



LMI

GOVERNMENT CONSULTING

THE OPPORTUNITY TO MAKE A DIFFERENCE HAS NEVER BEEN GREATER



Trash Free Potomac Watershed Initiative:

LMI's Partnership with the Alice Ferguson Foundation

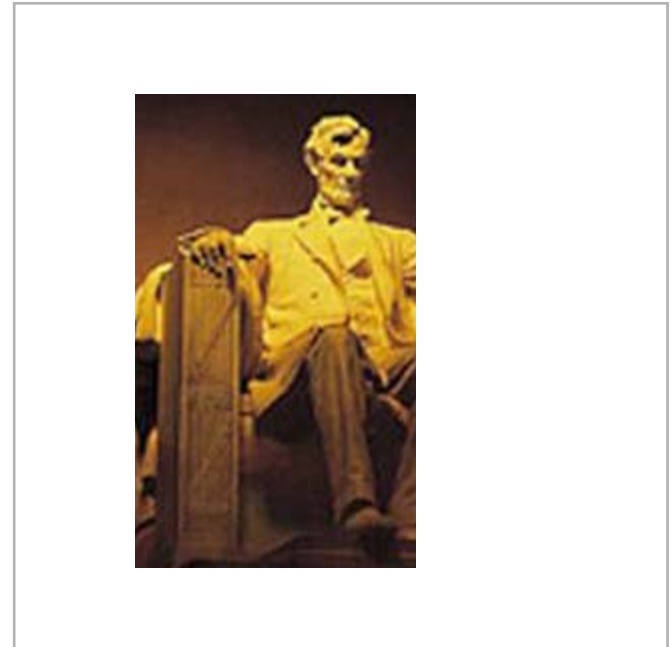
Briefing Outline

- LMI Overview, Business Areas, and Clients
- Partnership with AFF – Trash Free Potomac Watershed Initiative
- E&E Overview - Sustainability and Watershed Management



LMI Government Consulting

- McLean, VA strategic consulting firm founded in 1961
- R&D driven Not-for-Profit (501c3)
 - All revenues go to mission
 - Free of commercial and political bias
 - www.lmi.org
- 550 professionals; \$145mm revenue



Mission: To advance government management



Business Areas

Broad and deep expertise within six mission areas

- Acquisition
- Logistics
- Financial Management
- Information & Technology
- Organizations & Human Capital
- Facilities & Asset Management
 - **Energy and Environment (E&E)**



LMI Clients – The Government



Key E&E Clients

- USEPA Office of Water
- GSA
 - Public Building Service
 - Office of Government-wide Policy
- National Parks Service
- US Army Environmental Center
- US Army Chemical Materials Agency
- Fairfax County, Virginia
- US Army Corps of Engineers
- US Postal Service
- Army Environmental Policy Institute
- DUSD (ES)
- US Navy (NAVFAC)
- Defense Logistics Agency
- Department of Energy



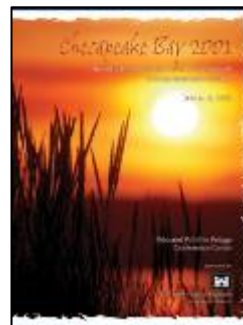
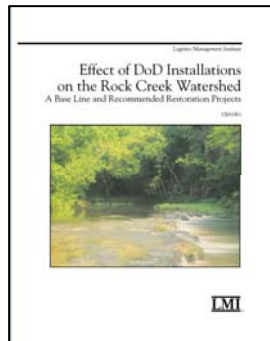
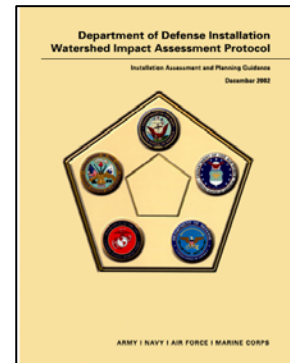
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Sustainable Water Resources Management Approach

LMI applies a sustainability-based, integrated-systems approach to managing water resources, lands, and infrastructure with focus on achieving long-term balance between environmental, economic, and community systems and their relationships.



