

Between the Building and the Grid

Mission Assurance, Renewables, and the Smart Grid

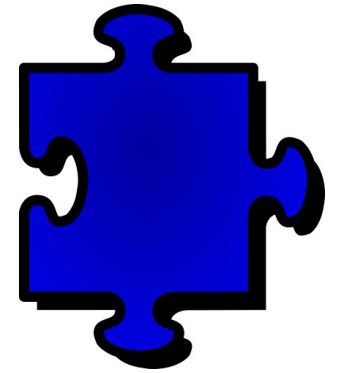
Chip Cotton
Program Manager, Energy R&D
General Electric, Global Research



imagination at work



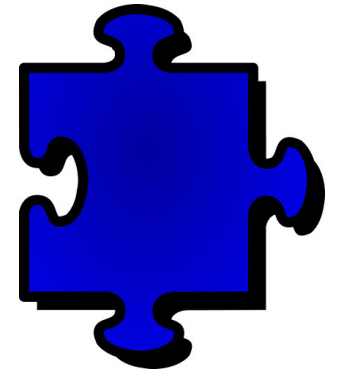
Mission Assurance...



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**



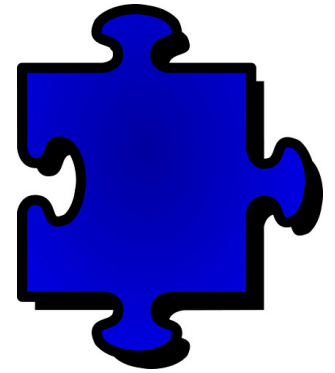
Mission Assurance...



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**



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**



Technology...



Strategy/Vision...



Net Zero Energy Installations

Where you are
Where you can go
What paths you can take to
get there



ecomagination



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

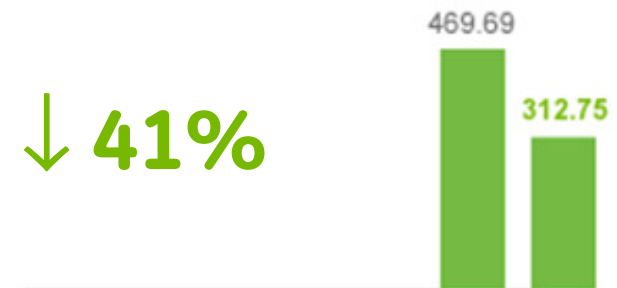
GE OPERATIONAL ENERGY INTENSITY

(MMBtu per

\$ million revenue)

2004

2008



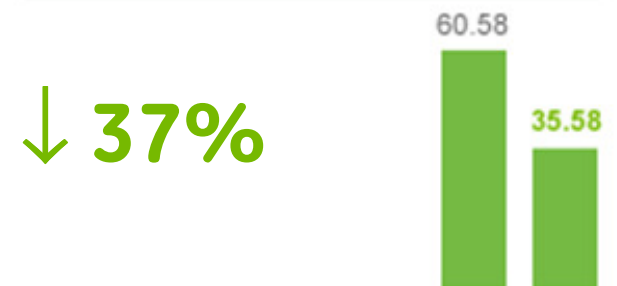
GE OPERATIONAL GHG INTENSITY

(Metric tons per

\$ million revenue)

2004

2008



GE is committed to solve your and our energy and environmental challenges



imagination at work

Putting it together...

