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Army Sustainability Committee (ASC) Meeting Minutes

29 June 2006

Welcome and Opening Remarks

COL Jeff Phillips (ODEP) began by welcoming members to the meeting and reviewing the agenda (Enclosure 1). Lisa Trembly (ODEP) introduced COL Charlie Hart, representing the Army and Air Force Exchange Service (AAFES), who was in town on other business and was welcomed as a first time attendee.

Chris Werle (LMI) asked all attendees to mark the attendance sheet (Enclosure 2) and make necessary corrections to the listed contact information.

Review 27 April 2006 Meeting Minutes

COL Phillips next asked the group if any changes were needed to the minutes from the 27 April 2006 meeting. Doug Warnock noted that the minutes should be corrected to reflect that ASC meetings are to be held on the last Thursday of each even numbered month, rather than the 4th Thursday. Chris Werle indicated the correction had already been made. No one had any further comments at this time, so the group approved the minutes with no additional changes. LMI will ensure that the final minutes are posted to the Army sustainability website.

Other ASC members then updated the group as listed on the agenda: old business, new business, and wrap-up.

Old Business

Army Sustainability Video Distribution Status

Ed Engbert (AEC) noted that ODEP/AEC developed a campaign plan for distributing the approximately 1,000 DVDs that were initially produced. About 60 copies were distributed to people who helped with production of the video, and some were also distributed at conferences. The formal transmittal memo is currently working its way up to the SA/CSA for signature. The memo is now at the front office undergoing final review and is expected to be signed in about two weeks. AEC is holding and will distribute the remaining 650 copies of the video once the memo has been signed. The distribution package will include the memo, DVD, and a copy of the Army Strategy for the Environment (ASE). They would also like to include a copy of the Army Sustainability Update 2006 brochure if it is completed and printed in time.

COL Phillips noted that anyone can go to the Defense Visual Information Center (DVIC) to obtain a copy of the DVD now; however, he does not want to advertise this – we want to wait until the formal transmittal memo is ready. The public will also be able to view

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the video on the public access portion of the Army sustainability website (<http://www.sustainability.army.mil>) either as a web streaming application or MPEG video. IMCEN has finished building the server and everything is ready to go with a push of a button once the formal transmittal memo is signed.

Most of the remaining DVDs will be sent on initial distribution to Garrison Commanders. ODEP will order 5,000 additional copies for later distribution. COL Phillips noted however that while he has a budget line for this, he does not have cash available to spend yet, so we will have to wait a bit longer. It takes about six weeks from the time of order until receipt of the DVDs. Also, it appears that some government computers will not play the DVD because of software compatibility problems, but this problem should be corrected in the near future.

COL Phillips also stressed that it has been challenging to get the SA/CSA signatures on the transmittal memo, but it will have been worth the effort. He briefed the new ACSIM (MG Wilson) yesterday and he was very impressed. He also showed the video to German technical exchange staff who agreed that it was great. Sweden and Germany have both asked about the sustainability website, as has the Navy's Postgraduate School. All would like to learn more about the website and how it was developed.

MAJ Jason Hamby (NGB-ARNG) asked if we will be submitting the video for any awards, such as the Tellus Networks or Pegasus awards. COL Phillips indicated that we would pursue them. Doug Warnock will coordinate with MAJ Hamby to obtain more detailed information about nomination requirements and submission procedures.

Army Environmental Training Symposium 2006 Sustainability Summary

COL Phillips asked attendees who may have attended the 2006 Environmental Training Symposium in Kansas City to briefly highlight sustainability content. John Fittipaldi (AEPI) stated that he presented two 2-hour briefings on emerging environmental issues, and also vetted the objectives and sub-objectives from the draft ASE strategic plan with a number of installation staff and support contractors. In the latter instance, he captured their feedback and AEPI staff members are reconciling that with the draft strategic plan. Ed Engbert noted that he showed the sustainability video two times with about 50 people attending in total. AEC also handed out copies of the DVD to attendees.

COL Phillips noted that you should do a dry run with the DVD before showing it to large audiences, especially if you are using a small laptop computer to play it. Experience to date indicates that small computers may not have enough volume or power to play the video correctly. Additionally, if you do not have the correct software to run the video you may have a situation where the sound gets out of synch with the picture. John Fittipaldi also pointed out that about one-third of the attendees at his sessions indicated they had heard about the ASE, which was a pretty good percentage.