Developing Sustainability Indicators with Trash Data

- Trash data provides valuable information on:
 - Demographics/population
 - Environment
 - Economic condition
- AFF is gathering data to determine the state of the Potomac watershed:
 - Amount of trash
 - Type of trash
 - Most likely sources of trash

Leveraging Existing Cleanup Data

- Data from cleanups
 - Collected/reported by volunteers
 - Cleanup data collected from 2001-2006
 - 100+ cleanup sites in the Potomac watershed
 - Data includes information on trash collected, for example:
 - Weight, Volume (bags of trash)
- Currently consolidating and analyzing data

This data offers information on the big picture.

Collecting Additional Trash Data

- AFF developing survey to improve knowledge of status of trash in watershed.
- Survey is in pilot stage now – we are planning to expand and improve
 - will conduct pilot March 07

Understanding **what types** and **how much** trash is in the watershed is a critical step in eliminating trash.

Overall Goals of Trash Survey

- To contribute to success of Trash Free Potomac Initiative
- To increase the analytic rigor of AFF's trash data
- To provide defensible information about the state of the Potomac
- To develop indicators for sustainable watersheds

This data will give us information for specific areas or neighborhoods.



Objectives of the Survey

- To answer the question:
 - What types of trash are a problem in the Potomac?
 - Accidental litter (paper pieces, food containers, etc.)
 - Deliberate litter (cigarette butts, drink cans, etc.)
 - Large items (appliances, etc.)
 - Hazardous items (needles, etc.)
- To enable targeted education campaigns
 - Design outreach based on most likely offenders
- To develop a baseline
 - To measure success of the Trash Free Potomac Initiative



Survey Detail

- Study scope
 - 18 sites in the watershed (selected by AFF)
- Data collection
 - To be carried out by volunteers
 - Volunteers will be trained by AFF
- Data analysis
 - To be conducted by AFF
- Results
 - Will be shared with the “trash community” and others

Visible Litter Survey - Field Counts		Hash marks	Total
Site Number		Site 1	
Deliberate Litter			
Beer	Bottles		
	Cans		
Soft Drinks	Bottles		
	Cans		
Water	Plastic		
	Glass		
Wine & Liquor			
Sports Drinks	Plastic		
	Cans		
	Glass		
Juice	Cans		
	Bottles		
Tea	Glass		
	Plastic		
Aseptic (sterile packaging)	Pull tabs		
	Bottle caps, seals		
	Cups, lids, straws		
	Candy, gum sticks, wrappers		
	Take-out food packaging		
Napkins, bags, tissues	Cigarette packs, matches, cigars, tobacco		
Beverage Carriers, Cartons (6-pack rings, etc.)			
Toiletries	Toiletries		
	Drugs		
Other	Games, cassettes, cds		
	Clothing		
	Appliances		
	Misc. Other		
Accidental Litter		-	-

draft survey



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Overview of E&E Sustainability and Watershed Mgmt Experience

- Sustainability Initiatives
- Watershed Projects
- Key Clients
- Specially Developed Methodologies and Tools



Sustainability Initiatives

- Internal program since 1998
- 2006 GSA Report: *Sustainable Enterprise Model Initiative*
- 2005 Executive Forum: *Achieving Environmental Sustainability in Government Operations.*
 - Attendees: OFEE, EPA, DOI, Corps of Engineers, AF, Army, Navy, DOC, GAO, GSA, DOJ, and private industry reps



Sustainability Initiatives, cont.

- Independent Research:
 - Report: *Sustainable Recapitalization Planning for Public Buildings: An Analytical Approach.*
 - GreenCap - Tool for conducting sustainable building audits and sustainable recapitalization planning
 - Report: *Government Sustainability Performance Reporting*
 - Report: *Achieving Sustainability in Government Operations*



Water Resource Management Services

- Our services include such practices as
 - Guidance and Training
 - Facility Watershed Impact Assessment Protocol
 - DoD Watershed Impact Assessment
 - Low Impact Development
 - Water Infrastructure Recapitalization Process
 - Watershed Impact Assessments
 - Comprehensive Watershed Management Plans
 - Facility Watershed Impact and Mitigation Plans
 - Facility Storm Water Pollution Prevention
 - Source Water and Waste Water Vulnerability Assessments
 - Water Conservation Planning



