

# Newberg High School

NEWBERG, OREGON

## Services

Building Technologies  
Electrical  
Lighting

### FAST FACTS

#### Architect

BOORA Architects

#### General Contractor

Emerick Construction

#### Completion

March 2005

#### Building Size

280,000 sf

#### Project Cost

\$17.5 million

#### Contact

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Newberg's existing campus consisted of 11 major buildings, all constructed in the late 1960's, plus 16 portable classrooms that served one-third of the school's student population. With a new capital improvement bond, Newberg was able to make significant improvements to its existing campus, including the addition of a new 550-seat auditorium, a 20,000 SF theater and 200-seat auxiliary gymnasium.

Interface's role in this project spanned:

» **Efficient Electrical Design.** Interface's design expanded the existing main campus service to serve the infill without resorting to an entirely new electrical service system for the buildings. Our design also added a generator, which

supports automatic relays for turning emergency lighting off when a building is unoccupied.

» **Creative Lighting Design.** By switching daylighting and special window glass throughout the new buildings, sufficient light is available from windows and skylights. This eliminates the need for indoor lighting during most daytime hours.

» **Technology Design.** Interface provided full upgrades to the campus fire alarm system. The renovations to the telecommunications infrastructure, security systems, CATV, paging, master clock and telephone systems also reduced lighting energy consumption.



As six of the existing buildings surrounding a courtyard were independent of each other, a connecting infill was designed to provide a media center as well as all-purpose classrooms.