

Clean Water Symposium

Presented by:
David A. Skiven & Christopher J. Webb
Co-Directors of the ESD Institute

ESD Institute

Formed through unanimous approval of the ESD Board of Directors

- **ESD Institute Vision** – Finding a sustainable tomorrow with integrity that serves our members and society.
- **ESD Institute Mission** – Is to foster greater unity, focus and choice for the implementation of innovation, maintenance, and attraction of investment capital, and the betterment of society.

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Key Attributes of the ESD Institute

- To accomplish the direction of the ESD Board to implement innovation through Unity, Focus and Choice through a process based upon integrity.
- To provide a neutral and balanced venue for discussing and acting on critical issues.
- Public conferences and events, which provide a commons for people to share ideas.
- A site that is both a showcase for the Institute's activities, and a working environment for ongoing collaboration and dialog among the institute's fellows, staff, and board members.
- A location that is also a portal to the education and outreach program offered by the Institute
- A location that elevates the visibility of problems and the need for urgent solutions
- Create opportunities and encourage collaboration among science, policy, engineering, and business faculty to extend the knowledge of, and offer solutions

ESD Institute Success Matrix

<p>Independence and Neutrality of ESD Board</p>	<p>Diversity of Symposium Participants</p>
<p>Problem Solving Facilitative Process</p>	<p>Peer Review & Implementation Workgroups</p>

Michigan Green Enterprise Zone Initiative

March 19-20, 2009

Green Enterprise Zone Initiative Our Symposium Mega Question

How can Michigan maintain and attract investment without the use of public funds or tax incentives to reclaim global competitiveness?

Green Enterprise Zone Symposium Workgroup Assignments

- If you were creating a **dispute resolution system** from scratch, what would it look like and how would you implement it?
- If you were creating a **labor/management relationship** from scratch, what would it look like and how would you implement it?
- If you were creating a geographical or virtual **sovereign enterprise and investment zone** from scratch, what would it look like and how would you implement it?

Green Enterprise Zone Legal Innovation Workgroup Recommendations

Bottom Line:

- **Early application of proven dispute resolution methods such as mediation and arbitration will reduce enterprise costs. Actual case studies support this conclusion.**
- **The Workgroup should create a new kind of dispute resolution system for the Zone with skilled panels of neutrals as a first step before traditional litigation starts.**
- **No investment zone exists today that incorporates such legal innovation.**
- **OUR GOAL: 10% TO 20% SUSTAINABLE REDUCTION IN OPERATING COSTS FOR ENTERPRISES IN THE ZONE.**

Green Enterprise Zone Labor/Management Workgroup Recommendations

Bottom Line:

- **The Workgroup should quantify the cost advantages of a Labor/Management relationship that starts with a “clean sheet” approach.**
- **The Workgroup should continue to create a new kind of operating agreement between Labor and Management not currently in existence in the US.**
- **OUR GOAL: 10% TO 20% SUSTAINABLE REDUCTION IN OPERATING COSTS FOR BUSINESSES IN THE ZONE.**

Green Enterprise Zone Sovereign Zone Workgroup Recommendations

Bottom Line:

- Real and sustainable cost reductions can be achieved through collaboration with Tribal entities or independently through the state or federal legislation.
- The Workgroup should draft potential state or federal legislation that could be enacted to obtain some or all of the sovereign attributes currently enjoyed by Tribes especially for distressed or ailing economic areas.
- The creation of a Sovereign Investment Zone deserves further examination in light of the realities relating to public funding.
- **OUR GOAL: 10% TO 20% SUSTAINABLE REDUCTION IN OPERATING COSTS FOR ENTERPRISES IN THE ZONE.**

Recommendations of the ESD Institute Directors

- Continue the Symposium Workgroups of Labor/Management, Legal Innovation & Sovereign Attributes.
- Quantify in financial terms the savings that result from the ideas of the three Workgroups.
- Create a “Prospectus Michigan” that incorporates the results of the Workgroups to achieve a sustainable solution for investment without the need for public funding or incentives.
- Return Michigan to global competitiveness that creates jobs and opportunity for Michigan’s residents.
- **OUR GOAL: ACHIEVE 20% TO 30% SUSTAINABLE REDUCTION IN OPERATING COSTS FOR ENTERPRISES IN THE ZONE WITHOUT NEED FOR PUBLIC FUNDS.**

Today's Leaders

“The Zone is a game changer for Wayne County and for Michigan. Dropping the costs of doing business in the Zone without dependence upon public funding will bring us back to global competitiveness.”