Army Installation Management Institute (IMI) 2007 Status Update

COL Phillips next updated the group on the status of planning for the 2007 IMI that will be held in Atlanta, GA in January 2007. He began by noting that 2007 will be a

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transition year in which IMA will assume responsibility for executing the IMI, while ODEP Plans and Operations Division will help out with planning. In 2008 IMA will assume full responsibility for both planning and execution.

As with last year's conference, ODEP will again host a formal sustainability track. During July, all O-6 instructors will be assembled to review last year's results in order to determine how we can improve on it for 2007 (e.g., add practical exercises). The sustainability track will also receive more slots this year (up to 80). CeCelia (Cece) DeShazor in ODEP will coordinate the effort. As with last year, the sustainability track will consist of 32 hours of instruction, and it will offer a plug and play menu so that attendees can mix up the classes in their session schedules.

Doug Warnock asked the group if anyone had any ideas for incorporating practical exercises this year. All were asked to contact Doug directly if something comes to mind. A schedule/timeline for instructors to submit presentations will be forthcoming. COL Phillips also asked for suggestions regarding any new courses that should be added.

ASE Strategic Plan Development Update

Karen Baker (AEPI) next updated the group on the status of development of the ASE Strategic Plan. Karen, Tad McCall, and Troy Meadows have worked very hard on finalizing the draft strategic plan over the last three months. At the end of April, GO/SES attendees at the Darden Executive training session on sustainability had a chance to review the draft plan. They indicated that it was nice to finally be talking about **how** we should do this rather than just **when**, indicating that this is a key component of transformation.

This initial version of the strategic plan will link its objectives to the 19 objectives the larger Army is working on. Karen suggested that everyone read Enclosure 17 to the Army Game Plan (<http://www.army.mil/features/2006ArmyGamePlan/>), which explains the Army's strategic views on sustainability. The Army Posture Statement (<http://www.army.mil/aps/>) also presents a new information paper on sustainability. The key here is that sustainability is now an integral part of the Army's strategic vision documents.

The next draft of the strategic plan will incorporate everyone's comments. It is shorter than the last draft and includes 9 objectives as well as short, mid-, and long-term targets. It does not provide much detail on how to do things – we envision that many more detailed implementation plans will be developed in follow on. The strategic plan is meant to force collaboration and cooperation across the Army. It is a living document that will be updated as needed. For example, one objective is to reduce the use of fossil fuels. It does not say how we will do it, but it does offer guidelines and/or suggestions for where we should look for solutions. The plan also has measurable targets and due dates.

COL Phillips noted that we are still putting the final touches on the strategic plan, then it will go to Mr. Davis for review, and finally over to the SA for signature. He asked what

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the time line will be for finalizing the document. Karen noted that after Mr. Davis reviews and provides comments on the draft, he will send it to the Darden Executive group for feedback, as well as to all those who participated in the collaboration forum. She expects to hand the document off to Carl Scott in about 30 days for him to start the formal ARSTAF coordination process. She already conducted an industry forum to solicit feedback, and still needs to hold an NGO forum for input.

Leslie Walrath (ODEP) pointed out that she now has the final set of ISR-NI standards completed, which include sustainability standards. She still needs to formally staff them, but wants to check one last time to ensure they support the strategic plan before she sends them out for coordination. Leslie summarized development of the new standards by noting she has consolidated comments from the 9 installations that participated in the validation testing. The new standards include an expanded auto-population feature, and users can see all comments up front along with the language for the revised standards. All training and range standards will need G-3 validation because G-3 data will be use to auto-populate many of them. She will begin working next on airspace.

Leslie briefed Dr. Craig College (DACSIM) this past week on the revised ISR-NI, noting that it meets Army and OSD requirements, and that the Air Force will adopt the new Army standards in their entirety. The important thing now is to take the time needed to complete coordination and ensure that things are done correctly. The AAR is scheduled for 17 Jul 06, but may have to be rescheduled due to the continuing travel moratorium. COL Phillips said he won't be surprised if the AAR is pushed back into FY07.

New Business

National Defense Center for Environmental Excellence (NDCEE) Technology Transfer Update

Mark Hampton (AEC) provided an update on progress made during 2006 NDCEE technology transfer installation site visits (Enclosure 3). He began by stating the NDCEE was set up in 1990 by Congressional action, and the Army runs it as DOD Executive Agent. NDCEE is a field test level organization that tests technologies across all pillars. It is run by a contractor (Concurrent Technologies Corporation - CTC) who is overseen by a government head. Each task is assigned a government technology monitor, while CTC does the work. The Army provides \$5 million in funding for NDCEE operations (of which \$2.5 million is earmarked for Army projects), and Congress provides another \$50 million in adds.

