Beyond Operations Emissions Reductions

Advancing low carbon products / services, sectoral initiatives, policy engagement, and other ways to lead on climate

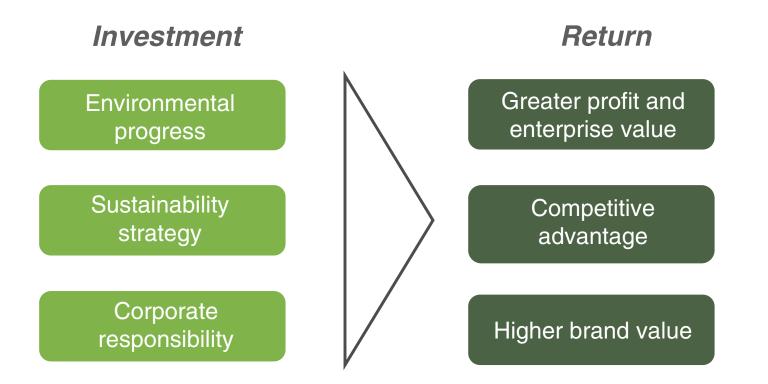
October 8, 2008

GreenOrder, Inc. www.greenorder.com Confidential



About GreenOrder

A strategy and management consulting firm that helps companies maximize their return on investment in sustainability...



Making progress profitable



Our Approach

We combine 3 core skill sets...

Sample Clients



Strategy development for climate leadership



Strategy – Internal

and External

Green Making progress p

• New Products,

Models

Services, & Business

- Identify Broader **Opportunities**
- Supply Chain Initiatives
- Product/service Offerings

Confidentia

4

Market

Analysis

Leadership Beyond Emissions Reductions



New Products and Services	Many examples to follow
Supply Chain	 Wal-Mart PepsiCo Procter & Gamble HP And others Unilever
Sponsored Research	 •GHG abatement cost curves •Resources for the Future Climate Policy Options report •Pew Center on Global Climate Change Energy Efficiency report •Etc.

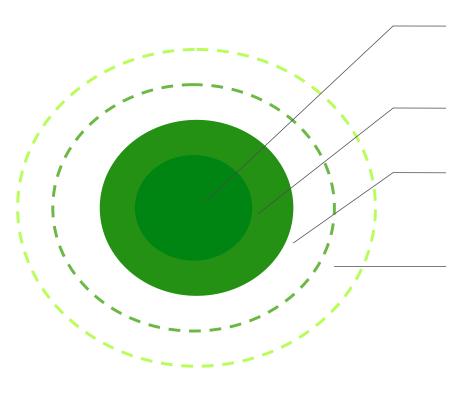
Confidential

Leadership Beyond Emissions Reductions, Cont. GreenOrder

Sectoral /Industry Initiatives	 Cement Sustainability Initiative Climate Savers Computing Initiative Aluminum for Future Generations
Public / Private Partnerships	 Climate Leaders ENERGY STAR SmartWay Climate VISION
Policy	 Business Environmental Leadership Council (BELC) World Economic Forum USCAP

