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**LEED O+M: Schools | v4 - LEED v4**

## Demand response

### Possible 3 points

1 result in **All** .

- [Glossary](#)

#### Intent

To increase participation in demand response technologies and programs that make energy generation and distribution systems more efficient, increase grid reliability, and reduce greenhouse gas emissions.

#### Requirements

##### Establishment

Evaluate building systems and equipment for participation in a demand response program. On-site electricity generation does not meet the intent of this credit.

##### Case 1. Demand response program available (3 points)

Participate in an existing [demand response \(DR\)](#) program and complete the following activities.

- Have in place a system with the capability for real-time, fully automated DR based on external initiation by a DR program provider. Semi-automated DR may be utilized in practice.
- Enroll in a minimum one-year DR participation amount contractual commitment with a qualified DR program provider, with the intention of multiyear renewal, for at least 10% of the annual peak electricity demand. Peak demand is based on electric utility bills.
- Develop a comprehensive plan for meeting the contractual commitment during a Demand Response event.
- Include the DR processes in the current facilities requirements and operations and maintenance plan.
- Initiate at least one full test of the DR plan.

##### Case 2. Demand response program not available (1 point)

Have infrastructure in place to take advantage of future demand response programs or dynamic, real-time pricing programs and complete the following activities.

- Develop a comprehensive plan for shed at least 10% of the annual peak electricity demand. Peak demand is based on electric utility bills.
- Include the DR processes in the current facilities requirements and operations and maintenance plan.
- Initiate at least one full test of the DR plan.
- Contact local utility representatives to discuss participation in future DR programs.

##### Case 3. Permanent load shifting (2 points)

Implement electrical load shifting measures with the following requirements:

- Have in place during the performance period a system which permanently transfers electricity demand from peak hours to off-peak hours as defined by the local utility provider.
- Demonstrate that the facility is successfully reducing [peak demand](#) by 10% during the performance period as compared to peak electrical demand by:
  - o Identifying all load shifting measures and their intended peak electrical load shift
  - o Verifying a corresponding peak electrical load reduction for each measure
  - o Verifying a corresponding off-peak electrical load increase for each measure
- Include the load shifting measures in the current facilities requirements and operations and maintenance plan.

#### Performance

None.

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