Between the Building and the Grid
Mission Assurance, Renewables, and the Smart Grid

Chip Cotton
Program Manager, Energy R&D
General Electric, Global Research
Mission Assurance...

Energy security for the Department means having assured access to **reliable supplies** of energy and the ability to **protect** and **deliver sufficient** energy to meet operational needs
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Technology...
Putting the Technologies together...
Net Zero Energy Installations

Where you are
Where you can go
What paths you can take to get there
Commitments 2010-2015

- Double R&D to $10B
- Grow 2X of GE's growth
- Reduce GE's energy intensity by 50%
- Reduce water consumption 25%
- Inspire a competitive energy future

↓ 41%

↓ 37%

GE is committed to solve your and our energy and environmental challenges
Putting it together...