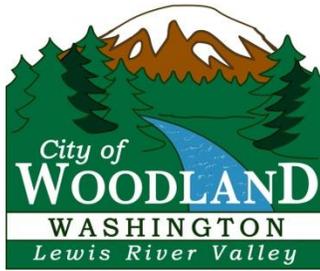


## T. Memo Solid Waste Agreement amendment & tipping fees



City Council Memo

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**Date:** August 22, 2013

**From:** Bart Stepp, PE, Public Works Director

**To:** City Council, Mayor, and Department Heads

**Subject:** Solid Waste Issues and Waste Control

### Headquarters Landfill Costs

On August 14<sup>th</sup> I attended a meeting of the Cowlitz County Solid Waste Advisory Committee. The primary purpose of the meeting was to receive an update on the Headquarters Landfill Acquisition and Re-permitting Project and to make an advisory recommendation to the Cowlitz County Commissioners on a rate increase to support the purchase and operation of the new Headquarters Landfill. Attached with this memo is a copy of the packet for that meeting.

The current tipping fee that the City of Woodland and all other municipalities pay in Cowlitz County is \$37.30/Ton of Municipal Solid Waste (MSW). This is the cost to process waste at the transfer facility and to dispose of it at the landfill. The variable cost between the Cities is the cost to collect MSW and haul it to the transfer facility for processing.

In late November of 2013 the current landfill at Tenant Way will be full and have to close. The goal of the county is to have the Headquarters Landfill purchased and operational by that time. The proposed tipping fee to use the Headquarters Landfill which was voted on by the Solid Waste Advisory Committee, which I am not a voting member, is \$49/Ton. The increase is needed to pay for the debt on the \$35 Million Bond to purchase the landfill, a \$10 Million project to install a leachate line from the landfill to the Three Rivers Treatment Plant, other capital upgrades, as well as the additional hauling costs to transport MSW to the Headquarters Landfill. At the rate of \$49/Ton the price is still the cheapest of any county in Western Washington. Clark County is at \$87.31/Ton, Lewis \$84.95/Ton, Skamania \$150/Ton, and Wahkiakum \$140/Ton. The alternative to purchasing the Headquarters Landfill was long hauling the waste by train to Eastern Washington which was substantially more expensive than the landfill. A chart in the meeting attachment illustrates the difference in costs over time.

While the tipping fee increase is over 32%, residents will not see that level of increase in their bills. This is because the tipping fee is only a portion of the costs to determine garbage rates. The spreadsheet on the next page shows the increase to the resident to pay for the tipping fee increase would be \$0.48 a month or 4.4%.

<b>Impacts to Woodland Solid Waste Rates</b>		
2013 Residential Garbage Rate:	\$ 10.96	per month
Woodland Municipal Solid Waste Handled:	2,370	tons in 2013 (est.)
Revenue from rates:	\$ 720,823	\$ in 2012
Increase in revenue needed:	\$ 27,729	(=2,370 tons*\$11.70)
15% Administration Fee	\$ 4,159.35	Existing percentage
Total New Revenue Needed	\$ 31,888.35	
Percentage increase in revenue:	4.4%	(= \$31,888/\$720,823)
Rate increase needed:	\$ 0.48	(=\$10.96 *4.4%)
Rates after new tip fee	\$ 11.44	(=\$10.96 + \$0.48)
The 4.4% increase would apply equally to all residential and commercial rates.		

Study into allowing the use of smaller garbage cans

Last year council asked staff to look into the use of smaller garbage cans for residents. Staff discussed the issue with Waste Control and reviewed options.

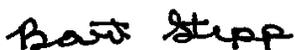
Waste Control's costs can be broken down into two major components. The first component would be the tipping fee which is the cost to process MSW at the transfer facility and dispose of it at a landfill. This cost is based upon the tonnage Waste Control receives from Woodland. Allowing residents to use a smaller can would not lower these costs because people would not be using less waste, just a smaller can.

The second component is the cost to collect the waste and dispose of it at the transfer facility. Waste Control would be using the same vehicles and manpower to collect waste from a smaller can as they do for a larger can. In addition there would be some capital cost involved with supplying the smaller cans and retrofitting their trucks to be able to grab the smaller cans. For this component costs would actually increase because of the upfront capital costs.

Thus the City would receive no reduction in cost from Waste Control for allowing a smaller can size, in fact costs would increase. Other issues would include customers who need a larger can size signing up for the smaller size and packing garbage in so tightly the garbage is stuck inside and does not fall out when lifted by the truck.

Staff recommends that the City stick with the current policy on garbage can size.

Sincerely,



Bart Stepp, PE  
City of Woodland  
Public Works Director



**DEPARTMENT OF PUBLIC WORKS**

**SOLID WASTE DIVISION**

1600 – 13<sup>th</sup> Avenue South  
Kelso, WA 98626  
TEL (360) 577-3030  
FAX (360) 636-0845  
Washington Relay Service 711 or (888) 833-8633

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JUL 31 2013

CITY OF WOODLAND

[www.co.cowlitz.wa.us/publicworks/](http://www.co.cowlitz.wa.us/publicworks/)

**MEMORANDUM**

**TO:** Solid Waste Advisory Committee Members

**FROM:** Don Olson, Solid Waste Superintendent *DO/AF*

**SUBJECT:** SWAC Meeting Announcement

**DATE:** July 30, 2013

A SWAC meeting has been scheduled for the date, time and location listed below:

Wednesday, August 14, 2013  
1:30 p.m.  
General Meeting Room, Third Floor  
Cowlitz County Administration Building  
207 Fourth Avenue North  
Kelso, WA 98626

A meeting has been scheduled to provide you with an update on the Headquarters Landfill purchase and re-permitting project. Bob Guide has resigned from the committee so we will be looking forward to an action item to elect a new chair. David Sypher has agreed to serve as acting chair for this meeting. In your packets you will find items dealing with Solid Waste Rates. I will be reviewing these and presenting staff recommendation for a rate increase on disposal fees from \$37.30 per ton to \$49 per ton. This will be an advisory recommendation to the Board of Cowlitz County Commissioners and to the Solid Waste Governance Committee.

