



**US Army Corps
of Engineers®**

ENGINEERING AND CONSTRUCTION BULLETIN

No. 2008-5

Issuing Office: CECW-CE

Issued: 28 Feb 2008

Subject: Additional training course will be offered to help Corps District design and construction engineers implement energy conservation requirements for new construction per Energy Policy Act 2005.

Applicability: Directive

1. A critical aspect of all current Military Program projects is compliance with the Energy Policy Act of 2005 (EPACT). See ECB 2005-20, Energy Policy Act of 2005 (Public Law 109-58) and How It Affects All Federal Facilities. It is very important that Corps Engineering and Construction staff be effectively trained in the oversight and implementation of the EPACT requirements. As a result of the positive feedback to the first three courses a fourth course will be held at the Embassy Suites hotel in Seaside, California from 28 April to 2 May 2008. The training is also open to DPW staff. There is no tuition charge for this training. Each student should contact Embassy Suites at 831-393-1115 and mention the "U.S. Army class" to reserve their room at the \$125 government per diem rate..
2. The Engineer Research and Development Center (ERDC) will conduct the week-long training course to help Corps District design and construction engineers implement energy conservation requirements for new construction. Public Law 109-58 (also known as EPAct 2005) requires that newly constructed federal facilities achieve 30 percent better energy consumption than a comparable facility designed in accordance with American Society of Heating, Refrigeration, and Air-conditioning Engineers (ASHRAE) Standard 90.1-2004. Topics will include ASHRAE 90.1, energy conservation technologies, building air tightness, building pressurization testing, and building moisture/mold issues.
3. To attend this courses please contact Dale Herron at Dale.L.Herron@usace.army.mil or (217) 373-7278.
4. A draft course schedule is attached.
5. Special thanks to Dale Herron, CERL (217) 373-7278, and Alexander Zhivov, CERL (217) 373-4519, for organizing this training program. HQUSACE point of contact for this ECB is Gary Bauer, 202-761-0505.

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Directorate of Civil Works

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Schedule of Instruction

EPACT 2005 Training for COSs

DRAFT – SUBJECT TO REVISION

Monday 8a-5p	Introduction EPACT2005 and FEMP interpretation of same EO 13423 and FEMP interpretation of same ASHRAE Standard 90.1-2004	Herron/CERL Nasseri/DOE Nasseri/DOE Halverson/PNNL
Tuesday 8a-5p	ASHRAE Standard 90.1-2004	Halverson/PNNL
Wednesday 8a-5p	Compliance with 30% Better EPACT 2005 requirements for UEPH and Training Barracks, BHQ, TEMF, and DFAC Results of CERL/DOE/ASHRAE Study 90.1 Interpretation Target Energy Budgets Technology sets to achieve 30% better New Energy Technologies Dedicated Outdoor Air Systems Radiant Heating and Cooling Solar Walls Cool Roofs Laundry Ventilation Systems Drain Water Heat Recovery Systems	Herron/CERL Zhivov/CERL
Thursday 8a-5p	Building Air Tightness Blower Door Testing (hands on)	Anis/ASHRAE Dittus/NWO
Friday 8a-1p	Building Moisture Control and Mold Thermography Implementation in Real Projects	TBD TBD Herron/CERL