



Sustain the Mission, Secure the Future

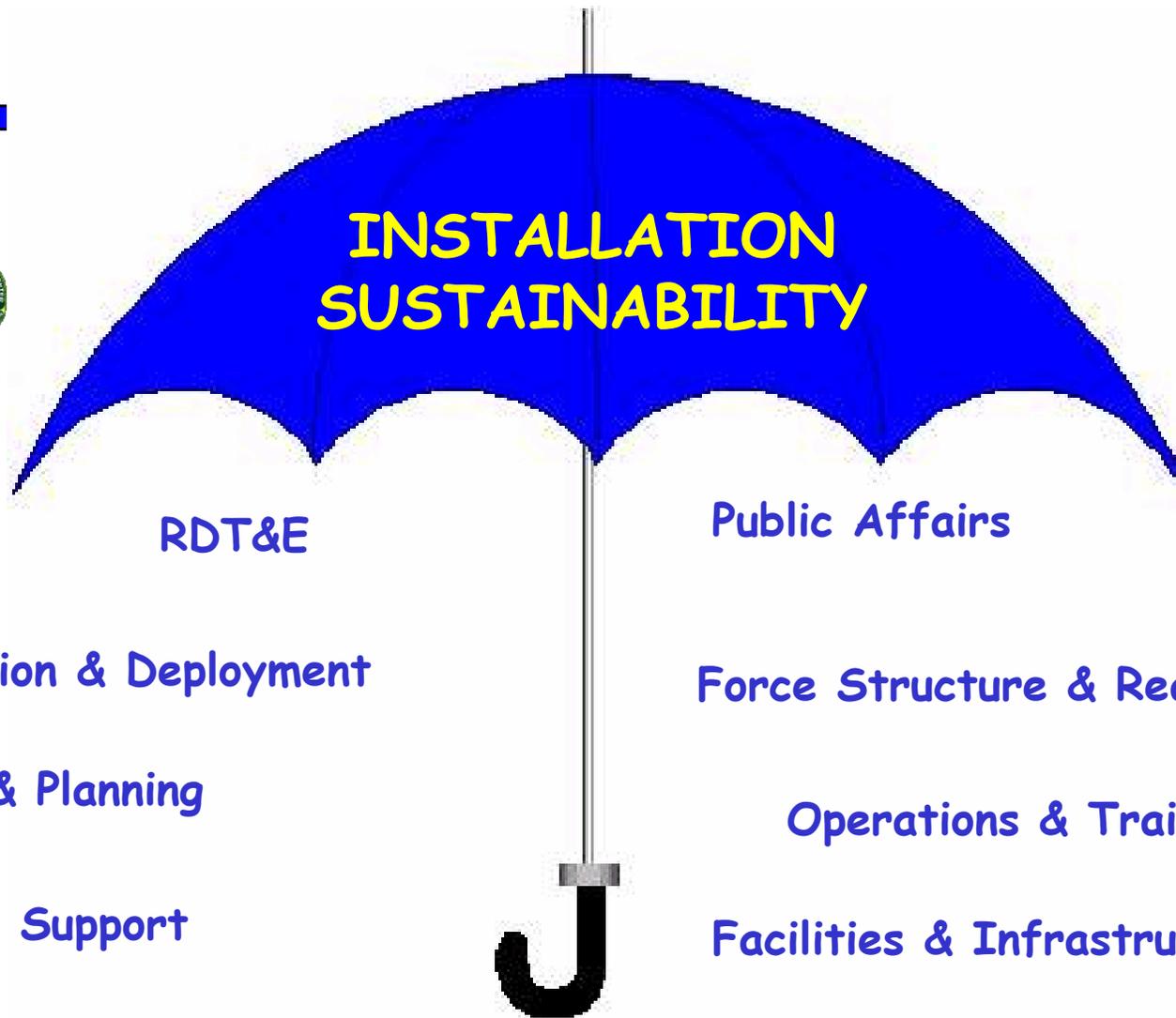


Sharing Future Space

A Strategy for Today's & Tomorrow's Soldier

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INSTALLATION SUSTAINABILITY

RDT&E

Public Affairs

Mobilization & Deployment

Force Structure & Readiness

Doctrine & Planning

Operations & Training

Logistics Support

Facilities & Infrastructure

Industrial Operations

Health & Medical

Base Operations

Systems Acquisition

