



Empowering you to make
smart energy choices

Business Sustainability Challenge

The United Illuminating Company

Introduction

- Umbrella approach to support businesses becoming more sustainable - charts a course toward sustainability
- Makes **sustainability**:
 - Accessible
 - Achievable
 - Profitable
- Addresses **energy efficiency** in the context of sustainability and competitive benefits

BSC New vs. Old

- Old program not “sustainable” – it provided an outline but insufficient structure
- New program provides:
 - Goals and focus
 - Milestones
 - Progression through incremental and achievable steps
 - Emphasis on peer networking groups where businesses can share ideas, resources, and successes

Who Needs the BSC?

- Expands sustainability from large businesses to small and medium sized enterprises (SMEs)
- SMEs created the majority of jobs in the past 20 years, but as much as 70% of industrial pollution
- SMEs implementing comprehensive sustainability can increase profitability 66% compared to 38% at large businesses

Recent CBIA Survey

- The 2013 Connecticut Business & Industry Association, “Sustainability and Connecticut Business Survey” found:
 - “81 percent of companies who reported going green found it has been worth the time and investment. Benefits cited include a boost to the bottom line as well as improved employee morale, public image and client/customer relationships.”

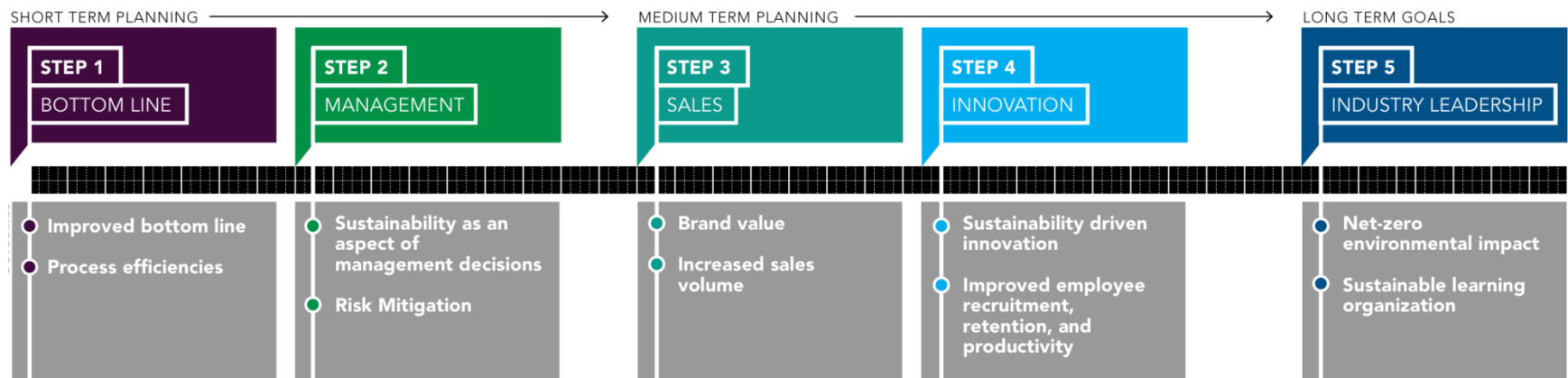
BSC Program Goals

1. Improve competitiveness
2. Reduce energy consumption
3. Manage resources responsibly
4. Encourage renewable energy production