– Robert A. Ficano, Wayne County Executive

“The Zone Initiative of ESD gives Michigan the chance to start over. Let's roll up our sleeves and turn things around. In unity we can do anything. The time is now.”

– Doug Buckler, AFL-CIO

Planned Symposiums

- **Clean Water**
- **Clean Energy**
- **Clean Transportation**

Simple Fact – Solutions Come from the Private Sector

- **National Academy of Science study of 23 major technologies in the energy field – 20 came from the private sector – 3 from the Department of Energy**

The Institute Is About Solving Problems

- **Question:** How can Michigan maintain and attract investment without the use of public funds or tax incentives to reclaim global competitiveness?
- **Answer:** Read The Green Enterprise Zone Report on the Institute's website.
- **Question:** How does Michigan fairly and effectively build a policy consensus for a critical resource that everyone needs?
- **Answer:** Read your report after this Symposium.

Why Water Focus

- **The Great Lakes has approximately 20% of the surface freshwater in the world**
- **Michigan has over 889,000 acres of freshwater lakes, reservoirs and ponds**
- **Plus 50,000 miles of rivers and streams and 6.3 million acres of wetlands**

Water Users in the Great Lakes Region

- **Thermoelectric – 250 billion gallons/day**
- **Public Supply – 45 billion gallons/day**
- **Industrial – 35 billion gallons/day**

Rest of the World

- **World Wildlife Fund reports:**
 - 1.5 billion people living in areas that lack access to drinking water
 - Number will grow to 3.5 billion over 20 years
- **Water, Dow Chemical Chairman Andrew Liveris told the World Economic Forum, is the oil of this century**

United States

- **36 states are expected to face water shortage within 5 years**
- **38% of the U.S. was experiencing moderate to severe droughts by the end of 2007**
- **The aging U.S. water treatment infrastructure now requires an annual investment of \$24 billion to \$41 billion through 2019**

Clean Water Symposium Your Mega Question

How does Michigan fairly and effectively build a policy consensus for a critical resource that everyone needs?

Clean Water Symposium Workgroup Assignments

- If you were creating a “**Blue Economy**” from scratch, what would it look like and how would you implement it?
- If you were creating “**Water Peace for Michigan**” from scratch, what would it look like and how would you implement it?
- If you were creating “**Water Regulatory Transformation through Innovation**” from scratch, what would it look like and how would you implement it?
- If you were creating “**Sustainable Water Technology**” from scratch, what would it look like and how would you implement it?

Current and Future Initiatives of the Green Enterprise Zone Provide a Foundation for Success