Transportation

Sustain the Mission, Secure the Future





Sustain the Mission, Secure the Future



Foster a Sustainability Ethic

Meet Test, Training and Mission Requirements

Strengthen Army Operations

Minimize Impacts and Total Ownership Costs

Enhance Well-Being

Drive Innovation

“Triple Bottom Line”



Installations as a platform



Worth 1000.com



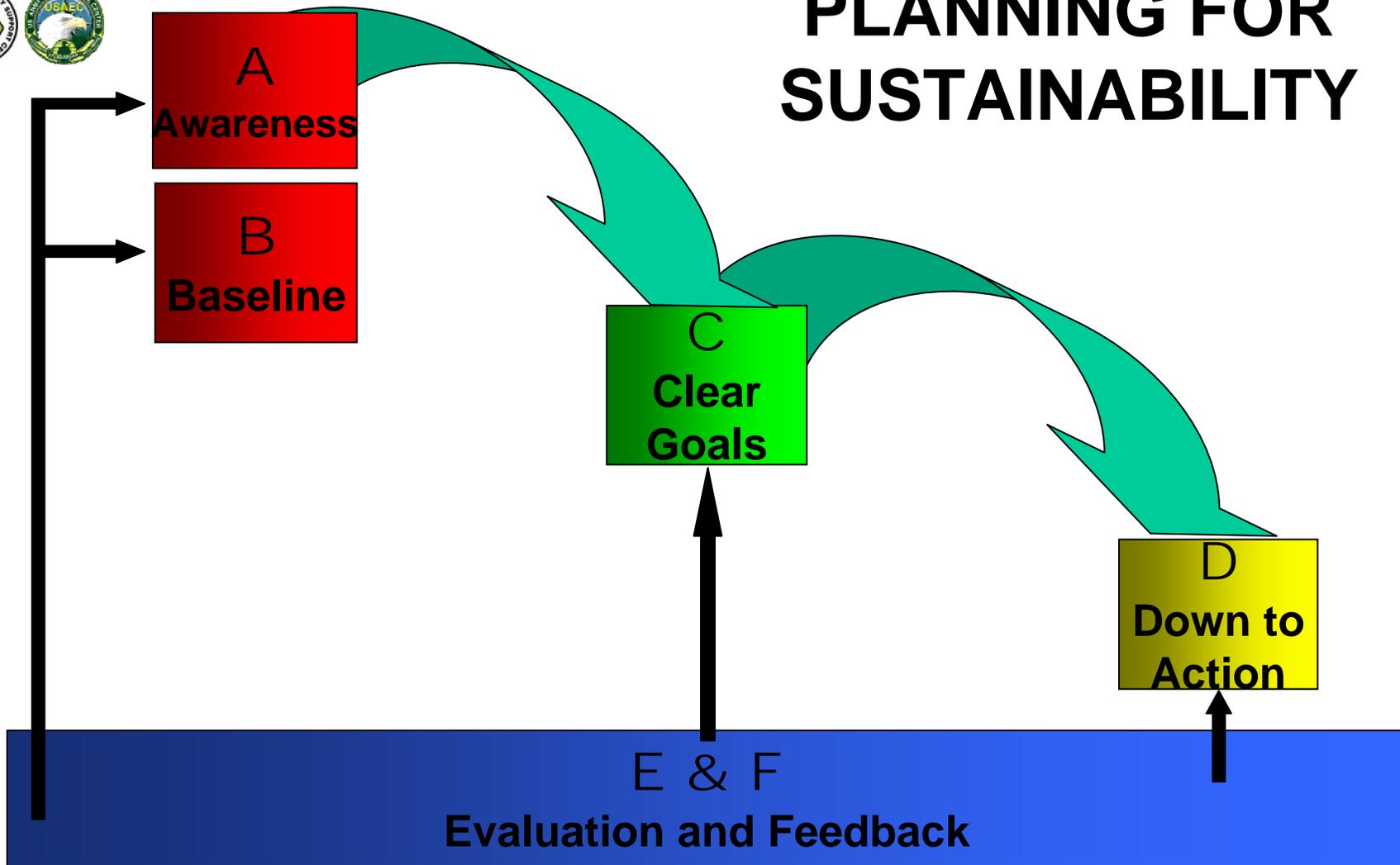
Tremendous progress in institutionalizing installation sustainability at leadership level



