



**Sustainable Progress at Roche USA
Climate Leaders Partners Meeting
Boulder, Colorado
December 4, 2007**





A Global Perspective

About the Roche Group

- Founded in 1896 in Basel, Switzerland
- Employs more than 70,000 people
- Operates in more than 65 countries
- 2006 sales ~ \$ 33.6 billion*
(42.0 billion CHF)
- Invests almost \$5 billion per year
in R&D



A Global Perspective

About the Roche Group



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Our Mission

Our aim as a leading healthcare company is to create, produce and market innovative solutions of high quality for unmet medical needs. Our products and services help to prevent, diagnose and treat diseases, thus enhancing people's health and quality of life. We do this in a responsible and ethical manner and with a commitment to sustainable development respecting the needs of the individual, the society and the environment.





Climate Leaders 2001-2006

First Milestone

- Original goal: 10% greenhouse gas reduction by 2008 vs. 2001
- Activities to date:
 - Numerous projects implemented at all major sites
 - Automobile fleet improvements
- Results to date: 10.8% greenhouse gas reductions by 2006

Cogeneration Repowering Nutley, New Jersey



- Shutdown 12/03
- 2 new turbine-gen sets
- 5.2 MW each
- Kept old exhaust train
- Restart 5/04



Turbine Being Removed From Truck

High Efficiency Boilers



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Efficient Boiler Controls



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Boiler Economizer



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High Efficiency Chillers



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New Tower Water Pumps



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Interconnecting Chiller Plants



Water-Side Economizer



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Heat Recovery



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Cool Roofs Palo Alto and Pleasanton, CA



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Modifications to Laboratory Ventilation



Lighting Upgrades



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Lighting Controls



RetroCommissioning



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VFD's



Fleet Efficiency



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Climate Leaders 2006-2010 The Path Forward



Next Goal

**15% Greenhouse Gas Reduction by
2010 vs. 2001**



Roche's Corporate Directive

- Group directive K18-energy conservation issued late 2006
- Applicable to all Roche sites and activities globally
- Designed to *“ensure that all decision-making at Roche supports efficient, appropriate and cost-effective energy use”*
- Specifies the development of “energy conservation process”
- Investments based on **life cycle costs**



Renewable Energy East Coast Photovoltaic



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Renewable Energy West Coast Photovoltaic



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New Chiller Plant Indianapolis Site



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Inlet Air Cooling Nutley Cogeneration



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New Façade on Flagship Building



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“Treat the earth well. It was not given to you by your parents. It was lent to you by your children.”

-Kenyan proverb