LABOR/ MANAGEMENT RELATIONS

LEGAL INNOVATION

SOVEREIGN ZONES

Identifying What Can Be
Done To Drive Economic
Development

**Blue
Economy**

LABOR/ MANAGEMENT RELATIONS

LEGAL INNOVATION

SOVEREIGN ZONES

Identifying What
Can Be Done To
Support The Water
Mission

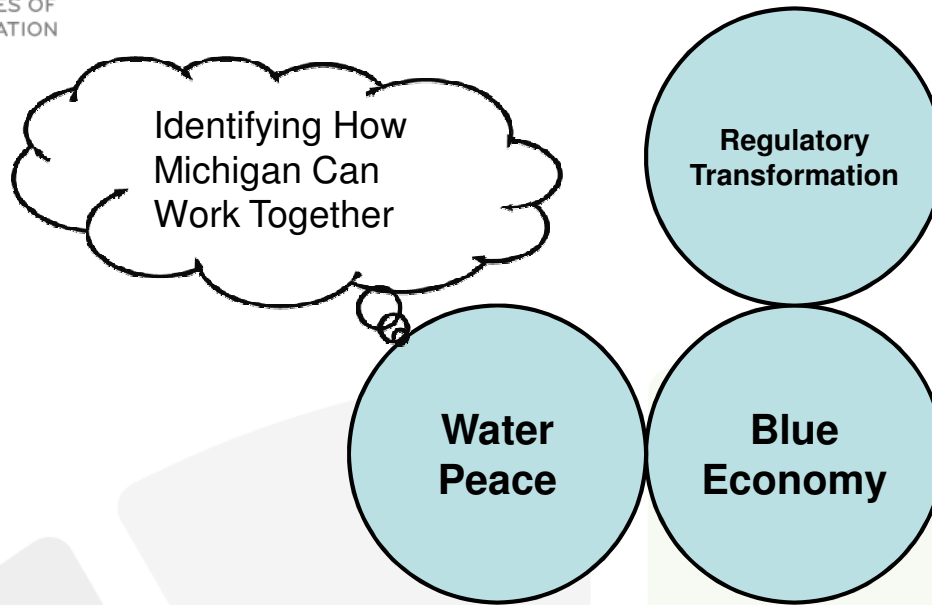
**Regulatory
Transformation**

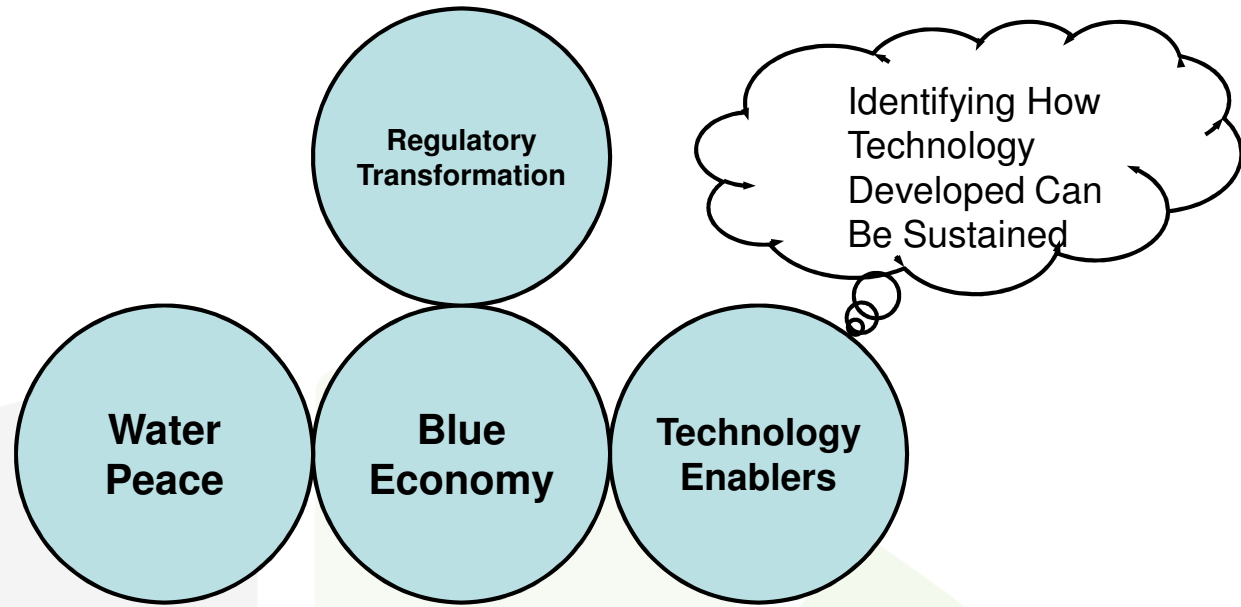
**Blue
Economy**

LABOR/ MANAGEMENT RELATIONS

LEGAL INNOVATION

SOVEREIGN ZONES





Our Commitment to You

- We commit to making every effort to protect the integrity of our process leading to solutions that can be successfully implemented.
- We commit to fostering the inclusion of diverse thought to promote creativity and innovation.
- We commit to the maintenance of an independent and neutral form in which all voices have a place.
- We commit to no “pre-determined” outcome except for the generation of new ideas and concepts for the betterment society at large.

Daily Schedule

	DAY 1	DAY 2
MORNING	<p>Presentations related to subject</p> <p>SET STAGE</p>	<p>Assess capability</p> <p>PRIORITIZATION</p>
AFTERNOON	<p>Breakout Sessions</p> <p>IDEA CREATION</p>	<p>Next Steps</p> <p>REPORT OUT</p>



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