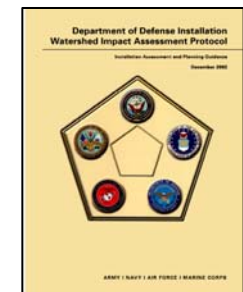
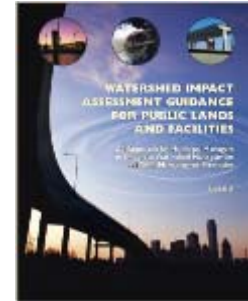
Water Resource Management Services, cont.

- Our services include such practices as
 - Infrastructure Condition Assessment , Planning and Analysis
 - Water Infrastructure Recapitalization Planning
 - Benchmarking Water Services and Infrastructure
 - Low Impact Development and Design Reviews
 - Sustainable Infrastructure Recapitalization Planning
 - Software Development and Information Management
 - Watershed Infrastructure Condition Assessment Model (WI-CAM)
 - Infrastructure Condition Assessment Model (I-CAM)



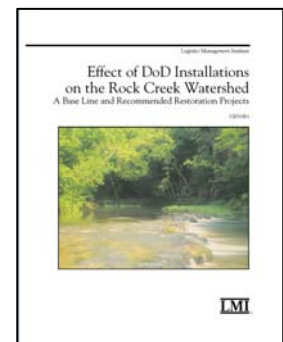
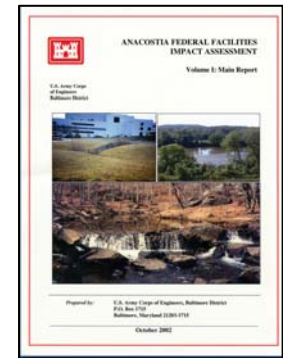
Related Guidance Development

- For US Postal Service
 - Facility Water Resource Management Guide
 - Chesapeake Bay Grounds Management Guide
- For DoD, we developed
 - The DoD Installation Watershed Impact Assessment Protocol
 - Uniform Facility Criteria for Low Impact Development with the LID Center
- For the US Army, we developed
 - Army Installation EMS Implementation Manual
 - Army Installation Guide for Managing Storm Water Permits Associated with Construction Activities
 - US Army Storm Water Permit Implementation Manual
 - AR 200-1 Revision
- Developed with the American Public Works Association (APWA) a Watershed Management Guide for State and Local Managers



Watershed Impact Assessments

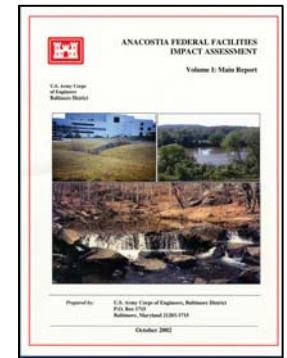
- LMI has conducted Watershed and Storm Water Studies for over 30 DoD and Federal Facilities
 - DoD
 - Fort Stewart, Hunter Airfield, Pueblo Chemical Depot, Newport Chemical Depot, Deseret Chemical Depot, McAllester Army Depot
 - Fort Meade -- Midway Branch Impact and LID Assessment
 - Mayport Naval Station, Beaufort Marine Air Station, Moody Air Force Station



Watershed Impact Assessments, con't

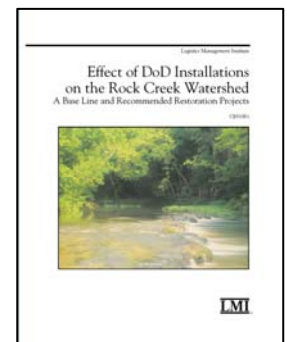
– US Postal Service

- Developed Automated SWPPP/SPCCP Template
- Nutrient Loading Study for the Chesapeake Bay
- Storm Water Management Plans for multiple facilities



– Comprehensive Watershed Studies

- Rock Creek Watershed Impact Assessment and Mitigation Study (Walter Reed, Naval Medical Center, Naval Observatory)
- Anacostia Watershed Federal Facility Impact Assessment and Coordination Studies (22 facilities)



