: Barriers and Initiatives to Address Barriers
• Explore barriers to the proposal
• Key Questions
  − 1. What are the reasons limiting use of harvesting technologies?
  − 2. Are there other technologies that could meet the challenge? What are the barriers?
  − 3. Are there specific applications that are more / less appropriate for use of harvesting technologies? Why? Currently / in future?
  − 4. ??
• Identify activities to address barriers

• Key Questions

  − 1. What is required to make technologies cost effective and acceptable for different applications?
  − 2. What R&D efforts are needed and where do they need to be focused?
  − 3. What is needed from governments / industry to overcome barriers?
Policy tools which may assist

<table>
<thead>
<tr>
<th>Barrier</th>
<th>Examples of Activities to Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability of technology</td>
<td>R&amp;D, R&amp;D subsidies, “Golden Carrot”</td>
</tr>
<tr>
<td>Awareness</td>
<td>Endorsement label, awards, qualified product list, promotion</td>
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<tr>
<td>Affordability</td>
<td>Incentives, rebates</td>
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</tbody>
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Next Steps

• Development of a plan & timeline
• Forum for endorsement by industry / governments
The Challenges to the Network Zero Challenge

• Identify and understand the key issues/barriers to going forward with the Network Zero Challenge.

• Explore the possible solutions to overcoming these barriers, including potential steps that governments can take to provide support.
Supporting Slides
Convergence of network standby energy and energy harvesting
Connected devices
Unit: Million

- Wide-Area IoT | Short-Range IoT | PC/Laptop/Tablet | Mobile phones | Fixed phones
Year: 2018 - 2024

Source: Ericsson (Nov 2018)
Success stories