

Appendix E: Benchmarks

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	King County	Seattle	Snohomish County	Pierce County	Kitsap County
Tipping fees for garbage at transfer facility	\$129.40 per ton (\$120.17 + \$4.73 Moderate Risk Waste (MRW) surcharge + 3.6% state refuse tax) \$22 min. fee (covers first 320 pounds)	\$145 per ton (base rate includes MRW surcharge and 3.6% state refuse tax) \$30 min. fee (covers first 420 pounds)	\$108.78 per ton (\$105.00 + 3.6% state refuse tax) \$20 min. fee (covers first 360 pounds)	\$139.38 per ton \$25.59 min. fee for residential \$27.88 min. fee for commercial (covers first 400 pounds)	\$70.45 per ton (\$68 +3.6% state refuse tax) \$19 min. fee (covers first 539 pounds)
Other fees (also see below)					Bulky waste \$104.49 per ton (\$100.86 +3.6% state refuse tax)
Garbage tons at transfer facilities	2013 total 786,072 Self Haul (SH) 21% Commercial Haul (CH) 79% Algona 139,028 Bow Lake 242,584 Cedar Falls 3,208 Enumclaw 18,217 Factoria 117,111 Houghton 153,932 Renton 60,794 Shoreline 43,576 Skykomish 964 Vashon 7,622	2013 total 247,271 <u>North</u> SH 36,180 (45%) CH 44,182 <u>South</u> SH 37,839 (23%) CH 129,072	2013 total 412,445 SH 81,376 (20%) CH 331,069.15 (80%)	2013 total 56,913	2013 total 178,081 Unable to provide percentages self-haul vs. commercial haul at this time
Organics tons at transfer facilities	2013 total 7,577 Bow Lake 3,127 Shoreline 3,612 Enumclaw 486 Cedar Falls 352	2013 total 72,946 <u>North</u> SH 3,219 (19%) CH 14,172 <u>South</u> SH 3,070 (6%) CH 52,485	2013 total 9,324 SH 8,844 (95%) CH 480 (5%)	2013 total 36,711	2013 total 349 Unable to provide percentages self-haul vs. commercial haul at this time
Transactions at transfer facilities	2013 total 707,255 Self Haul (SH) 85% Commercial Haul (CH) 15% Algona 125,995 Bow Lake 157,312 Cedar Falls 17,419 Enumclaw 39,168 Factoria 92,644 Houghton 114,839 Renton 70,094 Shoreline 67,557	2013 total 264,857 <u>North</u> SH 130,168 (93%) CH 10,263 <u>South</u> SH 94,287 (76%) CH 30,139	2013 total 335,047 SH 267,358 (80%) CH 67,689 (20%)	no data available	2013 Olympic View Transfer Station 122,722 Unable to provide percentages self-haul vs. commercial haul at this time

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	Skykomish 2,768 Vashon 19,459				
Population (approximate)	Est. 1,385,000 (2013)	Est. 659,000 (2014)	Est. 746,000 (2013)	Est. 820,000 (2013)	Est. 230,000 (2013)
Cities served	37 cities/towns (all except Seattle and Milton), portions of Bothell in Snohomish Co., portions of Auburn and Pacific in Pierce Co., and unincorporated	Seattle	22 cities/towns (all except Bothell) and unincorporated	23 cities/towns (all except Tacoma and Ruston) and unincorporated	4 cities/towns and unincorporated
Area served (approximate)	2,050 sq. mi.	82 sq. mi.	2,087 sq. mi.	1,669 sq. mi.	395 sq. mi.
Number and type of transfer facilities	8 transfer stations, 2 drop boxes, and one recycling only area (Snoqualmie Pass)	2 transfer stations (North currently closed for rebuilding)	3 transfer stations and 3 drop boxes	3 transfer stations and 2 drop boxes	1 transfer station (Olympic View Transfer Station), 3 Recycling & Garbage Facilities (Hansville, Olalla, Silverdale) and 1 Recycle Center (Poulsbo). <i>All municipal solid waste collected at the recycling and garbage facilities is disposed at the Olympic View Transfer Station.</i>
Drive time to stations	see drive time maps	no data available	no data available	no data available	no data available
Recycling rate	53% (2013)	56.2% (2013)	44.5% (2013)		2013 Ecology report 34% recycling and 42% diversion

