

GEMI
Global Environmental
Management Initiative

Collaborating for
sustainable business solutions.

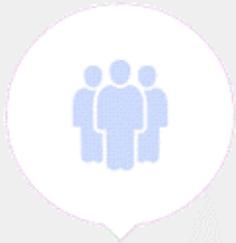
LEARN MORE

www.gemi.org

Vision: GEMI is the global leader in developing insights, networking, and creating collaborative sustainability solutions for business.

Mission: Collaborating for sustainable business solutions.

Strategic Goals: Leadership; Solutions; Meetings



LEADERSHIP



SOLUTIONS



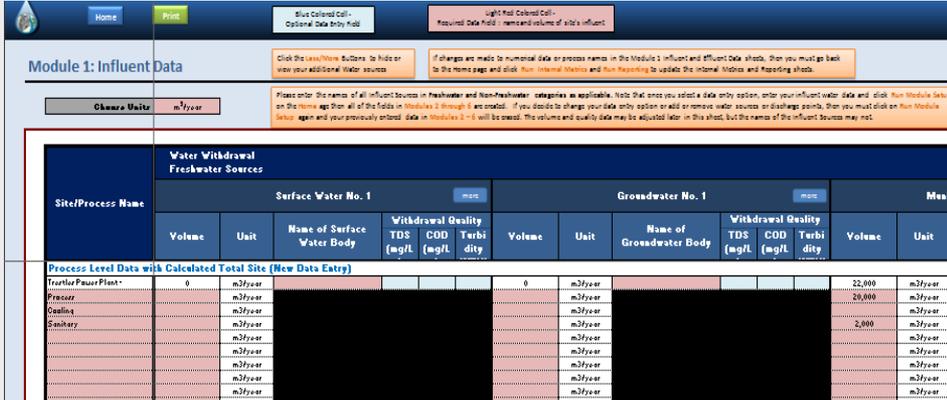
MEETINGS

GEMI is the global leader in developing insights, networking, and creating collaborative sustainability solutions for business.

GEMI's Water Experience

- **[GEMI® Local Water Tool™ \(LWT\)](#)**: 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.
- **[EDF-GEMI WaterMAPP](#)**: a free tool designed to help companies measure and manage water use, optimize building cooling, and build the business case to realize an ROI on water management.
- **[GEMI Collecting the Drops](#)**: a free tool designed to help companies create short- and long-term water sustainability strategies, develop action plans and perform actions to improve water resource management within the operation and community.
- **[GEMI Connecting the Drops](#)**: a free tool to help you better understand and guide your own organization's relationship to water.

- The [GEMI Local Water Tool™ \(LWT\)](#) is a free tool made by a group of 40+ global companies to help them and other companies identify external impacts, business risks, and opportunities related to water use and discharge at a specific site or operation.
- 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.
- Creates a central repository of information to create reports for multiple water questionnaires.



Site/Process Name	Surface Water No. 1				Groundwater No. 1				Municipal	
	Volume	Unit	Name of Surface Water Body	Withdrawal Quality TDS (mg/l) COD (mg/l) Turbidity	Volume	Unit	Name of Groundwater Body	Withdrawal Quality TDS (mg/l) COD (mg/l) Turbidity	Volume	Unit
Trunkline Power Plant	0	m ³ /year			0	m ³ /year			22,000	m ³ /year
Process		m ³ /year				m ³ /year			20,000	m ³ /year
Coalging		m ³ /year				m ³ /year				m ³ /year
Sanitary		m ³ /year				m ³ /year			2,000	m ³ /year
		m ³ /year				m ³ /year				m ³ /year
		m ³ /year				m ³ /year				m ³ /year
		m ³ /year				m ³ /year				m ³ /year
		m ³ /year				m ³ /year				m ³ /year
		m ³ /year				m ³ /year				m ³ /year

Synergy and Compatibility of LWT

- The ***GEMI LWT™*** was developed in cooperation with the WBCSD and its ***Global Water Tool***.
- The ***GEMI LWT™ for Oil and Gas*** was developed in cooperation with the IPIECA and its ***Global Water Tool for Oil and Gas***.
- The tools are mutually compatible and a provider of best practices for sustainable water management at the global, regional, national and local levels.
- Supporting nomenclature, data continuity and software system were developed to be compatible between the GEMI, WBCSD and IPIECA tools to ensure the User's ability to transfer data between the tools.
- References and web links to the respective tools are posted on the three organization's web sites.
- The GEMI, WBCSD and IPIECA water tools are intended for free use by the public and are posted in the public domain.



GEMI[®] **Local Water Tool[™] (LWT)**

How To Use It

The *GEMI Local Water Tool[™] (LWT)* is a free tool made by a group of 40+ global companies to help them and other companies identify the external impacts, business risks, and opportunities related to water use and discharge at a specific site or operation. The information generated in the Local Water Tool may be used by companies for developing management plans and communicating outcomes at their discretion.

Final Tool Version
March 2012

1

<http://gemi.org/localwatertool/how-to-use.html>

GEMI is the global leader in developing insights, networking, and creating collaborative sustainability solutions for business.



- In 2012, EDF and AT&T launched a pilot project to identify opportunities to reduce water and energy use in buildings, with a focus on cooling towers.
- Through the pilot, the initial **WaterMAPP** Tools and Resources were developed to help AT&T and other organizations reduce their water use. The toolkit has the potential to save 28 billion gallons annually if deployed across all U.S. companies.
- Seeing an opportunity to scale, GEMI and EDF collaborated on the redesign, hosting and co-promotion of the [EDF-GEMI WaterMAPP](#) as our joint effort to help organizations reduce water and energy use in buildings.



The [EDF-GEMI Water Management Application \(WaterMAPP\)](#) is a MS Excel-based, multi-tabbed spreadsheet with three complimentary tools:

- The **EDF-GEMI Water Scorecard** helps you assess your company's water efficiency and can be used to create visibility for water performance at facilities.
- The **Water Efficiency Calculator** estimates water and financial savings from cooling tower or free-air cooling improvements -- key data for making the water-efficiency investment business case.
- **Cycles of Concentration Estimator** takes information about your water quality and estimates the recommended maximum Cycles of Concentration (COC)—a key indicator of cooling tower water efficiency—when using chemicals to treat the water. It also helps identify appropriate non-chemical water treatment options to increase the potential COC.

Water Efficiency Webinar with EDF and AT&T

AT&T and Environmental Defense Fund (EDF) developed a free suite of tools that U.S. commercial and industrial sector buildings can use to collectively save up to 28 billion gallons of water annually. Buildings with cooling towers typically use 28% of their daily water use for cooling, and they have the opportunity to reduce that water demand by 14-40% with the Building Water Efficiency toolkit.

Watch the webinar and learn how to:

- Measure and manage water use
- Optimize building cooling
- Build the business case to realize an ROI on water management



www.gemi.org/EDFGEMlwaterMAPP

GEMI is the global leader in developing insights, networking, and creating collaborative sustainability solutions for business.

Contact

Steven Hellem, Executive Director

Phone: 202-296-7449 ext 201

Email: shellem@navista.net

Web site: www.gemi.org

GEMI Water Tools

- GEMI Local Water Tool (LWT): www.gemi.org/localwatertool
- EDF-GEMI WaterMAPP: www.gemi.org/EDFGEMlwaterMAPP/
- Collecting the Drops: <http://waterplanner.gemi.org/index.htm>
- Connecting the Drops: <http://www.gemi.org/water>