Trade Policy Impact to Energy Efficiency

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ICT and Sustainable Growth

• Altair 8080 1975 – The 1976-77 Senior Project
• What Was the Power Supply Efficiency? 64.23%
• JTC1 (ISO/IEC) SC39 Chair – Sustainability of and by IT
  o Data Center KPI’s
  o IEC 30134 -1 (Structure), -2 (PUE), -3 (REF)
• USNC Chair IEC TC22H Power Electronics (UPS)
• The Green Grid - Global Harmonization - Chair
Global DC Regulatory and Standards Landscape

- Complex
- Common Frameworks Are Developing
- MEPS Drive MEPS Savings and Innovation
- Voluntary Program and PPP Successes
- Tools: DOE DCProfiler, EPA ENERGY STAR Rating Tool, TGG Data Center Maturity Model
Conclusions

• Policy and Innovation in Energy Efficiency Delivers Results
• International Standards Exist for Global Energy Efficiency Measurement (IEC 62623) and Metrics (IEC 30134-2)
• Voluntary Programs Allow for Consumer Choice and are Successful
  o OPEX versus CAPEX
  o SMB Business Choices
  o EPA ENERGY STAR Program and ENERGY STAR International Partners
  o Japan Top Runner Programme
  o US DOE Better Buildings Program
Contact Detail

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  o Global Policy.
  o Environment and Sustainability.
  o Public Sector.
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