BSC Expectations and Milestones

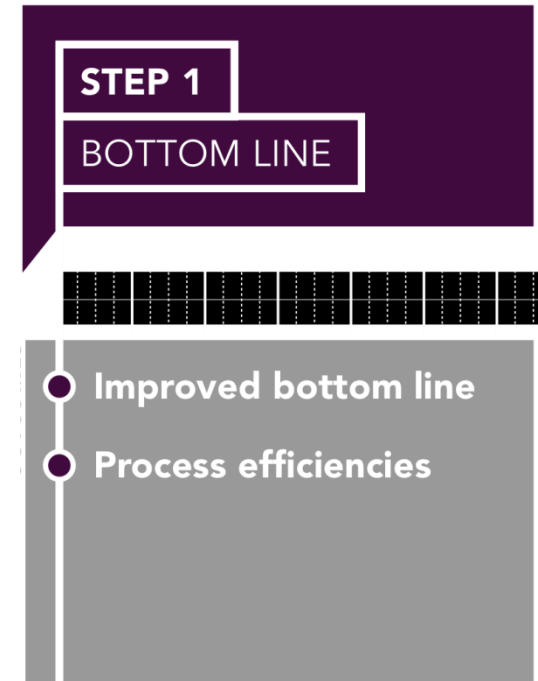
- Companies progress at their own pace
- Businesses vary greatly in size and sector
- Universal milestones for development and monitoring of metrics and indicators for key areas such as:
 - Energy/Carbon
 - Waste
 - Stakeholder Engagement

BSC Program Design



Step One

- Strategic Energy Management
- Improve a company's bottom line through energy efficiency and waste reduction
- O&M, PRIME, RCx



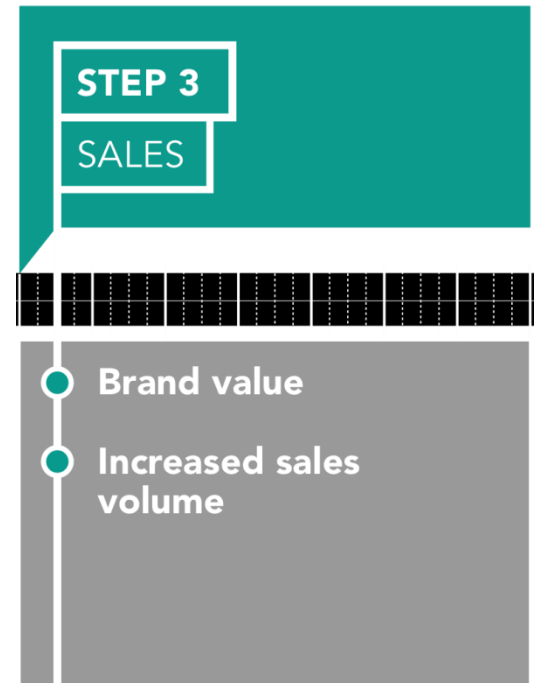
Step Two

- Integrate sustainability throughout a company
- Include sustainability as an aspect of its decision-making
- Small Business Energy Advantage, Energy Opportunities, Energy Conscious Blueprint



Step Three

- Grow sales through engagement with customers
- Create new sales opportunities
- Integrate sustainability as an aspect of quality
- Join Clean Energy Communities and/or purchase clean energy



Step Four

- Build a culture of innovation around sustainability
- Evaluate and redesign value proposition
- Improve employee commitment and customer loyalty
- Clean energy investment, PPA, or purchasing



Step Five

- Long-term vision for world-class industry
- Net-zero energy and zero waste – as driven by major brands such as Walmart
- People and processes that thrive in an unpredictable future



Networks and Roundtables

- We organize and facilitate networks for companies to share information and resources to improve performance and sustainability
- Three networks already in progress and more in the planning phase

Manufacturing Roundtable

- For small and medium sized manufacturers
- Quarterly meetings at rotating facilities to discuss different topics of interest such as:
 - Employee engagement
 - Building energy management systems
 - Product certification

CLASU

- Brings together colleges and universities
- Facilitates collaboration and knowledge sharing
- Supports mutually beneficial actions:
 - Campus sustainability
 - Education opportunities
 - Links together sustainability and training opportunities to support CT industry – including Naugatuck and Housatonic Community Colleges

Wastewater Treatment Plants

- Newly forming group
- Facilities conduct audits of their current performance and work with UI engineers to create energy strategies that save money
- Participate in ongoing peer assistance events to share best practices and resources

BSC Relevance

- BSC is a program that includes waste reduction, recycling, and employee engagement in addition to energy efficiency
- Ratepayer funded program to assist all businesses in becoming more responsible and energy efficient through competitive and profitable measures
- Businesses are entitled to capitalize on the resources that the BSC offers

What You Can Do Today

- Complete the BSC opportunity card on your seat and put it into a collection box
- Our Business Sustainability team will follow up with you to schedule an initial meeting to plan how to best take advantage of the EnergizeCT programs such as the Business Sustainability Challenge, Strategic Energy Management, and PRIME

Thank You!