- ASE strategic plan being worked
- Army sustainability video
- Army sustainability working group
- Army Energy Strategy – to infinity and beyond
- Installation Status Report – Natural Infrastructure
- UVA “Army Sustainability and Beyond” course
- Army sustainability website launched
- NDCEE SII effort to identify technology needs
- Regional planning initiatives: SERPAS and SSA
- IMA “Strategic Planning for Sustainability” model
- “The Guide” finally released!!!!



IMA STRATEGIC PLANNING FOR SUSTAINABILITY





Infrastructure – DPW lead



- **Goals**

- Facilities – meet platinum SPiRiT/LEED standards
- Energy – renewable, secure energy
- Water – reduce use, improve quality

- **Potential demonstration projects**

- reuse of modular buildings - NDCEE
- performance of “green” buildings – ESTCP proposal
- better, cheaper erosion control – LID for ranges
- large scale on-site grey water multi-reuse
- hydrogen production from wastewater – Penn State
- Micro-Grid renewable energy – Savannah River NL



Infrastructure – DPW lead



- **Progress**
 - Fort Bragg opens first “Gold” facility – at no additional first cost – 4 more under construction
 - Forts Carson and Bragg reduce potable water use 40%



Military Training Land Management DPTM lead



- **Goals**

- optimize use of existing training lands
- create easements/buffers around fencelines

- **Potential demonstration projects**

- landfill mining
- wide area UXO identification/discrimination
- UXO tagging/tracking – remote identification – Navy
- portable enclosed alternatives to OB/OD – Navy
- clean up of active ranges to allow multiple use
- infrared monitoring/tracking of endangered species
- on-site range scrap recycling – 29 Palms

- **Progress**

- CERL urban development scenario tool released



Transportation – DOL Lead



- **Goals**

- reliable and convenient (reduced congestion)
- secure
- clean (emission-free), renewable fuels

- **Potential Demonstration Projects**

- integrated installation-community transportation planning

- **Progress**

- **AAFES** selling E85 at Fort Benning!!!!
- Initial talks between Fort Lewis and Conoco-Phillips
- Many alt fuels in use at many installations



Procurement – DOL/DOC lead

Goals

- cyclable non-toxic local materials
- zero waste
- Potential demonstration projects
 - Waste to energy – DOE Savannah River, MISER
 - deconstruction of concrete/masonry buildings
 - closed loop purchasing of furniture, bedding
 - biomass to energy
 - waste to ...
- Progress
 - “Braggdad” built
 - Initial meeting with Sustainable Business Council
 - SERO has almost-zero waste picnic in 05!!
 - ACSIM to follow suit in 06!!





Regional Planning



- **Goals**

- regional planning across fencelines and jurisdictions
- compatible land use
- regional education

- **ACTUAL Demonstration projects**

- SERPAS four-state initiative – OSD
- National Association of Counties curriculum for military and county planners – OSD
- Strategic Sustainability Assessment – AEPI

- **Progress**

- Sustainable Sandhills becomes non-profit!!



What Next?

- Support sustainability planning at 12 remaining “Cat 1” installations
- Systematically align dem/val opportunities, partners
 - Army, OSD, DOE, USDA, industry
- Invest in learning curve – *drive innovation*
- Develop sustainability dashboard
- Morph EMS to Sustainability Management Systems

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Installation Sustainability



...for the Soldier – today's and tomorrow's