Infrastructure Planning and Analysis

- Potable and Wastewater Infrastructure Recapitalization Modeling for USEPA
 - Potable System Recap Methods and Benchmarks
 - Wastewater System Recap Methods and Benchmarks
 - GIS Decision Support System Assessment
- Sustainable Facility and Infrastructure Planning
 - DOE - External Independent Reviews
 - Sustainable Recap Plans for National Parks Service
 - Developed Green Building Performance Metrics for GSA PBS
- Life-Cycle Cost Analysis for Water Infrastructure



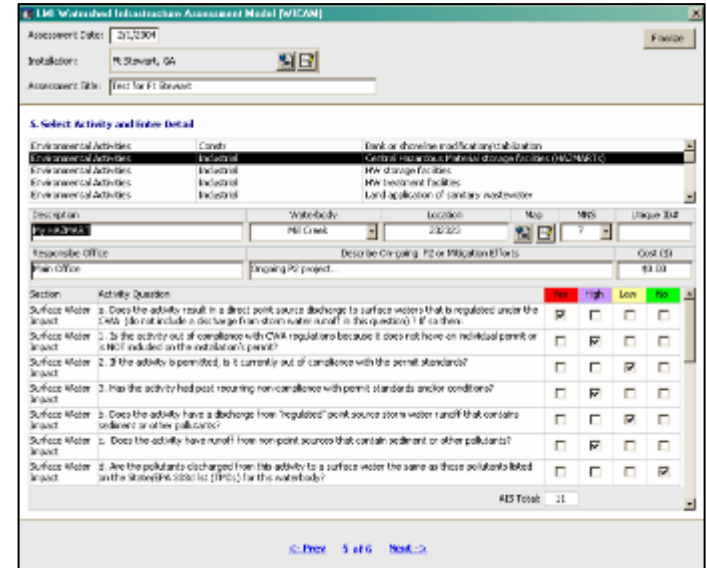
Infrastructure Planning and Analysis, cont.

- Water conservation planning for USPS and DoD
- Storm Water and Spill Planning for USPS and DoD
- Corps of Engineers Seminars
 - Achieving Sustainable Installations
 - Chesapeake 2000 - Integrating Environmental and Facility Management to Create Sustainable Facilities



Software Development and Information Management

- LMI has full service software development and information management services
 - Watershed Infrastructure Condition Assessment Model (WICAM)
 - Developed DoD Legacy Automated Grant Tracker for DUSD (ES)
 - Developed the Health Hazard Risk Assessment Tool for USACHPPM
 - Developed Safety and Health ToolKit for USPS
 - Automates process from data collection using hand held devices
 - Enables local data use with central analysis
 - Enables central access to guides and regulations



LMI Methodologies and Tools

Pioneering new ways to advance government management

Accountability System

Air Carrier Investment Model

Aircraft Sustainability Model

ASSET™ – Automated Source Selection and Evaluation Tool

Business Assessment and Alignment Model

COOPWriter – Automated Planning Tool

Electronic Document Management Tool Kit

E-SPR – e-Business Systems Evaluation Tool

GANs – General Activity Networks

•CAM – Infrastructure Condition Assessment Model

IMAP – Installation Managerial Accounting Program

I-PASS™ – Supply Chain Performance

LEAP™ – LMI Enterprise Architecture Practice

INDEPTH – IV&V Methodology

LMINET – National Airspace System Model

LQM – Financial System Qualification Model

OPAS – Organizational Performance Model

PBSA Action Workshops

PHAST™ – Primary Health Assets Staging Tool

PRE™ – Program Risk Evaluation Tool

Prime-Choice™ – Decision Support Tool

Rayleigh Analyzer™

Safety Occupational Health Tools

SCOP – Supply Chain Operational Performance Evaluation

SMS – Strategy Management System

Watershed Assessment

Workforce Planner



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ACQUISITION • FACILITIES & ASSET MANAGEMENT • FINANCIAL MANAGEMENT •
INFORMATION & TECHNOLOGY • LOGISTICS • ORGANIZATIONS & HUMAN CAPITAL