New Offerings Grow Best in Phases

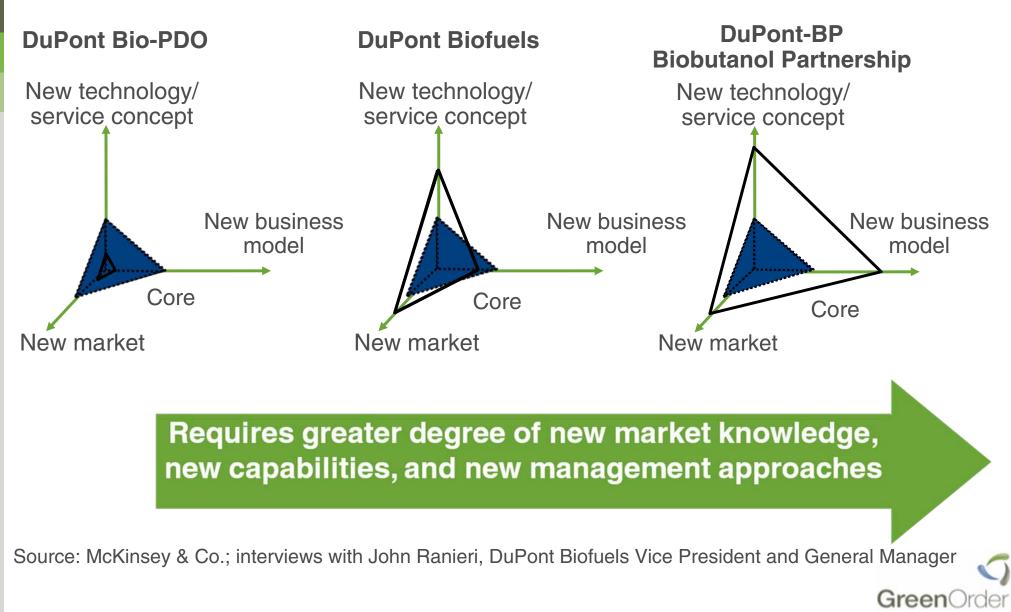
Initial phases focused on existing offerings can attune the business to emerging market preferences and demand trends around sustainability



- 1. Establish the basis of the green offering (based on products / services in which there is high confidence)
- 2. Incorporate additional existing products into the green offering
- 3. Evaluate existing products that do not currently qualify, but could qualify if incrementally improved
- 4. Develop innovative products / services that can be included in the green offering upon commercialization (from R&D and product development, partnering, or acquisition)

Green

Leaders Will Step Out of Their Comfort Zone



Analyze Drivers of Market Transformation

Macro Trends

- Energy supply / demand
- Economic growth (particularly in BRIC countries)

Regulation, Standards, Codes

- GHGs, energy, buildings, transportation, water, l toxics, recycling, etc.
- International / trade, national, regional / local

Supply Chain Pressures

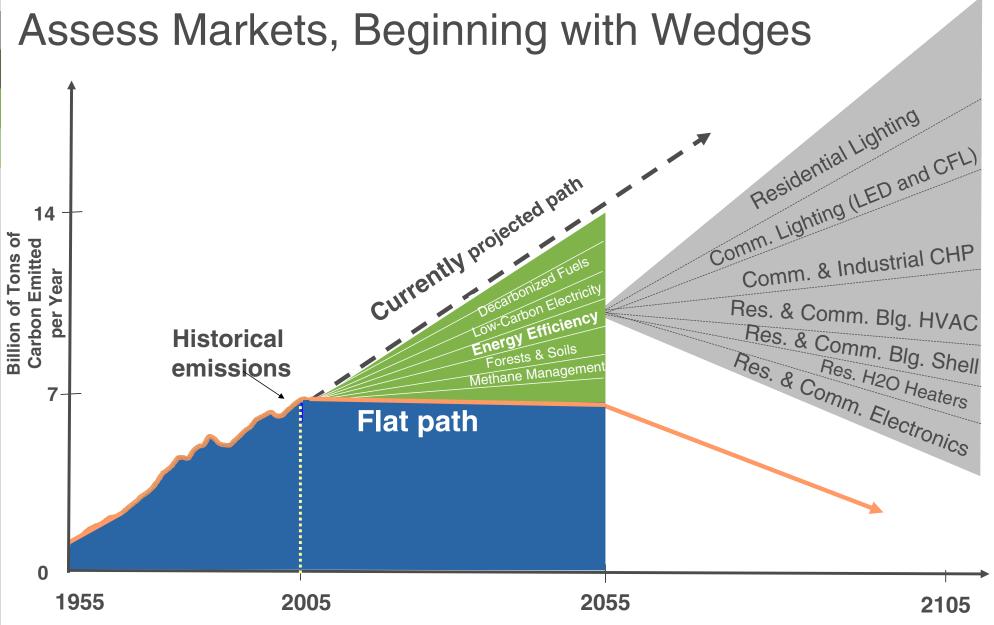
- Major retailer initiatives \rightarrow the new regulators
- Increased consumer attention to toxics, etc.

