

This document includes the updated draft of the Strategic Energy Management, or SEM, measure that BPA intends to make available effective 4/1/2022. BPA may revise this language pending stakeholder feedback, which can be submitted via your Energy Efficiency Representative.

Strategic Energy Management

Basis for Savings

Strategic Energy Management, or SEM, is designed to acquire energy savings over the course of a two-year period by improving facilities' energy intensity through behavioral, operational, and maintenance improvements. Participants allocate personnel time and resources to engage in activities including energy management training, opportunity identification and implementation, and energy-use tracking, which results in SEM savings. Savings are primarily achieved through participant time and effort.

SEM participants often identify custom, lighting, UES measures that can be pursued concurrent with SEM enrollment. Savings attributed to other program components are not attributable to SEM.

Requirements and Specifications

This measure is available for the Commercial and Industrial Sectors. An eligible site may consist of a single building, facility, municipality, or it may include multiple contiguous buildings (e.g., a medical or education campus).

Enrollment Application. To enroll or re-enroll a site in the SEM measure a customer must submit to BPA:

- Site name, address and contact details
- Estimated baseline annual energy consumption (kWh/yr)
- Confirmation that site has committed to a minimum two-year performance period
- Estimated SEM energy savings potential for the two-year performance period
- Estimated performance period start date

Additional requirements include:

- Measurement and verification (M&V):
 - Verified SEM savings must be calculated following an M&V option described in the BPA Commercial and Industrial (C&I) SEM M&V Reference Guide (available in the IM Document Library).
 - Verified SEM savings do not include energy savings from other BPA programs (e.g., custom projects, lighting project or UES measure projects).
 - Verified SEM savings are relative to the SEM baseline or the savings achieved in year two of the previous performance period. If re-baselining was necessitated by the BPA C&I SEM M&V Reference Guide or customer request, it will reset the SEM baseline.
- The initial SEM performance period starts date must be:
 - No earlier than the SEM kick-off workshop or tune-up event, whichever is applicable.
 - No later than the date determined by the customer.
 - April 1, 2022, or later unless the participant was actively enrolled in Strategic Energy Management Projects (Optional ESI Component) on March 31, 2022.
- Annual SEM Reports: Customers are required to submit an annual SEM Report documenting SEM activities and resulting energy savings. No cost documentation is required. The SEM Report must include at a minimum:
 - Verified SEM savings.
 - Site-specific written summary describing SEM systems and practices implemented, including persistence strategies.

- Documented of M&V compliance with BPA C&I SEM M&V Reference Guide.
- Opportunity register that documents individual energy efficiency measure implemented, including subsystem, measure name and description, and when it was implemented.
- Performance Tracking System (PTS) Maintenance Documentation, if applicable (see Section 10.3.3 Performance Tracking Systems for requirements).
- SEM Calculator: Customers are required to submit a SEM Calculator documenting the SEM cumulative verified site savings, SEM annual site savings, and SEM verified site savings as defined in the BPA C&I SEM M&V Reference Guide.

Documentation Requirements

DOCUMENTATION DESCRIPTION	RETENTION/SUBMITTAL LOCATIONS	
	BPA ENERGY EFFICIENCY TRACKING SYSTEM	CUSTOMER FILE
Enrollment Application	X	
Annual SEM Report	X	X
SEM Calculator	X	X

Payment

MEASURE CATEGORY	PAYMENT
Strategic Energy Management	\$0.025 per kWh of verified energy savings

Additional Information

- There are optional templates for the Annual SEM Report and SEM Calculator. The use of these templates are not required.
- For customers enrolled in ESI, ESI staff and TSP resources are available to support customers in identifying prospective SEM participants in the Industrial sector and to provide SEM coaching and technical assistance to enrolled SEM participants in the Industrial sector. ESI staff and TSP resources are not available to support SEM projects in the Commercial sector.