

# Transportation Sustainability



**Transportation Research Board  
ADC 60 Committee**

**Summer Environmental Conference  
July 13, 2009**

# TechLaw Overview

---

- 25 years as experts in environmental and business consulting
- U.S. EPA's senior oversight consultants for resource management and regulatory expertise
- Efficient and effective "green" consulting has been our business for decades

# Transportation and Sustainability

---

- ❑ Many definitions of sustainable transportation focus on systems and vehicles and societal planning and priorities.
- ❑ These are critical macro scale components. However...

*Don't forget where the rubber meets the road!*

# Sustainability

---

Being “green” is a hot topic, but what does it really mean for an organization?

- ❑ Sustainability is about managing resources and operations for maximum efficiency and effectiveness with minimal environmental impact.
- ❑ A successful sustainability program is a culture built on:
  - Environmental Performance
  - Economic Benefit/ROI
  - Regulatory Management
  - Social Responsibility

# Sustainable Transportation Organization

---

- Wide variety of facilities, equipment and staff
- For purpose of today's discussion, focus will be on facilities:
  - Program Components
  - Management and Operation
  - Measurement and Assessment (ongoing)

# Program Components

| Facilities Evaluation Module |                                 |               |
|------------------------------|---------------------------------|---------------|
| COMPONENT                    | ELEMENT                         | Perf. Indic.  |
| General                      | Management Commitment           | Four factors  |
|                              | Capital Plan/Building Plan      | Six factors   |
| Energy                       | Heating and Cooling             | Six factors   |
|                              | Lighting                        | Six factors   |
|                              | Alternate Energy                | Three factors |
|                              | Equipment Demand                | Five factors  |
| Water                        | Distribution/Use                | Five factors  |
|                              | Plumbing                        | Two factors   |
|                              | Landscaping                     | Two factors   |
| Indoor Air/Environ. Quality  | Mgt. Commitment                 | Three factors |
|                              | HVAC Operations                 | Three factors |
|                              | Ozone                           | Two factors   |
|                              | Hazardous Materials             | Six factors   |
| Materials and Resources      | Mgt. Commitment                 | Three factors |
|                              | Source Reduction and Waste Mgt. | Three factors |
|                              | Toxic Materials                 | Three factors |
|                              | Purchasing                      | Two factors   |
| Building Siting              | Siting Evaluation               | Four factors  |
|                              | Greenhouse Gases                | Two factors   |

# Sustainable Transportation Organization

---

- ❑ Set goals for your organization's performance
  - Macro Goals (what Stage?)
  - Micro Goals
- ❑ Goals should include measures in:
  - Environmental Performance
  - Economic Benefit/ROI
  - Regulatory Management
  - Social Responsibility

# Closing

---

- ❑ Look for opportunities within your organization to practice the sustainability concepts
- ❑ Dave will be following with more specifics...
- ❑ For further information

Mark Heaney

[mheaney@techlawinc.com](mailto:mheaney@techlawinc.com)

212-695-3600