The current effort is in follow on to 2005 site visits at 6 installations. Objectives are to define environmental technology requirements at up to 10 representative installations, match available technology to installation requirements, and to perform demonstration and validation testing of up to two technologies that provide the best payback for DOD.

Thus far the project has determined the five top technology focus areas (SW diversion, HAP/VOC reduction, water conservation, industrial cleaning, and alternative

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fuels/energy systems), identified more than 350 technology solutions, and prioritized the top 18 installations for potential application of technology solutions.

Mark also noted that the project resulted in development of two training courses (one on biodiesel and one on composting) for presentation at the Army's Environmental Training Symposium. COL Phillips asked that this be included on the agenda for further discussion at the August ASC meeting.

Mark emphasized that collaboration on sustainability needs addresses installation requirements, provides direct support to installations, supports Army sustainability goals and objectives, and also supports preparations for BRAC implementation. Leslie Walrath asked how the identified technology needs data will feed the Army Environmental Requirements Technology Assessment (AERTA) process. Dr. College recently signed the memo revalidating AERTA, and EQT requirements will be revalidated in FY07 in time to meet the next POM cycle. The focus will be on sustainable infrastructure, involving the entire technology community with lots of cross-functional collaboration to make sure we do things correctly. More detailed information on the AERTA revalidation process will be forthcoming in the next week or so.

Karen Baker asked if commercial off the shelf (COTS) technology is available to meet installation needs. Leslie stated that it is and that it can usually be made available more quickly than the R&D cycle permits; however, in most cases the COTS have to be tailored to meet site specific requirements. The intent is to make sure AERTA meets Army needs in a timely manner.

Mark emphasized the importance of collaboration to support technology implementation. He noted that 3-5 NDCEE tasks can complete 7-9 technology demonstrations and/or validations over the next 1 to 1-1/2 years. He would like to get ideas from ASC members for new technologies and specific installations to work with to adopt the technologies. Note that this is not restricted to just active installations; the NGB-ARNG can also participate, even though none of its installations were included on the top 15 priority list. He also noted that last year no sustainability projects made it into the top 10 list. Leslie emphasized that we want to use Army strategic goals as drivers to get sustainability projects funded.

COL Phillips pointed out that the FY06-11 Installations Program Evaluation Group (II PEG) validated EQT requirements, but did not fund them. For the FY08-13 POM, requirements have also been validated, but no decision has yet been made regarding funding. To resolve this problem we need to look at this from an Army corporate perspective, rather than installation by installation. That way new technology will receive funding and be added to authorization documents. We need to talk to the G-4 to stress the point that we cannot continue to go around fixing one installation at a time. Instead, we need to push a corporate technology approach that will provide Army solutions rather than installation solutions.

Ed Engbert noted that Congressional add funding may come down earmarked for specific installations. If that happens, we could use NDCEE funding to prove that new technologies work; then we could take corporate action to field it to all installations. In

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other words, the installations will provide the business case to move forward corporately. Leslie emphasized that the AERTA process provides the requisite business case.

COL Phillips then asked the group if anyone had any other new business to discuss. Carl Scott (ODASA(ESOH)), pointed out that he and John Fittipaldi are looking at a higher resolution version of GIS software called GeoBase (similar to Google Earth) that offers 3-dimensional viewing and 4 inch resolution. The Air Force has already begun fielding the software, which pulls GIS and multiple sources of technical data together to provide a very useful tool for quickly performing different types of analysis. Carl indicated he will send out more information on it to the group.

COL Charlie Hart (AAFES) expressed his appreciation for being allowed to attend the meeting. He was in town to meet with Army energy managers and John Scharl in ACSIM facilities on related issues. He pointed out that we already seem to have built a lot of unsustainable infrastructure – we are unable to pick up trash in Hawaii and can't pay our utility bills in Texas. He is concerned about trying to implement BRAC too quickly and putting up new construction without taking the time to think about the consequences of what we are doing. COL Phillips wants to have COL Hart come back to discuss his concerns at a future ASC meeting.

LTC Mike Speth (NGB-ARNG) noted that COL Jim Walter wants to initiate a sustainability pilot project at a State installation. Kevin Palmer from SAIC recently presented a concept for doing this. He also noted that Kevin will be leaving SAIC in the near future to start up a not-for-profit organization dedicated to promoting sustainability.

