Sustainability at 3M

Inventing Tomorrow
Sustaining Our Future
3M Company Profile

- Founded in 1902
- Headquarters: St. Paul, MN, USA

2011 Information
- Sales: $30 billion
- R&D and Related Expenditures: $1.57 billion
- Employees: 84,000

- 3M is one of 30 companies in the Dow Jones Industrial Average
Six Market Leading Businesses

Consumer and Office
Electro and Communications
Display and Graphics
Safety, Security, and Protection
Industrial and Transportation
Health Care

Providing more than 60,000 different products
3M is a Global Company

Sustainability Is a Global Objective
What is “Sustainability”? 

“Meeting the Needs of Society Today, While Respecting the Ability of Future Generations to Meet Their Needs”
3M’s Corporate Values

- Act with uncompromising honesty and integrity in everything we do
- Satisfy our customers with innovative technology and superior quality, value and service
- Provide our investors an attractive return through sustainable, global growth
- Respect our social and physical environment around the world
- Value and develop our employees' diverse talents, initiative and leadership
- Earn the admiration of all those associated with 3M worldwide
Our Vision

3M Technology Advancing Every Company
3M Products Enhancing Every Home
3M Innovation Improving Every Life
3M Strategic Sustainability Principles

- **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.
Sustainability is Part of Our DNA

- 3M’s Core Values
- Strong, Historic Leadership Support
- Corporate Culture
  - Innovation Encouraged & Initiative Rewarded
  - Every Employee is Responsible for Sustainability
  - Information Sharing & Collaboration
- Long History of Commitment
A Long-term Commitment

1930s
- Pension Plans & Disability Coverage
- 3M Foundation

1970
- 3M Safety & Environmental Management
- 3P: Pollution Prevention Pays

1990
- Environmental Targets
- Life Cycle Management

Today
- Environmental Solutions
“Pollution is … unused raw material. By reducing the amount of pollution, … [3M can] save money both on pollution control and on raw materials the next time around. It's a win-win situation.”

Dr. Ling launched 3M’s Pollution Prevention Pays program in 1975
Pollution Prevention Pays (3P)

3M’s History and Future

- 3M’s 3P program served as the foundation for governmental environmental policies/programs across the globe

- Environmental benefits can occur within 3M or for our customers & suppliers.

- Today 3P is a fundamental 3M philosophy

3M’s 3P Results

(aggregate first year savings)

- Over 3.5 billion pounds of pollution prevented
- Over $1.5 Billion saved
3P at Work: *Red Dot Resting Electrode Waste Reduction Project*

- A 3P project team from 3M’s Valley, Nebraska facility reduced the inherent waste by redesigning the electrode size.

- **The Team:**
  - Re-configured the electrodes on the card
  - Reduced silver and adhesive coating weight
  - Reduced the overall size of the electrode

- **The Results:**
  - First Year Savings = $917,763
  - First Year Pollution Prevented = 11.8 tons of waste

*RDR Electrodes are adhesive electrodes used in electrocardiogram (EKG) applications*
Product Life Cycle Management
3M’s Pathway to Product Sustainability

- 3M’s Life Cycle Management (LCM) process ensures our products address environmental, health and safety opportunities and risks throughout their life cycle.

- LCM is a component of 3M’s formal New Product Introduction Process.
Life Cycle Management at Work

Novec™ 1230 Fire Protection Fluid

- Next-generation halon alternative
- Superior performance in extinguishing efficiency, safety, and global warming impact
  - Zero ozone depletion potential
  - 5-day atmospheric lifetime
  - A global warming potential of 1 (compared to alternative with GWPs of 1300-12,000)

3M™ Novec™ 1230 has prevented more lbs of CO₂ equivalent emissions than 3M emitted in 2007
2015 Sustainability Goals

- **Environmental Stewardship**
  - Reduce Volatile Air Emissions
  - Reduce Waste
  - Conserve Energy
  - Reduce Greenhouse Gas Emissions
  - Water Conservation Management

- **Social Responsibility**
  - Engage Our Communities
  - Promote a Road to EHS Excellence at New 3M Sites

- **Economic Success**
  - Further Enhance Sustainability Attributes of New Products
  - Review Progress on Standard for Suppliers
# Addressing our Environmental Footprint

<table>
<thead>
<tr>
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<th>Progress to Date</th>
<th>Current Goal</th>
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<tbody>
<tr>
<td><strong>Waste</strong></td>
<td>68% reduction in waste indexed to net sales (1990-2011)</td>
<td>Reduce Waste indexed to net sales 10% (2010-2015)</td>
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<tr>
<td><strong>Volatile Air Emissions</strong></td>
<td>98% reduction in volatile organic air emissions indexed to net sales (1990-2011)</td>
<td>Reduce Volatile Air Emissions indexed to net sales 15% (2010-2015)</td>
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<tr>
<td><strong>Water</strong></td>
<td>40% reduction in water use indexed to net sales (2005-2011)</td>
<td>Develop Water Conservation Plans for 3M sites Located in Areas With Scarc or Stressed Water Resources</td>
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Environmental Solutions for Our Customers

www.3M.com/EnvSolutions

- 3M has hundreds of solutions to help customers
  - Reduce energy, air pollution, and waste;
  - Use more renewable resources;
  - Achieve green building certification;
  - Protect employee health & safety;
  - And more!

Post-it® 100% Recycled Notes in Cabinet Pack
3M™ PPS™ Paint Preparation System™
3M™ Mirror Film
Nomad™ Matting
3M™ High Efficiency Filtrete™ Filter
3M™ Window Film
3M™ Adhesives

www.3M.com/EnvSolutions
Fostering Sustainable Innovation

- Technical Forum – 65 years of Collaboration
- 15% Culture Initiative
- Focus on Employee Sustainability Education /Enrichment
- External Stakeholder Engagement
- Setting Aggressive Goals to Drive Progress: Increase Sales of New Products with Environmental Sustainability Attributes
Addressing Our Suppliers

- 3M’s Sourcing Policy that sets standards for its suppliers
  - Environmental
  - Health and Safety
  - Transportation
  - Labor and Human Resources

- Applies to the selection and retention of all suppliers worldwide

- Integrates assessment tools to assess key suppliers

- Our Goal: Review at least 80% of Supplier Spend in the following countries: China, India, Korea, Malaysia, Taiwan, Thailand, Brazil, Mexico, Russia, and Turkey by 2015
  - 2011 Results: 74% Reviewed
Corporate Social Responsibility

- Providing a safe and healthy work place
- Supporting continuous learning and knowledge sharing
- Ensuring ethical operations
- Partnering with governments, non-governmental organizations, communities to achieve sustainability
- Supporting communities where we operate
Investing in Our Communities

- Community Giving is decentralized with 3M subsidiaries in each country administering a program that reflects the local culture and needs
  - More than $65 million in products and cash donated across the globe.

- Example: the United States
  - Giving around education, health & human services, environment, and arts & culture

- Example: Brazil
  - Nearly $500,000 to Social Innovation Institute
  - Driving social development in Brazil
Recent Recognition as a Sustainability Leader

- 2005-2012 Energy Star Sustained Excellence Award for Eight consecutive years
- Interbrand ranked 3M's as #2 on its List of 2011 Best Global Green Brands
- 3M received one of the first-ever Gigaton Awards in 2010
- 2011 / 2012 Member of the Dow Jones Sustainability Index (Recognized as an index member since its inception in 1999)
- 2009 Business Week’s Greener China Business Award
www.3M.com/Sustainability