KEYS TO A SUCCESSFUL SUSTAINABILITY PROGRAM

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Three Keys:

- Leadership & Purpose
- Goal Setting & Monitoring
- Management Systems
The New Business Equation:

Business has ceased to be primarily a relationship between an owner and their banker…….
Key Concepts of Sustainability & CSR

- Accountability
- Transparency
- Ethical behavior
- Respect for stakeholder interests
- Respect for the rule of law
- Respect for human rights
- Sphere of influence
- Adopting the long-view
- Societal license to operate
One Term?

- Sustainable Development
- Sustainability
- Corporate Social Responsibility (CSR)
- Greening
- Stewardship
- Conservation
- Deep Ecology
- Industrial Ecology
- Natural Capitalism
- Circular Economy
- Others?
adopting business strategies that meet the needs of the business and its stakeholders today while sustaining the resources, both human and natural, that will be needed in the future. KPMG

“The way to make environment a business issue is to treat it like a business issue.” Randy Price, circa mid 1990s. Former VP EHS for Consolidated Edison in NYC
What is Sustainability for the Business World?

Sustainability in practice can be seen as the *art of doing business in an interdependent world.*

Andrew W. Savitz

Customers & the Supply Chain are Key Factors
Sustainability Status?

All this is good……..

- Many individual businesses and corporations have accomplished much so far (and deserve to be recognized and rewarded)

But two big questions……..

- Suppose my facility has barely started, or slipped back?
- How can I run my sustainability program more efficiently and effectively? (How can I best sustain the program?)
Management & Culture

Management determines a company’s:

- Philosophy
- Culture
- Values
- Priorities
Leadership Observations:

Good business leaders create a vision, articulate the vision, passionately own the vision, and relentlessly drive it to completion.

- Jack Welch, former CEO of GE

Pollution Prevention (sustainability) starts between the ears and the most critical ears belong to the CEO.

- Denny J. Beroiz, Environmental Director B-2 Division, Northrop
“Our business decisions balance economic viability with ecological responsibility. In the end (our) projects and hundreds of others like them must improve our environmental performance in measurable, demonstrable ways.”

Chris Lane, former VP of Environmental Affairs, Xanterra Corp
Setting Goals: Know & Manage Your Impacts

Determine your organization’s impacts/footprints.

- Emissions to air
- Consumption of water
- Releases to water
- Release of noise
- Disposal of waste
- Use of raw materials
- Spills to the environment
- Consumption of energy
Environmental Aspects from Manufacturing: Inputs & Outputs

Inputs
- Raw materials
- Energy
- Processed goods & services
- Water

Outputs
- Products
- By Products

Air
- Stack/Point
- Fugitives

Water
- Process
- Sanitary
- Stormwater

Waste
- Hazardous
- Non-Hazardous
- Electronics
Environmental Impacts Might Include:

- Human health & safety impacts
- Soil, water or air contamination
- Ecological damage
- Resource use and depletion
- Global impacts, e.g., CO2 & Climate change
- Habitat elimination or species extinction
- Excessive or non-recyclable packaging
- Poorly designed products w/short life cycle
Example of an Aspect and Impact

**Aspect:**
- Wastewater discharged to public waters

**Impact:**
- Water quality (and possibly land and air) impacts as well as human health concerns
Overview – Aspects and Impacts

- An aspect list can be thought of as an inventory of all activities with environmental interactions.
- All aspects – large and small are included in this inventory or “database”
Setting Goals: Know & Manage Your Impacts

Draw from your Environmental Aspects to develop quantitative, measurable goals and track them.

Simple examples:

- Reduce solid waste generation by 15% by the end of 2019.

- Train 3 maintenance staff on advanced energy efficiency techniques by October 30 of this year & initiate 2 energy-saving projects in Q1 2020.
How Does an Organization Fulfill Its Sustainability Commitments?

“Xanterra is big on accepting fractions: I believe in 1 percents; half percents. Start somewhere and click away at the fractions.”  
Chris Lane, former VP Environment
Management Systems Approach

- Set goals
- Implement
- Check progress
- Seek improvement
What is a Management System?

A system for addressing policies, principles, objectives, procedures, authority, responsibility, accountability and implementation components of an organization’s stated purpose (in this case, its sustainability initiatives).

MS examples:
- ISO 14001 – Environmental
- ISO 9001 – Quality
- ISO 45001 – OH&S
The Management System is the structure – it provides the framework that allows Sustainability initiatives to achieve lasting success.
Acknowledge the Challenges are Many

The path to sustainability can be paved with potholes, pitfalls & detours:
Achievements in the Olympic High Jump

- Scissors
- Western Roll
- Straddle
- Fosbury Flop
Raising the Bar

Achievements in Sustainability

Continuous Improvement

Sustainability Leaps
Worthen’s Approach
Quality Solutions for Industry

Excellence in manufacturing since 1866
What is Sustainable Manufacturing?

• Minimize/Eliminate Environmental Impacts
• Conserve Energy & Natural Resources
• Concern For Employees, Communities and our Supply Chain (vendors & customers)
• Economically Sound
The 2019 Worthen Sustainability Approach

WE CARE

Waste: We are focusing on minimizing our waste and diverting it from landfill

Educate: We aim to educate our employees and stakeholders on sustainable business practices

Comply: We operate in compliance with all regulatory requirements 24/7

Achieve: We strive to achieve our sustainability and safety goals through focusing on continual improvement

Responsible: We take personal responsibility for our efforts and actions

Environment: We respect the environment and serve as its stewards
Questions/Discussions