Wrap-up and Next Meeting

COL Phillips thanked the attendees for their participation and reminded everyone that the next meeting will be held on 31 August 06, from 1300-1500 in the same building location (Presidential Towers) with the room number to be determined.

He would like to have COL Hart attend the next meeting to continue the discussion about his concerns. He would also like to have Mark Hampton come back to provide more information about the two training courses the NDCEE developed for the Environmental Training Symposium. Additionally, he would like for all ASC members to be thinking about how we can best integrate sustainability principles into USAES, AMSC, and other formal Army school programs of instruction.

There being no further business, the meeting adjourned at 1500.

Enclosures:

- 1 – Agenda
- 2 – Attendees
- 3 – NDCEE Technology Transfer Presentation

Enclosure 1 – Agenda

Army Sustainability Committee Meeting Agenda
Presidential Tower Conference Room PT1100A (1st Floor)
Presidential Towers, Crystal City, VA

Thursday, 29 June 2006
1300-1500 hrs

Call in # 410-436-1000 (code 0982)

1300 – 1305	Welcome/Opening Remarks	COL Phillips
1305 – 1310	Review April 2006 Meeting Minutes	COL Phillips/All
1310 – 1400	Old Business	
	a. Sustainability Video Distribution Status	Ed Engbert
	b. Environmental Training Symposium 2006 Sustainability Track Summary	COL Phillips
	c. Jan 07 IMI Sustainability Planning Update	COL Phillips
	d. ASE Strategic Plan Update	Karen Baker
	e. Other	COL Phillips/All
1400 – 1440	New Business	
	a. AEC/NDCEE Tech Transfer	Mark Hampton
	b. Other	COL Phillips/All
1440 – 1500	Wrap-up, assign tasks/schedule, and set next meeting date	COL Phillips

The purposes of this meeting are to:

- 1) update the ASC on issues raised at last meeting;
- 2) update the ASC on distribution of the Sustainability Video;
- 3) update the ASC on sustainability training at the 2006 Environmental Training Symposium
- 4) discuss status of sustainability planning for next year's IMI;
- 5) update the ASC on the status of the ASE Strategic Plan;
- 6) discuss AEC/NDCEE technology transfer;
- 7) identify further tasks the ASC should undertake in support of installation sustainability and assign responsibility for achieving them.

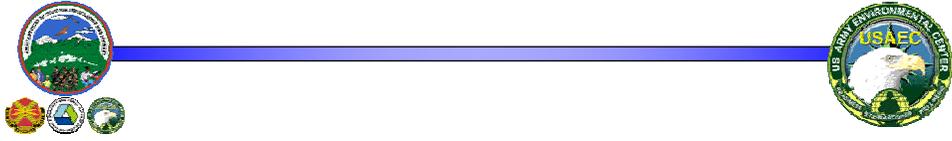
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Enclosure 2 - ASC Meeting Attendees (29 Jun 06)

