

## Transfer Station Study: Data Elements

Question		Data Elements
1	How might redirecting commercial volume impact...? a. Resource Recovery b. Capacity (Tonnage and Transactional c. Costs (One time and recurring, SWD, Hauler, tipping fee, collection cost) d. Elements of the environment (GHG, noise, traffic), e. Service (wait times, self-haul drive times to station) f. ESJ g. Other: existing permits	Cities to be redirected
		When would redirection happen (year or phased)
		Tonnage by city
		Tonnage by day at each station
		Transactions by weekday/weekend at each station
		Space required for garbage processing/total available space
		Space required for resource recovery
		How will spaces be allocated between commercial and self-haul
		Queues outside and inside station
		Current permit conditions
		SWD transportation impacts and costs (staff and trucks needed, fuel cost, GHG impacts)
		SWD operational impacts and costs (staff and equipment)
		SWD capital needs and costs
		New hauler routes
		Hauler one time and recurring expenses
		Hauler estimates of collection cost impacts
		Traffic impact and GHG analysis
		Noise impact analysis
		Census maps – ethnicity, languages, etc.
2	How might restricting self-haul access impact...? a. Resource Recovery b. Capacity (Tonnage and Transactional c. Costs (One time and recurring, SWD, Hauler, tipping fee, collection cost) d. Elements of the environment (GHG, noise, traffic),	What are the restricted days/hours
		When would restrictions begin (year or phased)
		When do self-haulers currently use the station
		How will self-haulers redistribute their use of the station in the restricted model
		Where are self-haulers coming from?
		Tonnage by weekday/weekend at each station
		Transactions by weekday/weekend at each station
		Space required for garbage processing/total available space
		Space required for resource recovery

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	e. Service (wait times, self-haul drive times to station) f. ESJ g. Other: existing permits	How will spaces be allocated between commercial and self-haul
		Queues outside and inside station
		Current permit conditions
		SWD transportation impacts and costs (staff and trucks needed, fuel cost, GHG impacts)
		SWD operational impacts and costs (staff and equipment)
		SWD capital needs and costs
		Noise impact analysis
		Traffic impact and GHG analysis
		Census maps – ethnicity, languages, etc.
		Self-hauler by customer type (residential, business)
		Comparison account holders vs. non-account holders and charge account requirements
3	How might building a NERTS impact...? a. Resource Recovery b. Capacity (Tonnage and Transactional c. Costs (One time and recurring, SWD, Hauler, tipping fee, collection cost) d. Elements of the environment (GHG, noise, traffic), e. Service (wait times, self-haul drive times to station) f. ESJ g. Other: existing permits	Tonnage by city
		Tonnage by weekday/weekend at each station
		Transactions by weekday/weekend at each station
		Space required for garbage processing/total available space
		Space required for resource recovery
		How will spaces be allocated between commercial and self-haul
		When do self-haulers currently use the station
		How will self-haulers redistribute their use of the stations
		Where are self-haulers coming from?
		Queues outside and inside station
		Current permit conditions
		SWD transportation impacts and costs (staff and trucks needed, fuel cost, GHG impacts)
		SWD operational impacts and costs (staff and equipment)
		New hauler routes
		Hauler one time and recurring expenses
		Hauler estimates of collection cost impacts
		Noise impact analysis

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Question		Data Elements
		Traffic impact and GHG analysis
		What are station days/hours
		What is station size/design
		What is property size
		What is location for analysis
		What permits will be required
		Environmental impacts of building NERTS
4	How might keeping Renton open versus closing it impact transactional capacity at the stations and at what cost?	Renton capacity and demand – tonnage and transactions
		Customer origin
		Queues outside and inside station
		Noise impact analysis
		Traffic impact and GHG analysis
		SWD transportation impacts and costs (staff and trucks needed, fuel cost, GHG impacts)
		SWD operational impacts and costs (staff and equipment)
		SWD capital needs and costs
		For what use, e.g., same as current, recycle only, etc.
		What station days/hours
		Census maps – ethnicity, languages, etc.
5	How might the addition of drop boxes impact transactional capacity at the stations and at what cost?	Facility location(s)
		Facility size and design
		Property size
		Property availability
		Drop box capacity
		How many customers would use
		When would drop boxes be operational
		Labor implications
		Operational costs

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6	How might web/mobile accessible data about wait times at transfer stations affect demand and at what cost?	What method to provide information
		Other jurisdictions experience
		System requirements
		System costs – capital and ongoing
7	How might weighing fewer customers impact transactional capacity at the stations and at what cost?	Weights of incoming loads
		Queues inside station
		Vehicle type
8	How might providing unloading assistance impact transactional capacity at the stations and at what cost?	Queues inside station
		Unloading times
		Staff needed
		Staff cost
		Liability
		How would providing assistance affect other traffic patterns at the station?
9	How might "Incentive/Peak" pricing impact transactional capacity at the stations and at what cost?	Where and when
		What would the incentive or peak price be
		Would it affect customer behavior
		What do we need to do to make this happen?
		Feasibility
		Effect on revenue
10	How might mandatory curbside collection of garbage affect self-haul demand at the stations?	Curbside subscriptions by type and by area
		Households by area
		What are customers bringing (is it waste that could be collected curbside)
		How many transactions could be diverted
		What would have to happen to implement countywide and timeline
11	How might extending hours of operation impact transactional capacity at the stations and at what cost?	Would customers use extended hours
		Staff cost
		Other operational costs – equipment, utilities
		Permit implications
		Neighborhood impacts

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12	How might a fee for extended time unloading time impact transactional capacity at the stations and at what cost?	Where are queues inside station
		Unloading times
		Other jurisdictions experience
		Liability (e.g., could "rushing" a customer create liability)
13	How might raising the minimum fee affect customer demand at the stations and at what cost?	Raising by how much
		Would it affect customer behavior
		Cost of other options – bulky collection, Got Junk
14	How might adding more scales at Factoria impact transactional capacity and at what cost?	Queues outside and inside station
		Capital cost – scales, lanes
		Customer by payment type
		Permit requirements
15	How might adding an off-site queuing lane at Factoria affect off-site impacts and at what cost?	Capital cost
		Aerial photos
		Queues outside station
		Permits required
16	How might material bans at stations impact transactional capacity and at what cost?	What materials and where
		Impact on recycling rate
17	How might a different Regional Direct fee affect demand at the stations and at what cost?	When fee was lower, where did regional direct waste come from
		Is private transfer station capacity available
		Impacts to haulers
		At what price point would it be worth it
		How much would haulers bring?
		Operational impacts, e.g., size of working face, equipment needed, staff
18	How would lower-cost curbside bulky collection affect self-haul demand?	Bulky materials in self-haul waste stream
		City contract costs and amounts collected
		At what price point
		What would it mean for overall collection cost