

Climate-KIC Innovation Festival 2013

3M New Ventures, Young-jin Choi



About 3M

Our Five Market-Leading Business Groups



Industrial

From purification to aerospace –
changing how industry works



Safety & Graphics

From protecting people and information to
enhancing visual and design communication



Electronics & Energy

Enabling tomorrow's lifestyle today with power,
communications and electronics



Consumer

From simplifying life at home to
keeping you organized at work



Health Care

From preventing infections to making smiles brighter

- Sales: \$29.9 B
- Net income: \$4.4 B
- R&D investment \$1.6 B
- International sales \$19.4 B (65% of company total)
- Companies in 77 countries
- Sales in nearly 200 countries
- ~ 88,000 employees
- 200+ factories
- 55,000+ products
- 3,100+ patents issued in 2012
- 40,500+ issued and pending patents



We Address Sustainability Based on Strategic Imperatives

Imperatives and Means

3M Strategic Sustainability Imperatives

- **Environmental Protection:** Provide practical and effective solutions and products to address environmental challenges for ourselves and our customers.
- **Social Responsibility:** Engage key stakeholders in dialogue and take action to improve 3M's sustainability performance.
- **Economic Success:** Build lasting customer relationships by developing differentiated, practical and ingenious solutions to their sustainability challenges

Means to Address Sustainability

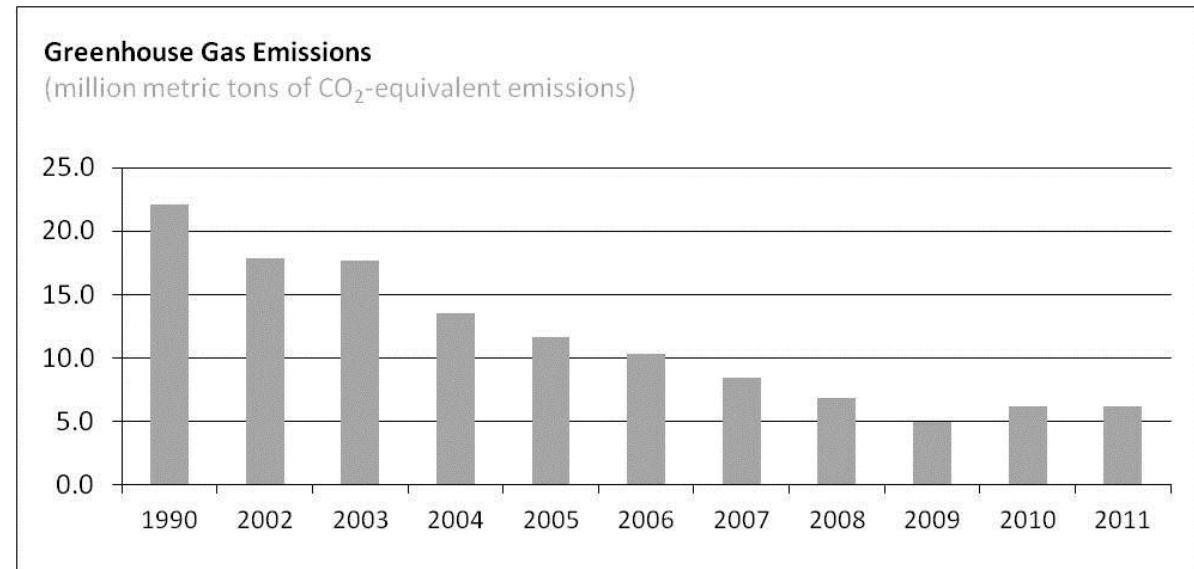
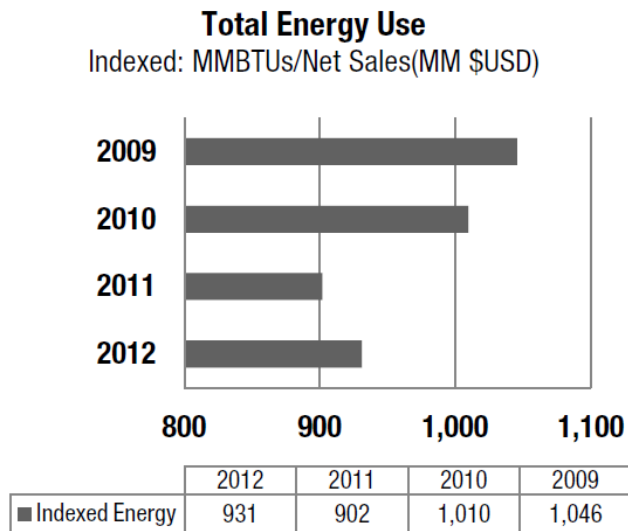
1. **Reducing our Environmental Footprint**
2. **Innovating and Commercializing Sustainable Products and Solutions**
3. **Investing in Sustainable Technology Ventures**



