

## Facts

### Description:

76,000 square foot recycling facility

### Location:

Shoreline, WA

### Project Owner:

King County

### Architect:

KPG Architects

### Completion Date:

2008

### Objective:

Sustainability Strategy

## Results

LEED Platinum

## SHORELINE RECYCLING AND TRANSFER STATION



This 76,000 square foot facility was the first industrial building to ever receive a LEED-Platinum rating. It is the first of several transfer stations in King County to be designed to LEED standards, using strategies that save money and resources on energy, ventilation and water costs. A major issue that was faced while planning this facility was the large amount of energy that was needed to run ventilation fans, which in a typical station need to run 24 hours a day. Other problems were the costs of lighting a facility of this size and the amount of water needed to clean the tipping floor where the garbage is initially collected.

### Paladino Approach

Paladino advised sustainable design features for the facility that include:

- Clerestory and skylights, providing natural ventilation and daylighting,
- Variable fans that run only at peak times
- Roof-top water harvesting system capturing water to use to clean floors and equipment and flush toilets
- Solar panels to help the station generate power
- Low VOC paints and adhesives
- Vegetated bioswales, helping reduce and clean excess rainwater before it enters the nearby stream