



**metavû**  
Creating a Return on Environment<sup>SM</sup>



## Resource and Process Optimization

Resource & Process Optimization are essential components to designing the sustainable organization. Minimally, the following should be assessed and incorporated into the overall Corporate Sustainability Strategy: energy; water; waste to landfill; feed stocks; procurement and supply chain optimization; sustainable raw material selection and use; environmental specifications; waste-stream monetization strategies; recycling / reclamation strategies; energy use; and electric generation.

### Implications of Sustainable and Supply Chain and Process Optimization:

- ❖ **Reputational Risk** - Significant potential for organizational risk exposure relating to environmental and social aspects of supplier operations.
- ❖ **Socially and Environmentally Responsible Purchasing Systems** – Sufficiently sensitive to carbon liability of feedstocks, pollution, and resource depletion, and materials for upstream value-chain applications.
- ❖ **Waste to Feedstock Applications** – Innovate the supply chain to reduce waste-to-landfill societal drivers and monetize the waste stream as a feedstock.
- ❖ **Cost Reduction & Improved Efficiency** – Identify opportunities within existing supply chain strategies where cost reduction can be exacted and efficiency can be improved through readily available means and / or means with minimal capital investment.

- ❖ **Energy Procurement** – Oftentimes energy procurement is bifurcated within organizations to support the various businesses and divisions. This can create a sub-optimal process by which repetitive costs aren't identified or contained. Additionally, contract terms can be optimized to meet the needs of the organization while optimizing capital outlays.

- ❖ **Life Cycle Assessment** is typically used to quantify the environmental impact of a product or process. Gaining a science-based understanding of the multitude inputs and outputs involved in creating a product or service allows for a solid foundation from which to make sound corporate investments in impact reduction initiatives, alternative materials selection, and market identification.

Resource and Process Optimization are critical components of an organization's comprehensive strategy to increase shareholder value through sustainability. Research indicates that proactive resource and process optimization / map directly to increased shareholder value (see graphic next page).



How can MetaVu help you? MetaVu's experience in all aspects of Resource and Process Optimization can make a significant contribution to your organization's current set of environmental investments, as well as defining opportunities and strategies to optimize those investments in the marketplace.



### Why Chose MetaVu?

MetaVu's value stems from its unique understanding of the drivers of environmental performance and their inextricable link to resource and process optimization. Management strategies serve as a critical component of a corporation's sustainable approach to business. Clients of MetaVu's resource and process optimization Practice:

- Gain valuable insight into their procurement processes and practices from which sustainable sourcing and cost-reduction opportunities can be identified;
- Optimize production and manufacturing processes to incorporate the use of alternate feedstocks and reduce energy consumption
- Significantly reduce waste streams through the institution of innovating waste reduction and / or reuse applications.

**For more information on MetaVu's Environmental Footprint practice, please contact Liz Jensen at 303-679-8340, or visit [www.metavu.com](http://www.metavu.com).**