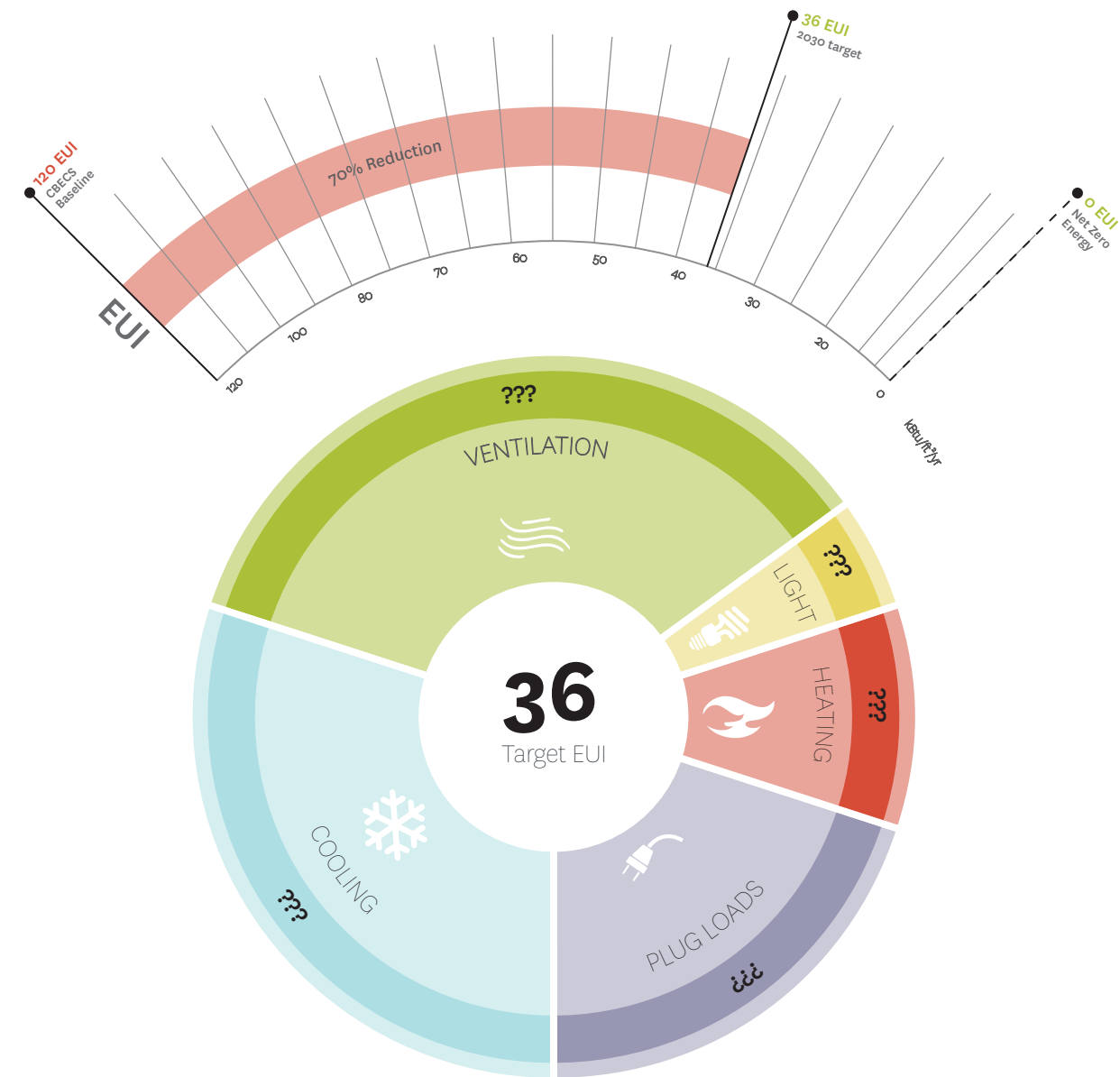


**Berwick Hall**  
**University of Oregon & Oregon Bach Festival**  
 Sustainability Summary

**Project Type:** Higher Education  
**Location:** Eugene, Oregon  
**Built Area:** 9,700 SF  
**Scope:** New Building, completed 2017  
**Certification:** N/A

**Architect:** Hacker  
**Energy Consultant:** Glumac



**Design Summary**

As part of the University of Oregon’s School of Music and Dance, the new Berwick Hall will finally establish a prominent on-campus presence and new home for the Oregon Bach Festival (OBF). Designed to be the welcoming “front door” of OBF, this new venue helps situate the festival within its campus community, the arts community, and the greater cultural communities of Oregon.

The building includes multi-functional performance spaces; a new rehearsal room, acoustically tuned for musicians to hear each other and for the conductor to hear each instrument; meeting space for the OBF Board of Directors; and space to facilitate administrative and office functions.

**Key Sustainability Concepts**

Berwick Hall is designed to an improved 70% energy efficiency compared to the baseline building performance rating. To achieve this level of energy efficiency, a number of sustainable features are incorporated into the design.

Operable windows in the office bar allow for natural ventilation and reduce the demand on the building’s electric cooling and ventilation systems. Both the office bar and the rehearsal room are designed for optimum

daylighting. The office bar has large floor to ceiling windows while the rehearsal room uses skylights and a large clerestory window with integrated lightshelf to bounce daylight through the space. These passive strategies reduce the demand on electrically powered mechanics and lighting.

The central air handling unit contains high-efficiency compressors and fans. The rehearsal room utilizes a displacement ventilation air delivery system and an air-to-air heat recovery DOAS (Dedicated Outdoor Air System) unit. This strategy employs low fan energy and reduces energy use by only conditioning the bottom 7’ of the space, allowing natural stratification of the air.

LED lighting is used throughout the building and lighting occupancy sensors are integrated in the office bar to automatically turn off lights when the space is unoccupied.

Products and materials throughout the building’s interior and exterior support favorable life-cycle impacts. Wood clads the exterior of the rehearsal room. FSC Certified wood is used for the exterior panels/louvers and for the walls and flooring in the rehearsal room. The acoustic ceiling tiles in the office bar are made from 81% recycled contents using plant-based adhesives and include

an AirGuard coating that will remove 50% of formaldehyde in the air for 10 years. Countertop surfaces and carpet in the office bar are Greenguard Certified and exceed the indoor air quality requirements for low-emitting materials. Interior paint is Green Promise Certified and zero VOC.

Native and adaptive vegetation restore 38% of the site that was previously developed. The planting design incorporates native and native-Wanalogous species, where the plants are adapted to the local climate and need little if any irrigation. The project’s landscape water requirement is reduced by more than 30% from the calculated baseline for the site’s peak watering month.

Permanent water and energy-use meters are installed on the building to track the consumption of total potable water and energy throughout the building. These meters will encourage active management of these precious resources.