



GEMI®

Global Environmental Management Initiative (GEMI)

The **GEMI Local Water Tool™ (LWT)** is a free tool for companies and organizations to evaluate the external impacts, business risks, opportunities and management plans related to water use and discharge at a specific site or operation. The information generated in the **GEMI LWT™** may be used by companies for internal or external communication at their discretion. **The GEMI Local Water Tool™ (LWT) for Oil and Gas** is a tool customized for petroleum companies.

The **GEMI LWT™** was developed in cooperation with the World Business Council for Sustainable Development (WBCSD) to link to the WBCSD Global Water Tool© (GWT) as well as with IPECA to link to the IPECA GWT for Oil and Gas and provide a set of tools that companies can use to sustainably manage water in their operations. These tools are designed to be compatible to enable users to achieve full value from use of both tools.

GEMI is considering additional sector-specific solutions tools, such as the **GEMI LWT™ for Oil and Gas**. GEMI would welcome additional sector-specific **GEMI LWT™** projects as well as other topic areas.



www.gemi.org/localwatertool

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Local Water Tool™
(LWT)

What is GEMI?

The **Global Environmental Management Initiative (GEMI)** is a global leader in developing insights and creating environmental sustainability solutions for business. Since 1990, GEMI has captured the vision and experience of global corporate environmental, health and safety (EHS) and environmental sustainability leaders from diverse business sectors through the development of a wide range of **30+ publicly-available, FREE solutions-based tools** designed to help companies improve the environment, their operations and add business value.

GEMI Member Companies*:



GEMI LWT™ Project Participants**:



***NOTE:** These companies were members of GEMI in 2011 during the development of the tool.

****NOTE:** Unique to this GEMI project is that for the first time, non-member companies were able to participate in the development of a GEMI solution tool as a Project Participant. The **GEMI LWT™** Project Participants listed above participated in the development of the tool, but they are not members of GEMI.

Goals of the **GEMI LWT™**

- Helps companies assess external impacts, business risks, opportunities and manage water-related issues at specific sites
- Provides a common and consistent visualization platform for internal and external communication
- Provides interconnectivity between global and local water risk assessments and a uniform approach between site assessments
- Provides a central repository of information to create reports for internal and external stakeholders

GEMI LWT™ Module Framework / Dashboard

- **Module 1. Site Data:** User enters internal company data and defines Internal Importance Level of Influent Sources and Receiving Waterbodies or Entities
- **Module 2. Local External Conditions:** User reviews external data to define External Stress Severity Levels for 20 Water Issues
- **Module 3. External Impacts Assessment:** User assesses company's external impacts on Influent Sources and Receiving Waterbodies and Entities
- **Module 4. Risk Assessment:** User assesses risks to company through combination of Modules 1 and 2
- **Module 5. Management Plan:** User identifies Current Management Methods, Opportunities, Assesses Sufficiency and Plans for Future
- **Module 6. Reporting Customized to Internal and External Stakeholders:** Optional reporting metrics are generated
- **References, FAQs and Definitions**



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GEMI LWT™: Key Definitions

Impact

Extent to which the volume and/or quality of water used or discharged by an organization in a specific watershed affects the availability of that water for other uses or harms human health or ecosystems in any other way

Organizations with few water impacts may face many water-related risks



Risk

Potential business liabilities faced by site as a result of impacts and external water-related drivers and constraints

Opportunity

Potential top line business enhancements created by voluntary sustainable water management actions



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