	Name	Organization	Phone	Email address
X	Baker, Karen	AEPI	703-604-2300	Karen.baker@us.army.mil
	Breitenfeldt, Rick	NGB	703-607-2575	Rick.Breitenfeldt@ngb.army.mil
	Brewer, Greg	ACSIM-MD	703-601-2541	gregory.brewer@hqda.army.mil
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X	Dagovitz, Rachel	IMA-ENV	703-602-3382	Rachel.dagovitz@hqda.army.mil
	Dickshinski, Jeff	LMI	703-917-7311	jdickshinski@lmi.org
	Eady, David	CTC	678-570-9030	eadyd@ctc.com
	Ellor, Jim	ASA(ALT) SAAL-PE	703-806-9237	James.a.ellor@us.army.mil
X	Engbert, Edward	USAEC (SFIM-AEC-AT)	410-436-6866	Edward.engbert@us.army.mil
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X	Evenstad, Kristin	G-3 (DAMO-TRS)	703-697-6427	Kristin.evenstad@hqda.army.mil
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	Giffin, Dave	USAEC	410-436-2527	Dave.giffin@us.army.mil
	Hall, Chaela	USAEC	410-436-7071	Chaela.Hall@us.army.mil
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X	Hamby, MAJ Jason	IMA-NGB-LNO	703-602-5340	Jason.hamby@hqda.army.mil
	Hassell, Leonard	OASA(I&E)	703-697-8162	Leonard.Hassell@hqda.army.mil
	Jackson, Dan	LMI Support	703-917-7566	djackson@lmi.org
	Jessup, Philip	HQ, IMA	703-602-3337	Philip.jessup@hqda.army.mil
	Juhasz, Don	ACSIM-FDF-U	703-601-0374	Don.juhasz@hqda.army.mil
	Lichtenstein, Mark	G-3/BAH	443-465-0764	Lichtenstein_mark@bah.com
	Lowe, Stan	AMC	703-806-8726	lowes@hqda.army.mil
X	Lyon, David	G-4	703-614-3762	David.Lyon@hqda.army.mil
X	McCall, Tad	AEPI	703-604-2321	Tad.McCall@hqda.army.mil
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X	Phillips, COL Jeffrey G.	ACSIM-ODEP	703-601-1933	Jeffrey.phillips2@hqda.army.mil
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	Robertson, Beverley	IMA-Plans	703-602-2491	beverley.robertson@hqda.army.mil
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	Schroeder, J. Bob	ODEP	703-601-1586	Joe.Schroeder@hqda.army.mil
	Sciascia, Richard	HQ, IMA Operations	703-602-4366	Richard.sciascia@hqda.army.mil
X	Scott, Carl	SAIE-ESOH	703-614-8464	Carl.scott@hqda.army.mil
	Shakeshaft, Bob	USAEC	410-436-1222	Robert.Shakeshaft@us.army.mil
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X	Speth, LTC Michael	NGB-ARNG	703-607-7991	Mike.speth@us.army.mil
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X	Trembly, Lisa	ODEP	703-601-1586	Lisa.trembly@hqda.army.mil
	Vandervort, Joan D.	G-3 (DAMO-TRS)	703-692-6445	Joan.db.vandervort@us.army.mil
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	Vojnovich, Brian	IMA Operations, Training	703-602-4698	vladimir.voynovich@hqda.army.mil
X	Walrath, Leslie	ODEP	703-601-1962	Leslie.walrath@hqda.army.mil
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	Wiggins, Phyllis	G-3/5/7	703-692-7822	Phyllis.wiggins@hqda.army.mil
	Willis, LTC Jeffery	USALSA	703-696-1592	Jeffrey.willis@hqda.army.mil
	Yale, CPT Rob	ELD	703-696-1569	yalerc@hqda.army.mil
X	Hart, COL Charlie	AAFES	214-312-2107	harted@aafes.com
X	Hampton, Mark	USAEC (SFIM-AEC-ATT)	410-436-6852	Mark.hampton@us.army.mil



NDCEE Technology Transfer Installation Visits

Mark Hampton
USAEC
29 Jun 06

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NDCEE Tech Transfer Installation Visits



Background

- Continuation of work from previous Technology Transfer Task:
 - Identified technologies in four technology transfer areas
 - Conducted site visits to 6 Army installations to identify needs and recommend technology solutions
 - Provided technology and marketing outreach assistance to Services (fact sheets, application assessments, etc.)
 - Produced 2 Technology Transfer Implementation Plans and Technology Marketing/Data Packages (WD-CARC and composting)
 - Produced NDCEE Technology Transfer Model

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NDCEE Tech Transfer Installation Visits



2005 Technology Transfer Site Visits

- Initiated through REOs, coordinated with IMA Regional Offices

Radford AAP	25-27 Jan 05
Ft. Lewis	7-11 Feb 05
Ft. Hood	22-25 Feb 05
Ft. Bliss	1-4 Mar 05
Ft. Carson	29-31 Mar 05
Ft. Stewart	5-7 Apr 05

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NDCEE Tech Transfer Installation Visits



On-Site Tech Transfer Actions

- Improve understanding of installation's environmental challenges
- Provide information on available technology solutions
- Gather more specific data for to a potential solution
 - Equipment installation, operation, training, long-term maintenance
- Share success stories/lessons learned
- Work with installation personnel who can implement changes
- Follow up with:
 - Trip Reports including product info & POCs
 - Technology Transfer Implementation Plans (2 sites)

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NDCEE Tech Transfer Installation Visits



Current Project Objectives

- Fully define environmental technology requirements at up to 10 representative installations
- Match available technology solutions to installation environmental needs
- Perform demonstration and validation testing of up to two technologies that provide the best payback for the DoD

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NDCEE Tech Transfer Installation Visits



Determine Technology Needs

- Identify 4-6 Technology Focus Areas
 - Develop technology assessments for each area
- Conduct Technology Transfer Visits
 - Prioritize and contact Army sites
 - Identify and validate needs at up to 10 Army sites
 - Recommend technology solutions
- Analyze Site Visit Data
 - Discover common needs among the sites
 - Determine if any needs lack commercially available solutions
 - Identify technologies that need to be validated prior to implementation

