

# DRIVE TIME ANALYSIS

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Transfer Plan Review Workshop 1

July 26, 2013



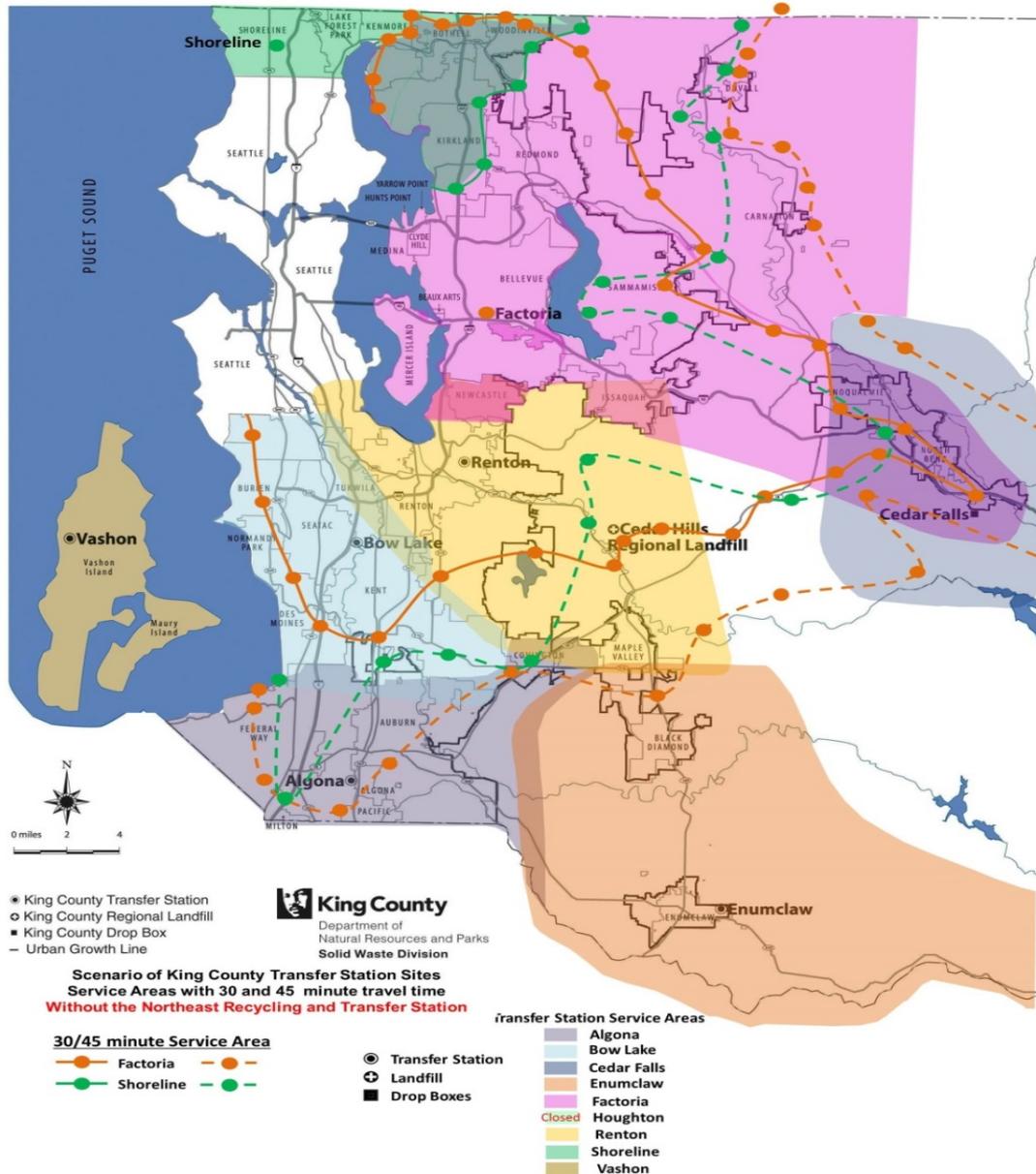
Department of Natural Resources and Parks

