

Attachment A

Cowlitz Landfill Cost (estimated from SR-14 Project)

Total Wet Tons (w/overage)	18,886	Overage = 15 trips x 28 tons/trip (420tons)
Hauling Cost	286,663	18886 tons/28= 674.5 trips (x \$425/trip)
Tipping Fee	377,720	18886 x 20/ton
Collection Tax 3.6%	13,598	Tipping Fee x .036
Equipment, loader	3,600	
County Overhead	86,104	(Hauling + Tipping) x .1296
Total	767,684	
Cost per Wet Ton	\$ 40.65	

Cost to SR-14 Project (estimations)

Total Wet Tons	18,466	
Hauling Cost	253,750	add in extra costs for decant and overage
Screening Cost	39,969	
Collection Tax 3.6%	302	only charged for non-reuse (overage)
Equipment, multiple	21,600	
County Overhead	32,886	Hauling * .1296
Operator - Labor	7,500	safety - screening - equipment ops
Planting/Ground Cover	63,438	hauling cost divided by 4 (fill dirt & seed)
Overage Disposal	14,026	
Total	451,937	
Cost per Wet Ton	\$ 24.47	

WHATLEY COSTS (examples based on scale weights)

Date	Time	Truck Weight Heavy (after removing excess water)	Truck Weight Light (2nd Weight for dewatered decant)	Difference (Weight of Solids to Pad)	DECANT	SWEEPINGS	Agency	Location where material was picked up	C = Commercial R= Residential M= Multi-Family	Driver Initials	Import Decant cost/WT \$61	Import Sweepings cost/WT \$36	Import Cost to Agency for Reuse Solids*
1/1/2011	1:00	60000	52400	7600	1		Clark Co.	1st and Foremost Street	R	TD	61.00		231.80
1/1/2011	2:00	60000	58000	2000	1		Clark Co.	2nd Toonun Road	R	TD	61.00		61.00
1/1/2011	3:00	30000	22400	7600		1	Clark Co.	20 Lane / Bo-Ling Alley	R	TD		36.00	136.80
1/1/2011	4:00	30000	28500	1500		1	Clark Co.	Outathee Way	R	TD		36.00	27.00

* Reuse solids are local sites where solids are distributed by partners for a reuse purpose. Solids that are not reused are subject to additional costs (currently an additional \$16/WT).

Assumptions, Calculations & Notes

Scale weight (difference) divided by 2000 = Wet Tons imported to facility
Decant cost based on Decant estimated budget, divided by estimated wet tons (based on trip count - re. no scale in 2015) 112520/2800 = \$40.19
Sweepings cost based on Sweepings budget divided by estimated wet tons (based on trip counts - re. no scale in 2015) 105120/7000 = \$15.02
10% weight degradation of solid materials to Landfill disposal operations (overage not separated): 40.65 - 4.07 = \$36.58
15% total weight loss of material (degradation & overage) assumed during solids reuse activities: 24.47 - 3.67 = \$20.80
Decant (Import) cost : 40.19 + 20.80 = 60.99 (rounded to \$61)
Sweepings (Import) cost: 15.02 + 20.80 = 35.82 (rounded tp \$36)

Hauling Reimbursement Data

Local Haul Rate for 2017: **\$6.43/ton**
(Local is < 20 miles from Whatley)

Long Haul Rate for 2017: **\$15.25/ton**
(Long is >20 miles from Whatley)