

# Estacada Library

ESTACADA, OREGON

## Services

MEP Engineering  
Building Technologies  
Fire/Life Safety  
Lighting

## FAST FACTS

### Architect

SRG Partnership

### Completion

September 2006

### Building Size

13,350 sf

### Project Cost

\$3.5 million

### Awards

North America's  
International Illumination  
Design Award / Regional  
Award of Merit: Northwest  
Region of the Illuminating  
Engineering Society, 2007

### Contact

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Having evolved from a wood products-oriented to a diverse service economy, Estacada found strong voter support when it suggested building a new library. Sharing its space with the city hall in a 67-year-old building subject to earthquake hazards, and a circulation that increased four-fold in just the last ten years, the library needed the new structure. The new library will serve the current population, but has a 3,000 SF expansion planned to accommodate expected future growth.

Because life-cycle cost is important to Estacada, Interface provided some innovative solutions for energy savings through a variety of designs:

- » high-efficiency air-to-air heat pumps reduce energy use

- » perimeter heating system: an efficient underfloor air distribution system
- » skylights provide daylighting that cuts down on electrical light usage
- » high-efficiency linear T8 and compact fluorescent lighting with photocell sensors continuously dim the lights when daylight is sufficient
- » energy-saving paddle fans in the exposed ceiling provide comfortable ventilation



Natural ventilation is available from low operable windows on the west side. To take advantage of this, Interface Engineering designed controls to shut down the heating when the windows are open to avoid wasting energy.