**Solid Waste Division**

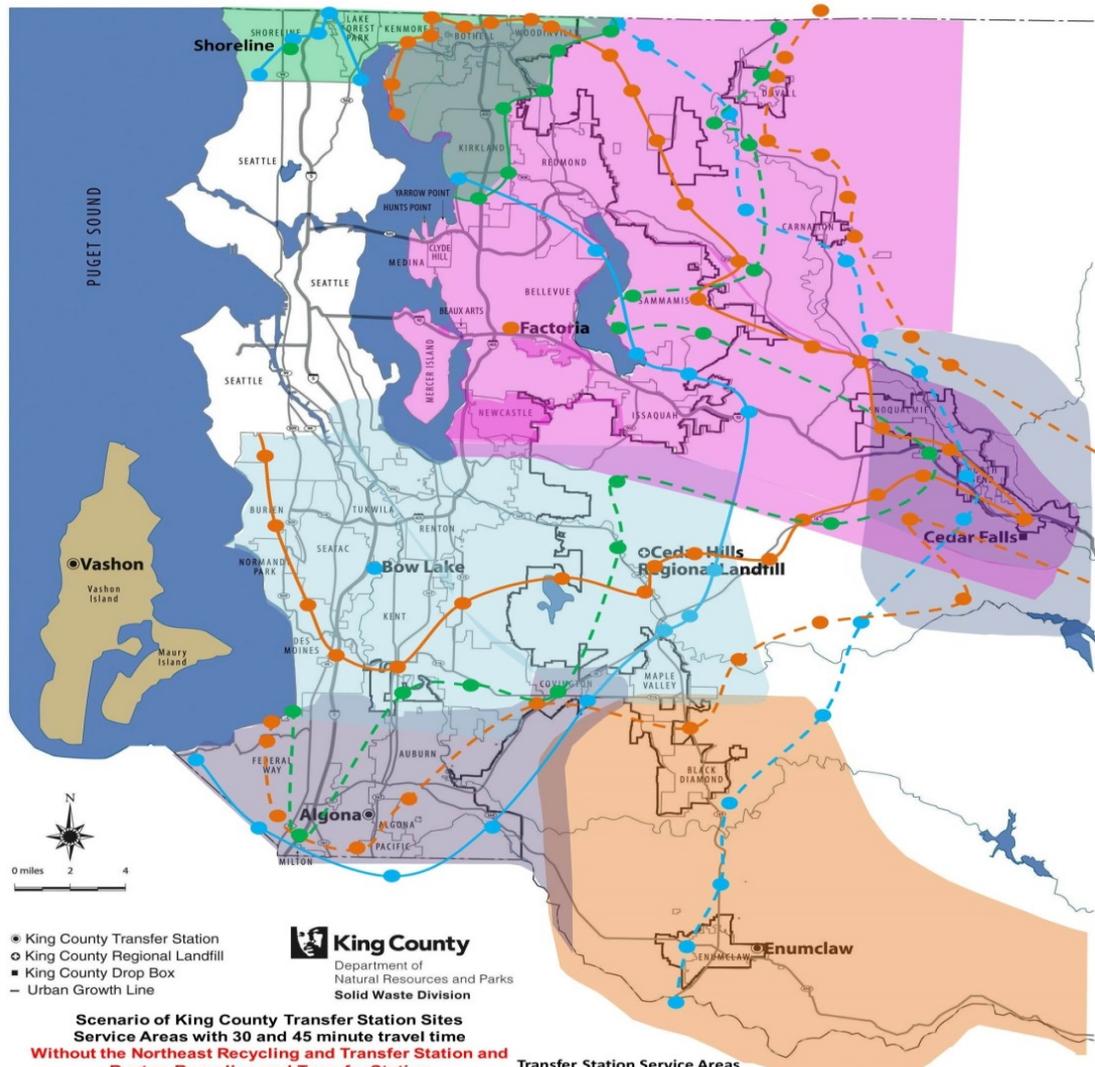
# Drive Time Analysis: Background

- Criterion:  
*The estimated time to a transfer facility within the service area for 90% of users will be 30 minutes or less*  
We meet this criterion in the current configuration
- Analyzed a 30-minute radius and a 45-minute radius to determine the drive time zones around the existing and potential new recycling and transfer stations
- The distance traveled is defined by the different street segments allowable speed
- This defines the service areas for each station
- Overlaid service areas with real driving times generated with an online mapping tool