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Wait time	no data available	no data available	per 2012 customer survey: average wait time of just over 1 minute; 62% of customers reported no wait; 3% of customers reported a wait of 10 minutes or longer; 15 minutes was the longest reported wait time	at largest transfer station the longest wait time under normal operation is less than 2 minutes; exceptions: during the 10, 12 and 2:00 hour wait can be up to 10 minutes due to large number of commercial vehicles; wait times for smaller sites and yard waste tend to be longer	no data available																																																																
Time on site	<div>2014 <u>average</u> minutes on site (inbound scale to outbound scale)</div> <div>Weekday</div> <table><tr><th>Site</th><th>CH-Acct</th><th>SH-Acct</th><th>SH-Cash</th></tr><tr><td>Algona</td><td>13</td><td>12</td><td>13</td></tr><tr><td>Bow Lake</td><td>8</td><td>11</td><td>14</td></tr><tr><td>Enumclaw</td><td>9</td><td>8</td><td>12</td></tr><tr><td>Factoria</td><td>14</td><td>11</td><td>14</td></tr><tr><td>Houghton</td><td>11</td><td>13</td><td>13</td></tr><tr><td>Renton</td><td>10</td><td>9</td><td>11</td></tr><tr><td>Shoreline</td><td>9</td><td>10</td><td>14</td></tr></table> <div>Weekend</div> <table><tr><th>Site</th><th>CH-Acct</th><th>SH-Acct</th><th>SH-Cash</th></tr><tr><td>Algona</td><td>12</td><td>12</td><td>11</td></tr><tr><td>Bow Lake</td><td>9</td><td>15</td><td>13</td></tr><tr><td>Enumclaw</td><td>6</td><td>18</td><td>12</td></tr><tr><td>Factoria</td><td>12</td><td>13</td><td>12</td></tr><tr><td>Houghton</td><td>11</td><td>12</td><td>11</td></tr><tr><td>Renton</td><td>12</td><td>14</td><td>10</td></tr><tr><td>Shoreline</td><td>15</td><td>9</td><td>13</td></tr></table>	Site	CH-Acct	SH-Acct	SH-Cash	Algona	13	12	13	Bow Lake	8	11	14	Enumclaw	9	8	12	Factoria	14	11	14	Houghton	11	13	13	Renton	10	9	11	Shoreline	9	10	14	Site	CH-Acct	SH-Acct	SH-Cash	Algona	12	12	11	Bow Lake	9	15	13	Enumclaw	6	18	12	Factoria	12	13	12	Houghton	11	12	11	Renton	12	14	10	Shoreline	15	9	13	Average time on site at South Transfer Station: Contractor trips = 7.21 minutes; Self-Haul trips = 12.93 minutes.	no data available	average of about 18 minutes on site during the week, weekend peak average closer to 30 minutes	Two sets of information provided: 1. 2012 data for Olympic View Transfer Station: 14 minute median, 16 minute average 2. 2012 Olympic View Transfer Station annual average 24 minutes (all customers, 7 days a week, time starts at inbound scale window and ends at outbound scale window)
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Radio-Frequency Identification (RFID)/Tare Weights	weigh all vehicles, except flat fee, in and out (no tare or RFID used)	collect weight information on all vehicles, even flat fee; tried using tare weights but had “terrible issues” so stopped; use RFID for contract haulers, Seattle Housing Authority, Seattle Parks, and Goodwill - they come in unattended and the RFID operates the gate, they select whether they are bringing garbage or yard waste, and leave via an unattended lane	use RFID for franchise haulers, and one of their sites also has some tare weights stored for some commercial customers	weigh all vehicles in and out (no tare or RFID used)	cannot use RFID due to their proximity to an airport, use tare weights for some commercial haulers
Other information	unattended outbound scale in use at Algona and Bow Lake; unattended service at Skykomish	for self-haul, they have a system “like the airport” where a ticket could be used at an unattended kiosk on the way out to pay, but they have not implemented that yet; all self-haul, even flat fee customers, pay on the way out			

Additional Information

1. City of Tacoma

All fees are based on one half-hour unloading time. When unloading time exceeds one half-hour, an additional fee of \$12.25 for each half-hour increment will be charged. Unloading times are determined by an automated scale system. Any vehicle still being unloaded past closing time may be assessed an additional fee. Per the City, the additional fee is rarely charged.