



Sustainable Design Toolkit



Protect. Preserve. Restore.

Use the sustainable Design Toolkit to:

- Identify design strategies for future development site or the entire installation
- Use interactive evaluation tools to calculate your sustainability factor
- Learn how to apply strategies that will support compliance with Federal mandates such as the EISA 07, EPA Act 05 and EO 13423
- Expand your sustainable vocabulary and work as a holistic design team

Target Audience

- Landscape Architects
- Community Planners
- Contracting Officers
- Project Programmers
- Project Managers
- Team LEED AP

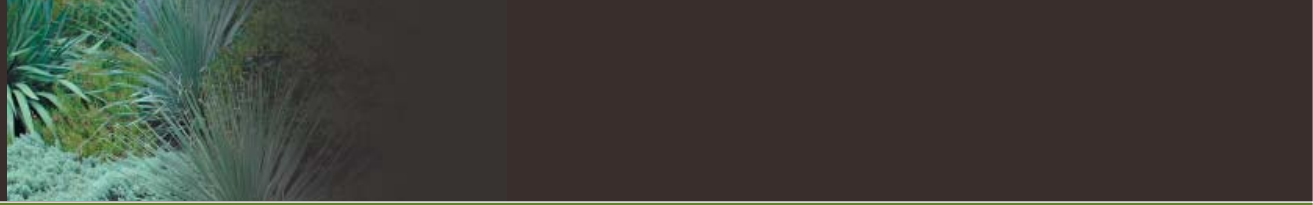
A sustainable site plan requires a collective approach involving all project team members and stakeholders.

The Sustainable Site Design Toolkit has been created as a one-stop resource for this target audience as a terminology reference, evaluation tool, return on investment calculator, policy library and much more.

The highly graphic and interactive content is targeted for any and all levels of expertise. This ensures a common platform for personnel to clearly communicate goals and meet objectives through the strategies presented. From planning to programming through design and construction, this toolkit will prove invaluable to making informed decisions with regard to the sustainability value of a project site and the installation as a whole.



Toolkit Resources



Design Strategies

A quick reference to common sustainable strategies that may benefit your site. This highly graphic, educational resource removes the mystery of sustainable design by providing a succinct list of alternatives with corresponding benefits and policy links.

Design Evaluation

An interactive site design assessment steps the user through each design strategy with a resulting score that represents potential LEED points and over-all sustainability rating. A typical Air Force site graphically changes to illustrate each design strategy implemented. The resulting evaluation report can be printed to show the score, final site graphic and any commentary per strategy.

ROI

Simple interactive calculations are accessible from this page to estimate a return on investment for each sustainable strategy.

LEED® Guidance

Prerequisite and credit requirements can be found in this section. This information is cross-referenced as pop-up links within each design strategy where it may apply.

Glossary

A compilation of terms related to sustainable design and planning. These plain language definitions are also linked throughout the toolkit to support varying levels of expertise

Policy Library

A collection of Unified Facility Criteria, Executive Orders, AF Handbooks, AF Instruction, and AF Design Guides. Policy that is relevant to a specific design strategy can be found listed at the bottom of the page as another simple cross-reference.

Asset Management

An overview of the interdisciplinary philosophy governing the utilization, investment, and management of Air Force assets.

Air Force Business Lines

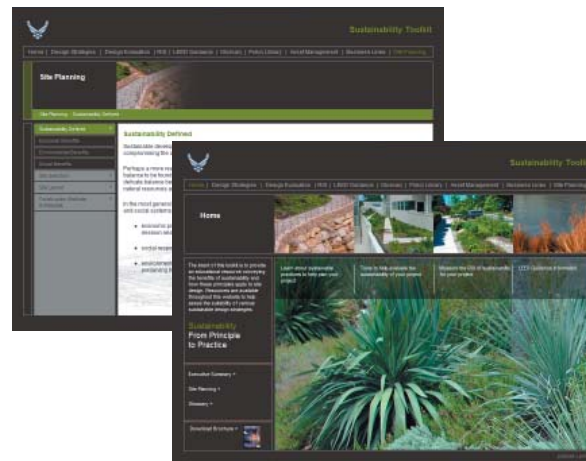
An overview of the functional areas within which Subject Matter Experts (SMEs) for Civil Engineering are organized.

Site Planning

An educational resource to guide site selection and layout alternatives that will maximize sustainability of a site or installation as a whole.

Sustainability Is:

- Recognizing the direct and indirect impacts of Air Force operations on resources
- Achieving better understanding of the full measure of resources needed in the present and the future to ensure the successful conduct of Air Force operations
- Taking action by planning, designing and executing mission requirements in a manner that provides for the long-term sustainability of operations in the face of constrained resources



web address

Sustainable Development

Sustainable development achieves harmony between human development and natural systems by efficiently using existing built environments and integrating new development with the natural context. The Sustainable Design Toolkit presents practical and actionable strategies for sustainable development as we strive for a no-net loss of natural resources.