### East County Scenario-A



### East County Scenario-B



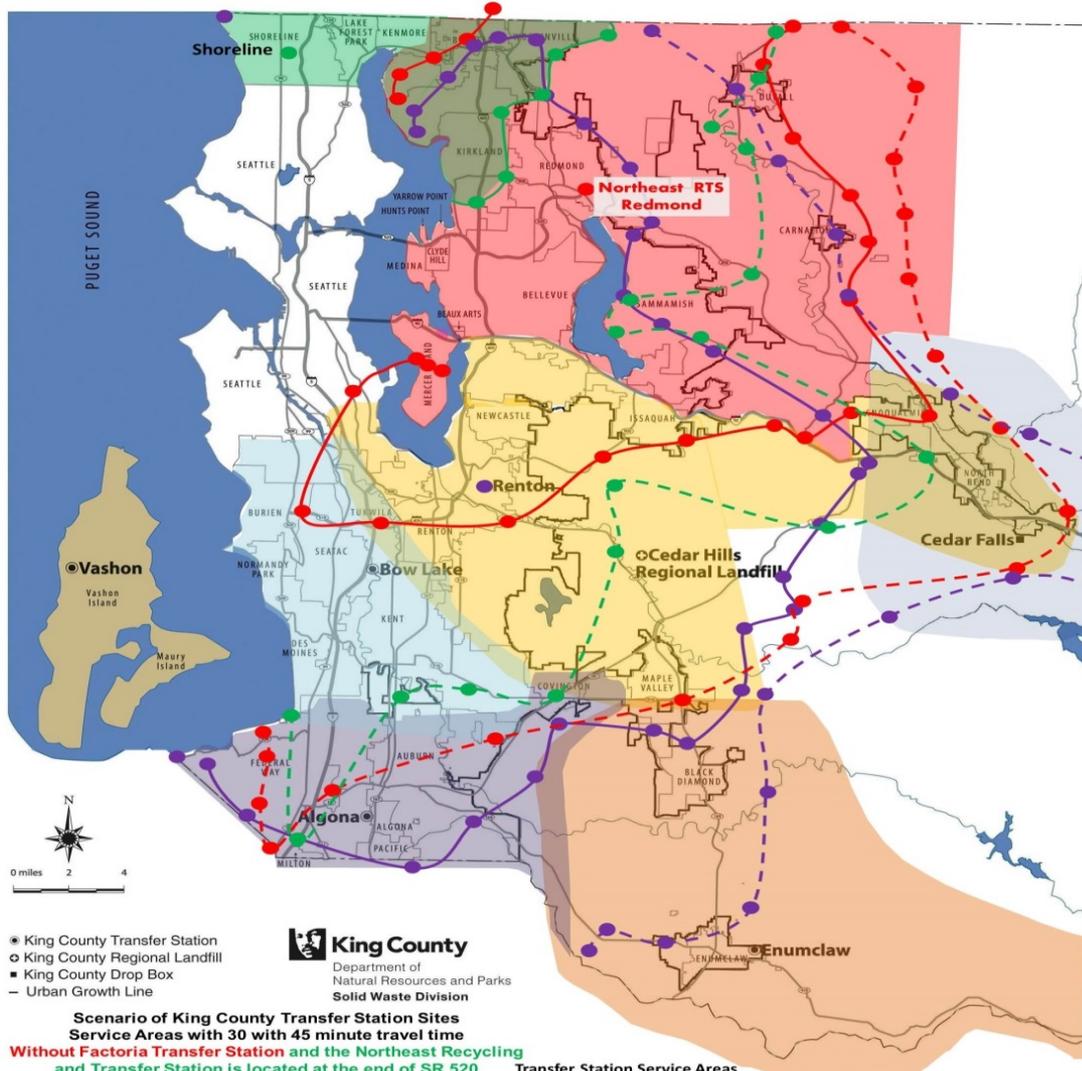
- King County Transfer Station
- King County Regional Landfill
- King County Drop Box
- Urban Growth Line

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**Scenario of King County Transfer Station Sites Service Areas with 30 and 45 minute travel time Without the Northeast Recycling and Transfer Station and Renton Recycling and Transfer Station**

<b>30/45 minute Service Area</b>		<ul style="list-style-type: none"> <li>● Transfer Station</li> <li>○ Landfill</li> <li>■ Drop Boxes</li> </ul>	<b>Transfer Station Service Areas</b>	
● Factoria	○ Shoreline		■ Algona	■ Bow Lake
● Shoreline	○ Bow Lake		■ Cedar Falls	■ Enumclaw
● Bow Lake	○ Enumclaw		■ Factoria	■ Houghton
			■ Renton	
			■ Shoreline	
			■ Vashon	

### East County Scenario-C



- King County Transfer Station
- King County Regional Landfill
- King County Drop Box
- Urban Growth Line