Other Stakeholder Pressure

- Shareholders
- NGOs
- Communities

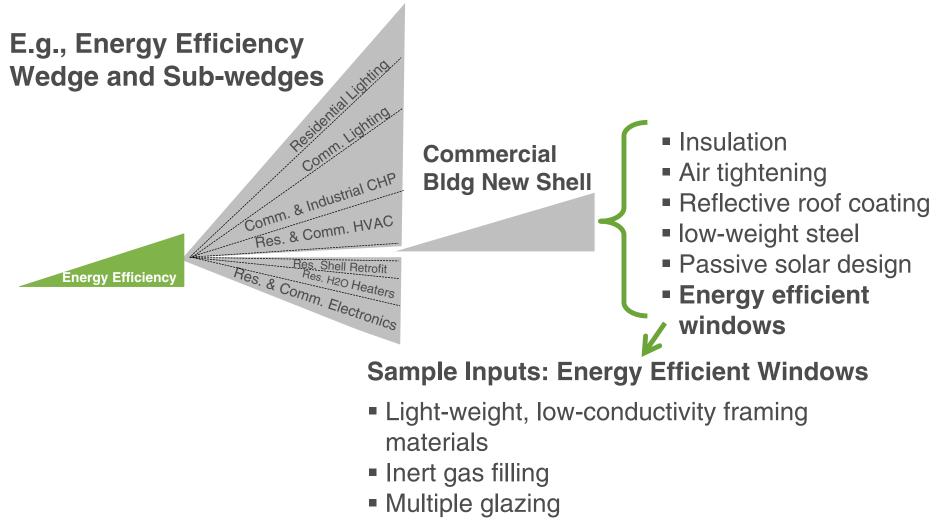
Understand how drivers affect changing demand, prices, etc. in your current market space, as well as in adjacent spaces – and how you can affect those drivers





Derived from: S. Pacala and R. Socolow "Stabilization Wedges: Solving the Climate Problem for the Next 50 Years with Current Technologies," <u>Science</u>, August 13, 2004:V305, 5686, pp 968-972.

Drill Down Further into Sub-wedges and Inputs



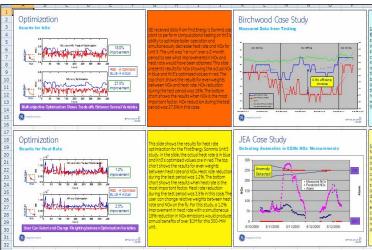
- Low-emissivity coating
- Double/triple-paned
- Location-specific tinting



Example: GE ecomagination Scorecards & Applications

GreenOrder-designed tool and process with deep quantitative analysis

	Energy Closency Robins					
Congeste	Sevel	Rade: F	Tacked Wellings An ethic	Larves Culput	Efficacy (among the state	Relat Bals Ult (hours)
Bare 2-D						
of Lighting	General Floores	BAR7-300-89027		1000	-60	15,555
a lighting	Character Managers	CC#18/9/10/02/9/97	195	10140	79	10.000
Bare Circline						10000 000
C Lighting	Serem Decirc	10403000702301	2	1205	-	10.000
2C Lighting	Cenerel Clearing	CADDOM TREAT	20	1900	45	10.000
Arrent of the second se	Harrowy Lighting	HOUSEKS		2760	60	#.003
termany Lighting	Harmony Lighting	CC1071A	20	2200	72	6.000
annung Lighting	Harmony Lighting	KERSCAR.	100	2002	12	4,003
group distance	Lights of America	19430	20	1266	10	4.000
gran of Several and	Lights of American	5410	30	2007	70	6,000
fund, the	MARKET E	DA LURDER	25	1206		4,000
Taurd, Har	MAXAJE T	DK420CF8-b	20	1055	78	6,000
hank No.	WADDITE.	extenses.	10	1000		4,000
echnical Garamer Products	TOP	14520.	30	1702	57	10,000
echnice Gerainer Products	TOP	17032.	20	1010	-	10,000
estrese Gerarter Podich	TOP	12030/27	20	2000	47	40.008
Indented Gararese Publish	TOP	12030.	*	1200	10	10.008
Bare Mini-Spiral				-		
M Comprision Group Inc.	LUMAcal	LIGHTON	12	900	05	10.008
M Compression Drove Inc.	LUNiberal	LECTION	16	1800	10	10.008
M Cananal in Onus Int.	LUNAAAI	1.101000	20	KAGE .	70	40.000
M Germanater Dense Im.	LUMAnet.	1. BE SCHEM	29	144	12	10.038
maticar Top-Lighting Inc.	Tasilis	TRATETS.	23	1000	75	6,000
and Later as	1 activity	CR 1004	1.0	#00	140	# 000
anal Lichting	ub the	OL-401A	10	EM .		6,009
and Lighting	Scentile.	CE 4004	10	800		4.000
mel Lichting	The p	OL-1054	10	500	88	6,000
anal Lighting	Bri-Char	C84038	1.0	EM .	45	4,000
and Later a	Burnenbur	CR. 1054	10	#00		4,000
anal Lichting	Marsta	OL-1016	16	500	8	6,009
board & ghting	Manato	0.9654	14	800	-	4,009
anel Lighting	Sovendor	OL-15VAL	15	900	00 40	6.000
Second & -giftering	Read in	CS -952M	14	800		4,000
Served Elighting	Dri-Char	OL-HUML	15	900	00	6.000
term of \$1 whether \$	- Charles	and sectors		Relation	and the second s	4.000



