

## **GEORGIA TECH ENERGY AND SUSTAINABILITY SERVICES (GTESS)**

ANSI-Accredited Standards Developer

Clarification of Intent: SEP energy management standards

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*When originating or replying, please respond to the Administrator*

***Initial Issue 1 June 2018***

***Updated 27 July 2018***

## **BACKGROUND**

Georgia Tech Energy and Sustainability Services (GTESS) is an American National Standards Institute (ANSI) accredited standards developer, which developed ANSI/MSE 50021, ANSI/MSE 50028, and related series of energy management documents to support the Superior Energy Performance™ (SEP) program. These standards have been carefully negotiated, with language carefully chosen to reflect delicate compromises and flexibility in their use and application. Recognizing that questions of intent may arise from time to time in various settings, GTESS has established a formal process to respond to questions regarding clarification of these standards related SEP. The responses will reflect GTESS understanding of these standards as intended during their drafting. The process by which GTESS responds to questions is documented in the GTESS Interpretation Policy.

A summary of that process follows:

1. All questions or requests for interpretations must be submitted using the GTESS Interpretation Request Form available from the GTESS Administrator or the [www.energymanagementstandards.org](http://www.energymanagementstandards.org).

The completed form must be submitted electronically or mailed to:

Attention: Standards Coordinator/Administrator, Holly Grell-Lawe  
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Georgia Institute of Technology  
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e-mail: [holly.lawe@innovate.gatech.edu](mailto:holly.lawe@innovate.gatech.edu)

2. The contact information of the requester must be included in GTESS Interpretation Request Form.
3. Questions should be posed in a question format, as specific as possible, and preferably, in a style to facilitate a concise answer. Questions that are not clear will be returned to the requester for clarification.
4. The GTESS Interpretations Committee will consider the Request for Interpretation within thirty days of receipt. The final response or interpretation will be provided to the requester and disseminated and made available to others through appropriate channels.

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***PART 1: ANSI/MSE 50021-2016 Superior Energy Performance™—  
Additional requirements for energy management systems***

The questions and answers shown in Part 1 have been developed as clarifications of ANSI/MSE 50021-2016. These clarifications remain valid with regard to the 2016 version of ANSI/MSE 50021.

NOTE: This is referred to as the 2017 SEP Program

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***PART 2: Superior Energy Performance™ Measurement and Verification Protocol, 8 March 2017***

The questions and answers shown in Part 2 have been developed as clarifications of the SEP M&V Protocol. These clarifications remain valid with regard to the 2016 version of ANSI/MSE 50021.

**2018-001—M&V Protocol- 8.2**

**1 June 2018**

**Topic**

8.2 Register of Implemented Energy Performance Improvement Actions (Register)

**Question**

Is the organization required to use the *Register of Implemented Energy Performance Improvement Actions (Register)*?

**Answer**

Yes, an organization is required to use the *Register of Implemented Energy Performance Improvement Actions (Register)*. The Protocol states:

8.2 Register of Implemented Energy Performance Improvement Actions (Register) states:

Each facility shall develop and maintain a *Register of Implemented Energy Performance Improvement Actions (Register)* to provide the necessary documentation for the bottom-up comparison. The Register is essentially a running list of implemented actions undertaken during the achievement period that supports the energy performance improvement level claimed. The organization shall list these actions regardless of whether the action is associated with ISO 50001 Action Plans or Significant Energy Uses. The Register shall reflect energy savings over the reporting period; typically, this will be annual savings. The Register shall include at least one energy performance improvement action for each type of energy included in the top-down determination of energy performance improvement.

The register is on the SEP Website at <https://www.energy.gov/eere/amo/downloads/superior-energy-performance-measurement-and-verification-protocol-2017>

For the 2017 SEP Program, organizations are required to use the Register found at the link above and to make it available during the initial certification audit and recertification audits to the SEP VB, SEP PV and/or SEP LA.

**2018-002—M&V Protocol- 5.1.4.4**

**27 July 2018**

**Topic**

5.1.4.4 Feedstock and Resulting Energy Types

**Question**

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One of our company facilities receives and incinerates hazardous waste from many other company locations. Some part of this waste stream may contain combustible components with a positive BTU content. Natural gas is consumed in the incinerator as needed to maintain the required operating temperature. The natural gas is identified within our EnMS as an energy source since it does cross the EnMS boundary for this intended purpose. Under the 2017 SEP M&V Protocol, is the facility receiving and incinerating the waste required to consider it an energy source?

**Answer**

No. This waste stream is not an energy type (source). Section 5.1.4.4 of the *2017 SEP Measurement & Verification Protocol (SEP M&V)* is the relevant reference. The residual BTU content that is provided to the incinerator by the feedstock is not enough to sustain the operation of the incinerator, resulting in the need for natural gas. The established need to purchase natural gas to maintain the operation of the incinerator prevents this process from being defined as exothermic. Any energy that is released by the waste stream during its incineration is the nature of the process. The waste stream is not considered to supply energy to the facility but is dependent on supplied energy to release heat.

In the future, if waste energy were to be recovered from the incineration process, this would not change the nature of the process or this determination that the waste stream is not considered an energy source. Waste heat recovery is covered in Section 5.1.4.3 of the *2017 SEP M&V Protocol* and would apply to any heat recovery processes implemented by the facility.

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***PART 3: Superior Energy Performance™ Scorecard, 11 July 2016 R1***

The questions and answers shown in Part 3 have been developed as clarifications of the SEP Scorecard. These clarifications remain valid with regard to the 2016 version of ANSI/MSE 50021.

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***PART 4: Superior Energy Performance™—Certification Protocol, 19 July 2016***

The questions and answers shown in Part 4 have been developed as clarifications of the Certification Protocol. These clarifications remain valid with regard to the 2016 version of ANSI/MSE 50021.

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***PART 5: ANSI/MSE 50028-2016 Superior Energy Performance™—  
Requirements for verification bodies for use in accreditation or other  
forms of recognition***

The questions and answers shown in Part 5 have been developed as clarifications of ANSI/MSE 50028-2016. These clarifications remain valid with regard to the 2016 version of ANSI/MSE 50028.

NOTE: This is referred to as the 2017 SEP Program

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