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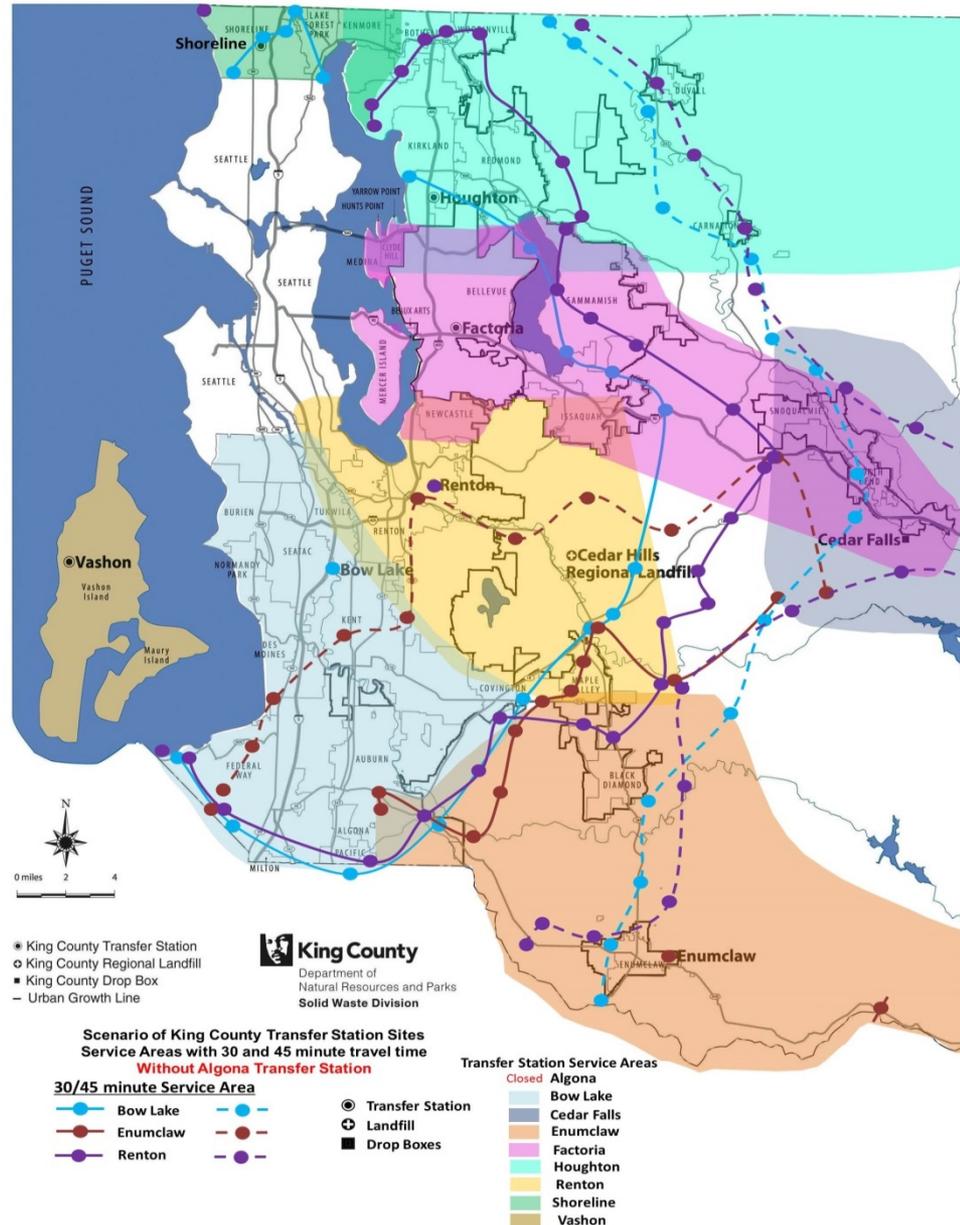
**Scenario of King County Transfer Station Sites**  
**Service Areas with 30 with 45 minute travel time**  
**Without Factoria Transfer Station and the Northeast Recycling and Transfer Station is located at the end of SR 520**

- 30/45 minute Service Area**
- Renton
  - Shoreline
  - Northeast RST at end of SR 520 in Redmond

- Transfer Station
- Landfill
- Drop Boxes

- Transfer Station Service Areas**
- Algona
  - Bow Lake
  - Cedar Falls
  - Enumclaw
  - Closed** Factoria
  - NE RTS -Redmond
  - Renton
  - Shoreline
  - Vashon

### South County Scenario-A



# Conclusions

- Even without the proposed new facilities and closing existing facilities, most of the service area meets the 30-minute criterion (exceptions are Carnation and Duvall) and all would meet a new 45-minute criterion
- The drive time criterion is not critical for the transfer plan review



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