CSIS Water Panel

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GE Water & Process Technologies

April 15, 2010
GE Company Organization

• 5 businesses operating in more than 100 countries ... 125+ years
• Over 300,000 employees worldwide
• 2009 revenue: $157B

Energy

- Energy Services
- Oil & Gas
- Power & Water

Technology

- Aviation
- Healthcare
- Transportation

Infrastructure

- Americas
- Asia Pacific
- Aviation Fin. Services
- Consumer Finance
- EMEA
- Energy Fin. Services
- Real Estate

GE Capital

- Appliances & Lighting
- Intelligent Platforms

Home & Business Solutions

- Cable
- Film
- International Network
- Sports & Olympics

NBC Universal

imagination at work
Becoming the global water leader

Glegg  BetzDearborn  Osmonics  Ionics  ZENON

- Pure Water Solutions
- Water & Process Specialty Chemicals
- Equipment & Membranes
- Desalination & Reuse
- Mobile Water

- Hollow Fiber Technology
- MBR Technology
GE Water Global footprint

- HQ: Trevose, Pennsylvania
- 7,900 employees
- 130 countries
- 50,000 customers
- 50 global manufacturing sites

Strong global footprint with local expertise

Images denote major manufacturing facilities
Water scarcity & mega-cities converge in 2025

Over 65% of megacities will be in high or severe water stressed regions.
Reuse increasing from ~4% of WW treated to 22%

- US: 27% of global reuse capacity
  - FL will reuse 1B gal/day by ’10
  - AZ reuses 60% of wastewater

- 50% of global reuse plants in EMEA

- Israel, Jordan, Syria >70% reuse
  - Abu Dhabi … target 100% reuse

- Singapore: >20% of drinking water from reuse

- Australia: 13 years of drought + 18% population growth = huge reuse demand

Over 65% of megacities will be in high or severe water stressed regions.

Scarcity driving reuse
Thought leadership

- Global White Paper promoting greater reuse
- “A menu for policy makers”
- Downloaded >40,000 times

’09 Crotonville Reuse Summit
- 120 attendees
- 2-day program
- Government, Industry, Academia
- $1B opportunity
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<tr>
<th>Environmental performance</th>
<th>Operating performance</th>
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<tr>
<td>Double R&amp;D… $1.5 Billion</td>
<td>Grow Revenues… $25 Billion</td>
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<td>Reduce Emissions</td>
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<td>Reduce Water</td>
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Water risk index
2005 - 2010

1. **Double** R&D to $1.5B by ‘10
2. **Grow** revenues to $25B by ‘10
3. **Reduce** GHG emissions 1% by ‘12
4. **Reduce** water 20% by ‘12
5. **Inform** public

2010 - 2015

1. **Double** R&D to $10B
2. **Grow** 2X of GE’s growth
3. **Improve** energy efficiency by 50%
4. **Reduce** water 25%
5. **Inspire** a prosperous clean economy
Water Products

Chemicals
- MetClear Metals Removal
- Cooling GenGard
- DusTreat Road Dust Control

Equipment
- SWRO Desalination
- EDR (Electrodialysis Reversal)
- Advanced Membranes
- ZeeWeed/MBR
- ABMet (Advanced Biologic Metals Removal)
- EAF (Entrapped Air Flotation)
- PRO/Titan RO
- E-Cell MK3 (EDI)
- SAGD Produced Water Evaporator

Advanced Solution
- Waste to Value