Xcel Energy is excited to offer the Business Smart Thermostat Study to its Minnesota small and medium business (“SMB”) customers with central cooling systems and summer weekday cooling loads. For the Business Smart Thermostat Study, SMB customers are defined as Xcel Energy commercial rate electric customers with facilities with annual demands of 200kW or less and with no more than eight (8) thermostats installed in each facility. An SMB customer may enroll as many as eight (8) facilities into the study, but each facility must meet all eligibility criteria. Under this program, Xcel Energy will work with ecobee, the smart thermostat manufacturer, to either cycle participating customers’ central cooling systems via their thermostat, or deploy temperature offsets to customers’ thermostats, during high electricity demand periods, known as “events.” In exchange for their agreement to participate in the Business Smart Thermostat Study, participating SMB customers will receive up to eight ecobee3 lite thermostat(s) per qualifying facility, installed by Xcel Energy’s installation contractor at no cost. Customers will also receive an annual bill credit of $25 for each participating thermostat for each year the study is active.

In order to enroll in the Business Smart Thermostat Study, please review these terms and indicate your understanding and agreement below by selecting the appropriate check box on the Business Smart Thermostat Study online enrollment page.

Xcel Energy Customer Information Exchanged with ecobee

ecobee may share participating customers’ enrollment data and anonymized usage data from customers’ smart thermostat(s) with Xcel Energy and its consultants. This exchange of customer information is covered by confidentiality terms existing between Xcel Energy, its consultants and ecobee.

Business Smart Thermostat Study Control Day and Cycling Information

In Minnesota, central cooling system cycling and temperature offset events will typically occur between 3 p.m. and 7 p.m. Central Standard Time on control days between June 1 and August 31. Please note that control days may occasionally take place in other months.

The central cooling system cycling and temperature offsets are controlled by the ecobee3 lite smart thermostat received by participating customers who comply with these Business Smart Thermostat Study terms. Customers will be subject to one of the following control strategies during events:

- Duty-Cycling – the thermostat will cycle a customer’s central cooling system off and on during the event.
  - For example: the compressor will be turned off for 15 minutes, and then turned on for the following 15 minutes, as necessary.

- Temperature Offset – the thermostat will increase the temperature setpoint in a customer’s facility by a pre-determined amount during the event.
  - For example: for a 2 degree offset event, a customer’s thermostat with a chosen setpoint of 71 degrees would be increased to 73 degrees.

- Pre-Cooling: part of the temperature offset strategy includes “pre-cooling,” where the thermostat will turn down the temperature at a customer’s facility for 1-2 hours ahead of a scheduled event; this is meant to provide additional cooling before an event starts so that the interior comfort is maximized during the event.
  - For example: in the example above, the customer’s thermostat with a chosen setpoint of 71 degrees would be decreased to 70 degrees for 1 hour ahead of the scheduled event.

Business Smart Thermostat Study Event Participation Details

The Business Smart Thermostat Study offers participating customers the option to opt-out of all events during the duration of the study with no penalty. Xcel Energy plans to call up to a maximum of ten events during each year during the study.

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Please note that customers with evaporative “swamp” coolers, window/wall AC units, ductless AC units, and ground-source heat pump cooling systems are not eligible for the Business Smart Thermostat Study.
The control event season typically occurs between June 1 and August 31, but events can take place in other months. Participating customers are free to opt-out for any and all events they choose without any penalty.

Please check our program page – [www.xcelenergy.com/business_smart_thermostat_study](http://www.xcelenergy.com/business_smart_thermostat_study) – each year for any changes to program rules and operations.

**Withdrawal**
Business Smart Thermostat Study participating customers may completely withdraw from the program at any time without penalty. Customers will keep their thermostat but will no longer receive bill credits for years that they do not participate in control events.

**Limitations**
Business Smart Thermostat Study terms are subject to change any time. The Xcel Energy Business Smart Thermostat Study may be cancelled with 30 days’ notice via email. The Business Smart Thermostat Study will end on December 31, 2019 and participation is limited to 300 customers or as budget is available. Please visit us at [www.xcelenergy.com/business_smart_thermostat_study](http://www.xcelenergy.com/business_smart_thermostat_study) or call us at 1-855-839-8862 to determine whether any program changes have occurred.

**Business Saver’s Switch® Customers**
Current Business Saver’s Switch customers are eligible to participate in the Business Smart Thermostat Study but will not receive their annual bill credit associated with the Business Saver’s Switch program while participating in the Business Smart Thermostat Study. Business Saver’s Switch customers’ switches will be de-activated for the duration of the Business Smart Thermostat Study. After the Business Smart Thermostat Study end date on December 31, 2019 customers’ Business Saver’s Switches will be re-activated and those customers will automatically be re-enrolled in the Business Saver’s Switch Program.

**Business Smart Thermostat Study Communications**
Customers consent to receive communications relating to Xcel Energy’s Business Smart Thermostat Study in electronic form sent to customer’s email address.

**Questions**
If you have questions regarding these Business Smart Thermostat Study terms, please call 1-855-839-8862.