

Shoreline Recycling & Transfer Station

Fact Sheet

Overview: The facility was built in 2008 and the property occupies about 13 acres and includes a waste transfer building, scale facility, recycling areas, and transfer trailer storage areas. The remainder consists of undeveloped lands, landscaping, and a creek buffer, as well as adjacent stormwater facilities. The site is bordered by Interstate 5 on the east side, the King County Metro Transit North Operating Base on the south side, and private homes on the north and west sides. While the facility only receives about 8 percent of solid waste at all King County transfer stations, it receives nearly half of all the recyclable materials collected at King County recycling and transfer stations. The station primarily serves residents and businesses from the Kenmore, Lake Forest Park, and Shoreline areas.

Location: 2300 N 165th St, Shoreline, WA 98133

Hours of operation

Mon-Fri: 7:30 a.m. – 5 p.m.

Sat & Sun: 8:30 a.m. – 5:30 p.m.

Closed on Thanksgiving, Christmas and New Year's Day

What happens to the waste? The waste is transported by county employees in covered trailers from Shoreline to the Cedar Hills Regional Landfill, 36 miles away.

What happens to recyclable materials? Recyclable materials are separated by type and distributed to local, national or international markets for processing into recycled content products. Reusable materials (bikes and textiles) are donated to local non-profits.

Notable features

- Shoreline accounts for 49 percent of all materials recycled at King County transfer stations.
- Resource Recovery: transfer station operators work to recover recyclable materials from the solid waste stream, focusing on cardboard, scrap metal, and clean wood.
- Recycled-content materials are used throughout the building, including recycled steel in the building's structure, a cement substitute called fly ash, and recycled content carpet and flooring. Sustainable materials include cabinets made of wheat straw and Forest Stewardship Council-certified wood instead of traditional hardwoods.
- A roof-top rainwater harvesting system collects water to flush toilets and to wash station floors and equipment. This reduces water needs by up to 50 percent, reducing utility-provided water consumption by over 250,000 gallons every year.
- Roof-top solar panels generate electricity and provide about three percent of the building's energy needs. The facility uses natural daylight as the primary light source through the translucent wall panels and overhead skylights, significantly reducing the need to use electricity for station lighting.
- A natural ventilation system pushes air through the building, reducing energy needs for ventilation by up to 80 percent. Low volatile organic compound paints and adhesives contribute to healthy indoor air.
- A pre-load waste compactor allows for more efficient packing of trailers bound for King County's Cedar Hills Regional Landfill, reducing hauling trips and fuel consumption.
- Compactors for cardboard and for commingled recyclable materials reduce the number of truck trips to a recycling facility in Seattle, lowering carbon emissions and transportation costs.
- Thornton Creek Restoration and Protection: Invasive plants along the creek corridor were removed and replaced with native plants. The new stormwater filtration system releases water to the salmon-bearing creek at a rate that prevents erosion and flooding.
- Funded by the 1% for Art Program, Carol DePelecyn collaborated with Steve McGehee and Dale Stammen to create "Terra Firma" and "ReTire," two pieces of art that invite visitors to consider what happens to their garbage and that encourage recycling.



While waiting in line, visitors experience the "ReTire" sound installation: natural and man-made sounds come from recycled truck tires.



Mount Rainier overlooks a mountain of garbage at the Cedar Hills Landfill in Carol DePelecyn and Steve McGehee's "Terra Firma," installed as a billboard above the tipping floor



Bicycle recycling



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2016 at a glance

- **Who are the customers?** 85 percent of visits were made by self-haul customers, who contributed 54 percent of the total waste received at the station. Commercial customers contributed 46 percent of the total waste with 15 percent of the visits.
- **Tons of solid waste disposed:** 70,983. This constitutes 8 percent of solid waste at all King County transfer stations.
- **Total customer visits:** 131,144
- **Recycling services**
 - Appliances*
 - Bicycles and bicycle parts
 - Cardboard
 - Flags (worn or torn flags)
 - Mercury-containing light bulbs and tubes
 - Scrap metal
 - Textiles
 - Wood (clean, untreated)*
 - Yard waste*
 - The following can be combined in the large blue "Recyclable Materials" containers:
 - o Paper, including office paper, junk mail, envelopes, newspapers, magazines, catalogs, paper food boxes, cartons such as milk, juice and broth cartons, paper cups, shredded paper if securely tied in clear plastic bags, and hard and paperback books
 - o Cans (aluminum, tin, steel)
 - o Glass bottles and jars
 - o Plastic bottles, cups, jugs, tubs, pots, food containers, clamshells, trays
 - o Lids (3 inches or more)

Recyclable materials must be empty (no liquids) and clean (no food).

* Fees apply

• Recycling Tonnage

| Cardboard | Mixed Paper | TAP ¹ | Glass | Metal | Yard Waste | Clean Wood | Appliances | Misc. | Total* |
|-----------|-------------|------------------|-------|-------|------------|------------|------------|-------|--------|
| 455 | 199 | 55 | 114 | 1875 | 8,374 | 1,393 | 135 | 45 | 12,646 |

1) TAP (tin, aluminum and plastic)

* This constitutes 49 percent of the recycling at all King County transfer stations.



Aerial view of the Shoreline Transfer Station

Awards and recognition:

- **Leadership in Energy and Environmental Design (LEED™):** The LEED Green Building Rating System™ recognizes environmental leadership in the building industry. The U.S. Green Building Council has certified Shoreline with the highest level of certification – Platinum – recognizing its innovative and sustainable features.
- The **American Public Works Association** selected Shoreline as a Public Works Project of the Year of 2009.
- The **American Institute of Architects** (Seattle Chapter) gave Shoreline an Honorable Mention in an international competition.
- **Northwest Construction Consumer Council** awarded Shoreline with the Grand Award - Project of the Year and the Green Project of the Year in 2008.
- King County was commended by the **Thornton Creek Alliance** for its restoration work along the banks of the creek.
- The **Americans for the Arts Public Art Network** "ReTire" and "Terra Firma" a Year in Review Award, recognizing the best in public art projects in 2009.



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