3M Internal Programs Make a Significant Contribution

1. Reducing our Environmental Footprint

- We have cut worldwide, absolute GHG emissions by 72% from 1990 – 2011
- From 2000 through 2012, 3M has reduced energy usage by 49% indexed to Net Sales.
- Our Pollution Prevention Pays initiative has resulted in the elimination of more than 3.8 billion pounds of pollution and saved us nearly \$1.7 billion since 1975



Our Products Solve our Customer's Sustainability Challenges

2. Innovating and Commercializing Sustainable Products and Solutions



3M™ Brightness Enhancement Film



3M™ Confirm™ Laminate with Floating Image



Scotch® Magic™ Tape



3M™ Aluminum Conductor Composite Reinforced



3M™ Cubitron II™ Abrasives



3M™ Scotchshield™ Film 17 Solar Panel backsheet



3M™ Prestige Series Solar Films



3M™ LED Light Bulb



Ecovative Design Could Turn Plastic Foam Obsolete



3. Investing in Sustainable Technology Ventures



100% biological and sustainable material with low energy footprint

Mycelium – Closing the gap between plastics and wood

Compostable protective packaging (e.g. Dell)

High value applications



7AC Technologies Could Revolutionize the HVAC industry



3. Investing in Sustainable Technology Ventures

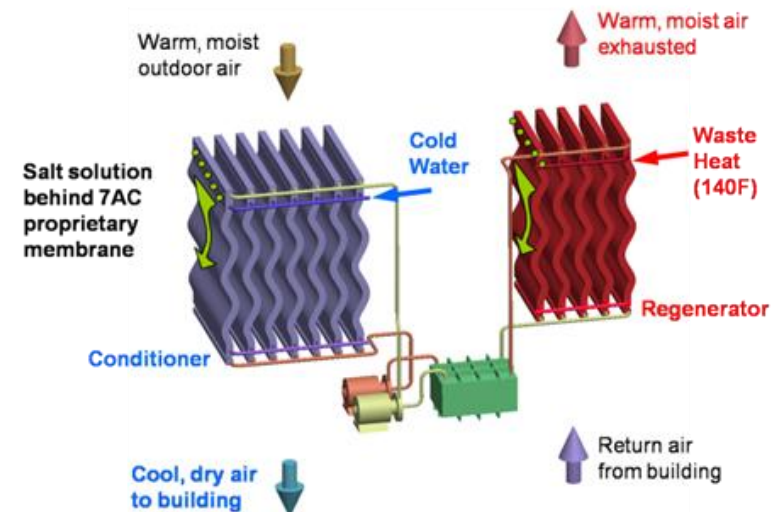


Membrane-based liquid desiccant HVAC system

Cools and dehumidifies air in one step

Replacement of rooftop units

Saves 45-75% of heating and cooling costs





Thank You

Our Products Solve our Customer's Sustainability Challenges

2. Innovating and Commercializing Sustainable Products and Solutions



Saves Energy

3M™ Brightness Enhancement Film



Enhanced Safety & Security

3M™ Confirm™ Laminate with Floating Image



VOC-free Manufacturing Process

Scotch® Magic™ Tape



Prevents Disturbance of Environmentally Sensitive Areas

3M™ Aluminum Conductor Composite Reinforced



Reduces Waste

3M™ Cubitron II™ Abrasives



Promotes Renewable Energy

3M™ Scotchshield™ Film 17 Solar Panel backsheet



Saves Energy

3M™ Prestige Series Solar Films



Saves Energy

3M™ LED Light Bulb

