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ENGINEERING AND CONSTRUCTION BULLETIN

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SUBJECT: TechNotes: Solar Thermal, Microhydropower, and Combined Heat & Power (CHP).

CATEGORY: For Information.

1. References:

a. Unified Facilities Criteria (UFC) 1-200-02, High Performance and Sustainable Building Requirements, with Change 1, 1 October 2017.

b. Memorandum, ASA (IE&E), Sustainable Design and Development (SDD) Policy Update, 17 January 2017.

2. **Purpose.** This Engineering and Construction Bulletin (ECB) announces the publication of three new TechNotes on sustainable technologies:

a. TechNote 13, Solar Thermal [updated]
<http://www.wbdg.org/ffc/army-coe/technotes/technote-13>

b. TechNote 28, Microhydropower
<http://www.wbdg.org/ffc/army-coe/technotes/technote-28>

c. TechNote 29, Combined Heat and Power (CHP)
<http://www.wbdg.org/ffc/army-coe/technotes/technote-29>

3. **Background.** TechNotes are developed to disseminate information regarding new or improved building technologies which provide additional opportunities to meet requirements of UFC 1-200-02 (Reference a) and SDD Policy Update (Reference b). TechNotes are brief guides featuring the most pertinent information about the technologies. The content typically includes project application, design strategies, product information, specifications, supporting compliance with Guiding Principles and Federal Mandates, relative costs, resources for additional information, and case study examples.

4. **Access.** TechNotes are hosted online on the Whole Building Design Guide within the Army/COE Criteria section of the Documents Library which can be reached directly using this link: <http://www.wbdg.org/ffc/army-coe/technotes>. The USACE Centers of Expertise in Sustainability (CXS) maintain and update TechNotes and may provide specific project support on a reimbursable basis to implement sustainable technologies and processes. Contact information for each CXS is at <http://www.usace.army.mil/Missions/Sustainability.aspx>.

5. **Training.** Sessions featuring these TechNotes have been included in the Engineering & Construction Webinar Program. For more information on the webinar program, including videos of past webinars and how to obtain CEUs, see <https://mrsi.ercd.dren.mil/sustain/webinars/>.

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Upcoming webinars are posted on the Technical Excellence Network (TEN) calendar at <https://apps.usace.army.mil/sites/TEN/Lists/Calendar/aec.aspx>.

6. **Update.** This information does not affect higher level policy and does not require updating existing criteria documents.

7. **Point of Contact.** HQUSACE point of contact for this ECB is Eric Mucklow, CECW-EC, eric.mucklow@usace.army.mil or (202) 761-0522.

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Encl.

ATTACHMENT A – Solar Thermal TechNote 13

ATTACHMENT B – Microhydropower TechNote 28

ATTACHMENT C – Combined Heat & Power TechNote 29