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NDCEE Tech Transfer Installation Visits



Demonstrate & Validate Solutions

- **Prioritize Technologies and Test Sites**
 - Select 2 technologies based on site findings
- **Develop Demonstration/Validation Test Plans**
- **Conduct Demonstration/Validation Tests**
 - Demonstrate the technology's performance in the site's operating environment
 - Gather critical performance and cost data to support implementation of the technology on site
 - Conduct cost-benefit analysis
- **Prepare Test Reports**

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NDCEE Tech Transfer Installation Visits



Accomplishments and Results

- **Determined technology Focus Areas:**
 - Solid waste diversion -- Water conservation,
 - HAP/VOC reduction -- Industrial cleaning
 - Alternative fuels/energy systems
- **Identified more than 350 technology solutions**
- **Prioritized Army sites**
 - Mined Environmental Program Requirements (EPRs)
 - Reviewed Installation Status Report-Environment (ISR-E), Installation Status Report-Infrastructure (ISR-I), and Environmental Quality Reports (EQRs) for top 18 sites
 - Projected Base Realignment And Closure (BRAC) implications

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NDCEE Tech Transfer Installation Visits




Top Priority Sites

		# Definite Opportunities	# Potential Opportunities	BRAC Gainer
1	Ft. Bragg	10	8	X
2	Ft. Campbell	6	2	X
3	Ft. Polk	5	2	
4	Ft. Belvoir	4	1	X
5	Ft. Dix	3	2	
6	Anniston A.D.	2	5	
7	Ft. Benning	2	2	X
8	Holston AAP	2	1	
9	Ft. Riley	1	1	X
10	Ft. Irwin	1	2	X
11	McAlester AAP	1	2	
12	Ft. Knox	2	0	X
13	USMA West Point	1	1	
14	Ft. Drum	1	1	X
15	Ft. Leonard Wood	1	0	X

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- NDCEE Tech Transfer Installation Visits
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- ## Accomplishments and Results (cont.)
- Coordinate technology transfer visit sites with HQ IMA and Army Regional Offices
 - Contact installations and schedule technology transfer visits
 - Produce two courses (biodiesel and composting) for the Army's Environmental Training Symposium
 - Pursue collaboration among NDCEE Tasks to implement technology solutions
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NDCEE Tech Transfer Installation Visits



Collaboration on Sustainability Needs

- Addresses needs that installations have called for
- Provides direct support to Army Installations
- Supports Army sustainability goals & objectives
 - Infrastructure – Water Resources
 - Water conservation, recycling, reuse
 - Transportation – Renewable Fuel
 - Alternative fuel vehicles and infrastructure
 - Acquisition & Procurement – Zero Waste
 - Reduce municipal waste – compost facilities, recycling
- Supports preparations for BRAC
 - Same infrastructure issues will be stressed by rapid growth

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NDCEE Tech Transfer Installation Visits



Needs → Implementation

- Site needs from T2 visits feed AERTA
 - New AERTA focus on requirements and specific users for transfer
 - Data not sufficient. Requires follow-up with users
 - Regional meetings with IMA, or at conventions
- Collaborate to support implementation
 - 3-5 NDCEE Tasks can do 7-9 dem/vals
 - Work with REOs & IMA Regions
 - To identify installation support and 'champions'
 - To schedule dem/vals with regional meetings
- Looking for dem/val opportunities
 - Technologies ready for validation
 - Installations which will provide support

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NDCEE Tech Transfer Installation Visits

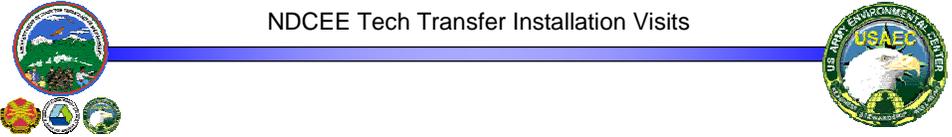


Leadership for Sustainability Technologies

- NDCEE provides solutions faster than R&D cycle
- Needs push from ODEP User Representatives
 - Actively promote NDCEE sustainability projects thru EQT
 - Sponsor & endorse ESTCP proposals
- Establish, with HQ IMA, funding to field technologies
 - NGB lesson: Directives work with equipment support

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NDCEE Tech Transfer Installation Visits



Questions?

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