

Need for Additional Solid Waste Management Infrastructure

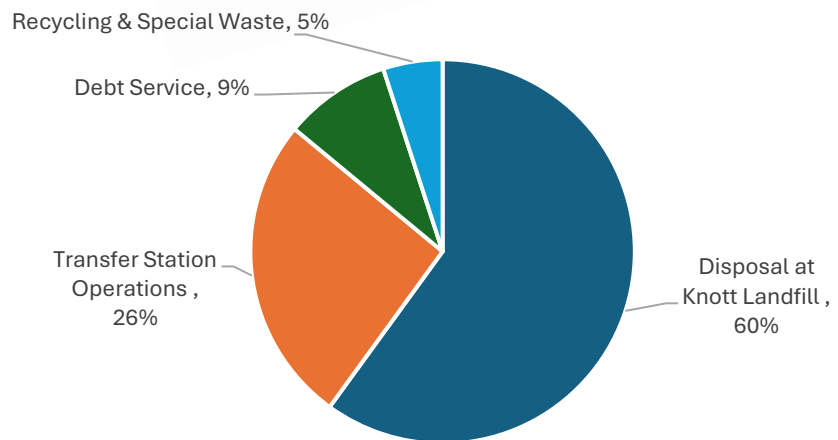
- Bailey Payne, Solid Waste Program Coordinator, Benton County
Steve Miller, CEO, Bulk Handling Systems
- Brian May, Environmental Services Division Manager, Marion County
- Austin McGuigan, Director of Community Development, Polk County

Deschutes County



- Population = 213,886
- ~225,000 tons garbage/year generated in Deschutes Co.
- ~85,000 tons recovered/year
- 2 franchised haulers
- 4 transfer stations (2 are small, rural) run by Deschutes Co.
- The [Deschutes County Solid Waste Department](#) operates as an enterprise fund, meaning it is self-supporting through user fees rather than general tax revenue.
- The public gate rate tip fee is \$90/ton. The Franchise Hauler gate rate is also \$90/ton.
- Deschutes County Department of Solid Waste has 49 FTE that manage the transfer stations, landfill, composting operation and education/outreach.

Deschutes County Tip Fee (\$90/ton)



System Benefit Fee

A portion of every ton's tipping fee (currently estimated in the system cost of \$36.50 to \$50.00 per ton) funds programs such as recycling **education, business outreach, and hazardous waste collection.**

Deschutes County Recycling & Transfer Station (Bend)

Scale House

Hazardous Waste Facility

Admin. Bld.

Recycling School Fieldtrips



Covered Garbage Pit

Drop Box Staging Area

Yard debris

Covered Recycling Depot

Features:

- Size: ~12.25 acres; ~35,000 Sq. Ft.
- Tons/Year: 180,000 – 224,000 (Capacity = 620 tons/day or 224k tons/year)
- Processes 10 semi-trucks/day
- \$16M (2007) to construct all 4 buildings pictured and scales
- 6 employees work at the transfer station
- 3 employees work at the HHW facility

Negus Recycling & Transfer Station (Redmond)



- Recycling Depot
- Covered Garbage Pit
- School tours
- Scale House
- Yard debris

- Features:**
- Opened in May 2025
 - \$20M (2024) - 4 yrs. to build
 - Funded through County-issued capital bonds
 - 6 employees run it
 - Capacity = 45,000 tons/day (up to 500 customers/day) – Current averages 200 customers/day with 200 tons/day
 - 10-15 transfer trailers/day
 - Size: ~9.5 acres; 35,000 Sq. Ft. covered
 - Tons/Year: 420 tons/day (~105k tons/yr)
 - 6 employees work at the transfer station