Green

 Business Units

 Substantian

 Image: State of the st

GE Scorecard Example, Continued

A **Process** and a **Tool** that:

- Qualifies products under a rigorous performance standard with a customer-centric focus
- Quantifies energy and environmental performance of products with a customer-centric focus
- Translates technical information into clear claims
- Provides the marketing *compelling*, *unique*

to make environmental credible

Green

The Scorecarding process attunes the Business Unit to sustainability-based market value – to apply in R&D, new business development, M&A, partnerships, etc.

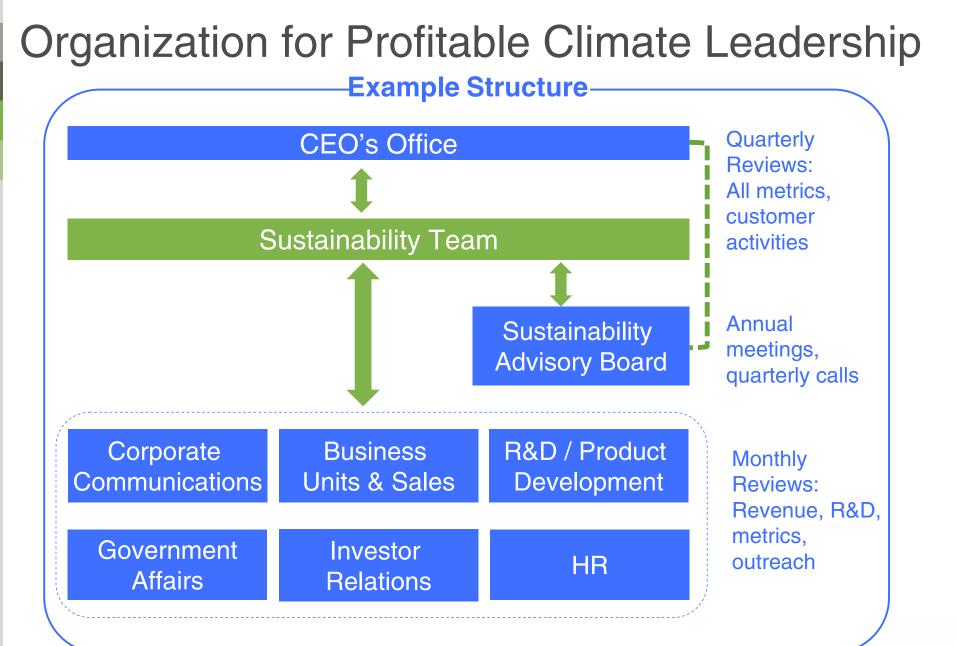
Preliminary Results for GE: Very Positive

Results for ecomagination (2007):

- \$1.1B in R&D investment
- 60+ certified products
- \$14B in revenue
- •9% reduction in GHG emissions







GreenOrder

Thank You

Truman Semans Principal 212.725.4848 x234 tsemans@greenorder.com www.greenorder.com



Making progress profitable.