Please contact Amy McLean-Salls with questions:
amy.mclean-salls@uinet.com.

	Step One	Step Two	Step Three	Step Four	Step Five
Expected Outcomes	<ul style="list-style-type: none"> > Improved bottom line > Process efficiencies 	<ul style="list-style-type: none"> > Sustainability as an aspect of management decisions > Risk mitigation 	<ul style="list-style-type: none"> > Brand value > Increased sales volume potential > Sustainability as an aspect of management and quality > Community support and social license to operate 	<ul style="list-style-type: none"> > Brand authenticity and customer loyalty > Sustainability driven innovation > Employee recruitment, retention, and productivity 	<ul style="list-style-type: none"> > Net-zero environmental impact > Sustainable learning organization
Energy and Carbon	<ul style="list-style-type: none"> > Strategic energy management > Greenhouse Gas Protocol Scope 1 and 2 	<ul style="list-style-type: none"> > Prioritize energy criteria in assessing capital expenditures 	<ul style="list-style-type: none"> > GHG Protocol Scope 3: transportation and business travel > Revolving fund for energy efficiency investment combined with behavior change/employee engagement 	<ul style="list-style-type: none"> > Clean energy development, renewable energy credit purchasing, or clean energy purchasing power agreement 	<ul style="list-style-type: none"> > Energy and carbon neutrality or positivity
Indicators	<ul style="list-style-type: none"> > Energy & carbon: total and intensity > Waste: intensity and/or dumpster pulls 	<ul style="list-style-type: none"> > Direct material inputs intensity > Process water intensity > % of employees trained on sustainability 	<ul style="list-style-type: none"> > Scope 1, 2, and 3 carbon intensity > Water intensity > Indicator for advanced employee training > Indicator for how training and management influences employees > % R&D investment related to sustainability 	<ul style="list-style-type: none"> > % clean energy purchased or procured through PPA, etc > % of sales (\$ or product) or product lines that fit sustainable criteria > Integrate sustainability into existing measures of customer satisfaction 	<ul style="list-style-type: none"> > Self determined indicators for (a) organizational learning (b) linking operational indicator performance to innovation



BSC Implementation Resources

- Supporting documents designed specifically for the new program structure:
 - Sustainability self-assessment
 - Sustainability training module
 - Sustainability plan template
 - Energy management plan template
 - Recommended tools and standard operating procedures

BSC Energy and Carbon Management

- *Energy Management:* [ISO 50001](#) Energy Management System - same framework as the other ISO management systems.
- *Carbon Management:* [Greenhouse Gas Protocol](#) from the [World Business Council on Sustainable Development](#).

BSC Carbon Disclosure

- *Carbon and Climate Disclosure*: [CDP](#) (formerly the Carbon Disclosure Project) has extensive guidelines on reporting the [carbon](#) and [water](#) footprints of corporations.
- CDP uses the Greenhouse Gas Protocol accounting standards.

BSC Management and Reporting

- *Environmental Management System: [ISO 14001](#)* is the international standard for environmental management. It is straightforward to obtain if your company already is ISO 9001 certified or compliant.
- *Sustainability Reporting: the [Global Reporting Initiative](#)* is the international standard. The standards contain sector specific guidelines based on industry type.

BSC Buildings

- *Energy Performance:* [ENERGY STAR](#) and [LEED](#) provide guidance, tools and standards for tracking the energy performance of a building.
- *Net-Zero Impact:* the [Living Building Challenge](#) promotes net-zero impact buildings and offers a more advanced and holistic approach.

BSC Products

- Life Cycle Assessment: [ISO 14040](#) covers all aspects of life cycle assessment.
- Greenhouse Gas Inventory: [ISO 14064](#) provides guidance for calculating the carbon footprint of a product.
- Sustainability: [Cradle to Cradle](#) certification looks at a product within a larger system of production. It ensures life cycle management and also encourages “upcycling”.