Drop Box
Staging Area

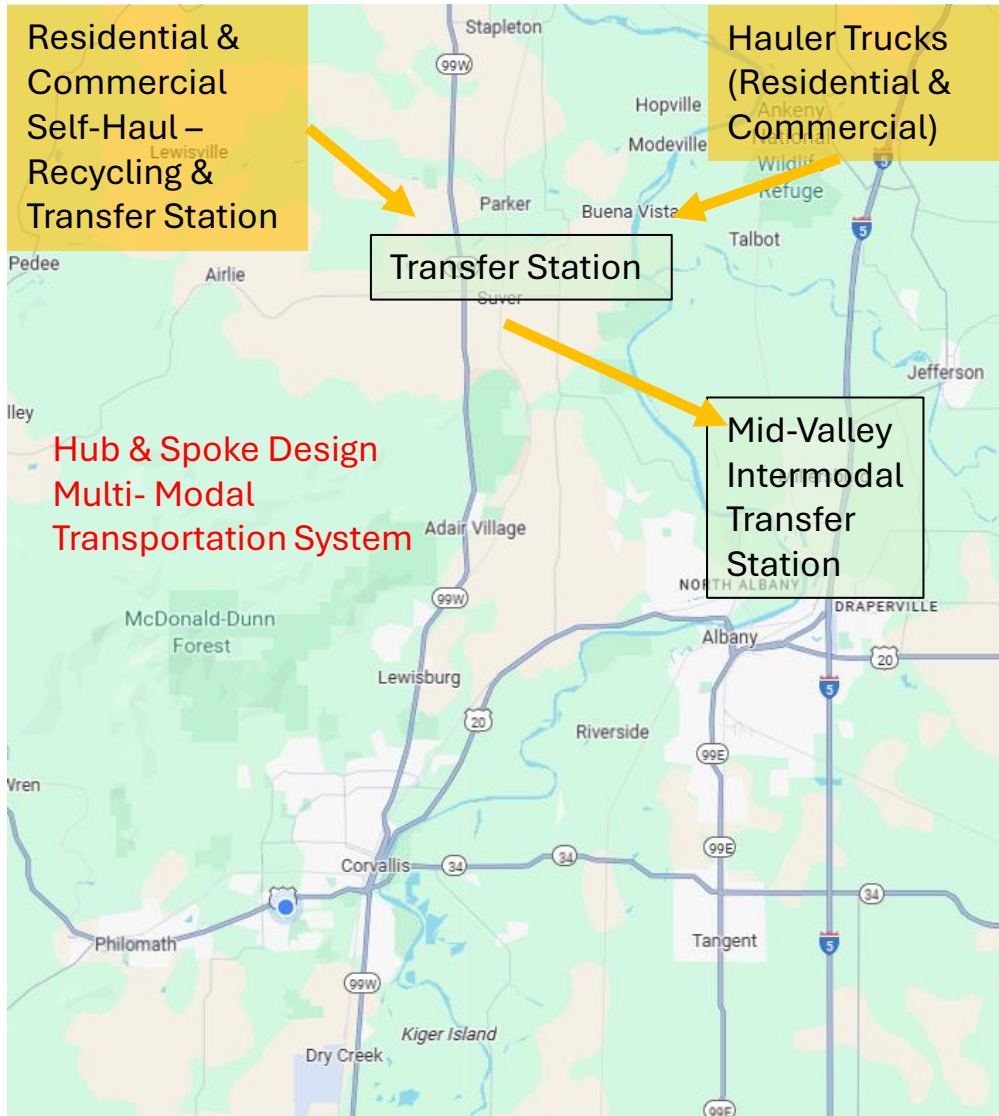
	Knott Landfill Recycling & Transfer Station (Bend)	Negus Recycling & Transfer Station (Redmond)
Size	12.25 acres; 30,000 sq. ft. building	9.5 acres; 35,000 sq. ft. building
Cost	\$17 million renovation (2007) – This included covered recycling area, HHW facility, scalehouse and administrative building	The \$21 million (2024) project was funded through county-issued capital bonds. It took 4 years to build.
Amount Handled	Knott landfill receives approximately 235,000 tons a year of material. Of that, approximately 50,000 tons a year of material comes through the Knott Landfill Transfer station.	Total capacity = 45,000 tons/year and up to 500 customers/day (current average is ~200/day)
Customers	600/day with peaks of 700/day	400/day with capacity of 500/day
Self-hauls	100% of the total tonnage coming through the transfer station is from self-haul customers. Franchise hauler loads are disposed of directly at the landfill face, bypassing the transfer station.	50% of the total tonnage coming through the transfer station is from self-haul customers and 50% from Franchise haulers

	Knott Landfill Recycling & Transfer Station (Bend)	Negus Recycling & Transfer Station (Redmond)
Separate area for commercial tips?	Haulers tip directly into landfill; No separation of public and small business waste	Separate tipping areas for self-haul (residential) and commercial customers to improve safety and efficiency.
Special recovery efforts	RecycleOn Center HHW Facility open year-round	<ul style="list-style-type: none"> • C&D debris was expanded from 4 cubic yards to 10 cubic yards with the new facility. • RecycleOn Center • HHW events (material brought back to HHW facility) • Accepted clean fill (i.e. concrete, rock, and non-contaminated soils) at a discounted rate.

Question: If you had it to do over again, what would you do differently?

Answer for Knott Transfer Station: Designed the facilities to be larger with 1-2 more load-out bays with a separation between the public/self-haul tipping areas from the franchise hauler tipping areas

Transfer Stations and an Intermodal Facility → Truck to Rail to Landfill



Garbage

- Residents/small businesses self-haul to BC transfer station. This garbage is loaded (potentially compacted) into intermodal containers and trucked to an Intermodal facility.
- Hauler trucks emptied at BC Transfer Station and trucked to intermodal facility in intermodal containers.

Recycling

- Curbside recycling continues to go to Albany, then to a material recovery facility
- Transfer Station recycling goes to Albany or directly to end user

Yard Debris / Food

- Curbside organics continue to go to PRC
- Transfer station organics go to PRC