As you know our by-laws require a quorum to take official action so your attendance or appointment of a designee to attend in your place is important. As is our customary practice, if you are unable to attend the meeting, please notify Amy Filippello at (360) 577-3030, or via email at [filippelloa@co.cowlitz.wa.us](mailto:filippelloa@co.cowlitz.wa.us) as soon as possible. Since we have several new committee members, I have included an updated roster.

Should you have questions prior to the meeting, please free to contact me at your convenience, otherwise I look forward to seeing you on August 14th.

DO:af  
Enclosures

# Solid Waste Advisory Committee

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**August 14, 2013 -- 1:30 p.m.**  
County Administration Building  
General Meeting Room, Third Floor  
207 Fourth Avenue North, Kelso, Washington

## AGENDA

1. CALL TO ORDER – *David Sypher (Acting Chair)*
2. INTRODUCTION OF MEMBERS AND GUESTS – Determination of Quorum
3. CONSIDERATION OF MINUTES FROM PREVIOUS MEETING
  - Meeting Minutes of February 22, 2012
4. OLD BUSINESS
  - Update on Headquarters Landfill Acquisition and Re-permitting Project  
*Don Olson- Cowlitz County Solid Waste Superintendent*
5. NEW BUSINESS
  - Elect New Chair of Solid Waste Advisory Committee  
*Action Item - SWAC*
  - Review of Proposed Solid Waste Rates  
*Don Olson-Cowlitz County Public Works*
  - Motion to make advisory recommendation to Cowlitz County Commissioners and Solid Waste Governance Committee on proposed rate increase. If favorable motion would include recommendation to change Cowlitz County's Solid Waste Ordinance 15.34.020 Fees.  
*Action Item - SWAC*
6. PUBLIC COMMENT, DISCUSSION, QUESTIONS / ANSWER PERIOD

7. ANNOUNCEMENTS

Next SWAC meeting *September 11, 2013 (if needed)*

8. ADJOURN

# Solid Waste Advisory Committee

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MEETING MINUTES  
February 22, 2012 - 1:30 P.M.  
General Meeting Room

1. **CALL TO ORDER**

Chairman Guide called the meeting to order at 1:30 p.m.

2. **ROLL CALL AND DETERMINATION OF QUORUM**

**INTRODUCTION OF MEMBERS AND GUESTS**

Introductions were made, and a quorum was present. Cowlitz County SWAC members in attendance: John Leber, Joe Willis, Larry Fulcher, Bob Guide, David Sypher, Greg Hannon, Josh Johnson.

Ex-officio members present: Don Olson, Steve Harvey.

Others in attendance: Erik Bakkom, Seth Otto, Amy Filippello, Elmer Nofziger, Nelson Graham, Ken Stone, Clark Gardner, Kristen Font, George Raiter, Chris Bischoff, Pansy Nofziger.

3. **CONSIDERATION OF PREVIOUS MINUTES**

At the end of discussion about Chapter 12, Mr. Guide recommending adding the following: "These revisions were approved electronically by a majority of the SWAC."

*Mr. Hannon moved to approve the minutes of the September 14, 2011, meeting with the addition to Chapter 12 discussion. Mr. Willis seconded the motion and the motion carried unanimously.*

4. **OLD BUSINESS**

**Update on Headquarters Landfill Acquisition:** Chairman Raiter provided an update on the Headquarters Landfill purchase process. The Commissioners and staff met yesterday with mill managers to address a final complication. Permitting will take 6 to 18 months and the process should begin within the month. The BOCC continues to be optimistic that the purchase is viable.

Mr. Olson noted that there was a public comment period on the draft SWMP and a public presentation was held on October 20, 2011. One member of the public submitted written comments, which are included in the packet for this meeting. Also included for this meeting are the 120 day review comments from DOE.

## 5. NEW BUSINESS

**Solid Waste Management Plan Update – Review of red-line changes to draft plan resulting from Ecology and Public review.**

Page 1-12, third bullet, the reference to June 2010 should be changed to January 2012.

Page 2-1, MSW, the sentence that was stricken should also include the words “and the Headquarters Landfill”.

Page 7-4, Weyerhaeuser MRF, the last sentence should read, “Should the Headquarters Landfill be sold, Weyerhaeuser intends that the MRF will no longer accept third-party waste.”

Page 8-11, section 8.4.2, Acquire Headquarters Landfill, the June 2012 date should be changed to August 2012.

Page 8-12, last paragraph, the February 21, 2012, date should be changed to March 2012.

### **Appendix E**

1.11.1 Moving Toward Beyond Waste with Industries. This appendix is mentioned in the plan. A new column three was added as requested by Ecology, which cites everything in the plan that is applicable to the goals.

Page 1 of 16, third line in last text box of third column under SWM Plan, Section 3.7 #5, page 3-9, the reference to “water-reduction” should say “waste-reduction”.

Page 9 of 16, second to last paragraph in third column under SWM Plan, Section 3.7 #2, page 3-8, the reference to “Count” should be “County”.

*Mr. Leber moved to accept the changes made today and authorize Maul Foster & Alongi to complete the final draft of the SWMP. Mr. Willis seconded the motion and the motion carried unanimously.*

### **Overview of Solid Waste Management Plan Adoption Process**

Mr. Olson presented a timeline for the adoption process. Mr. Guide recommended that the committee authorize Mr. Olson and Mr. Guide to act upon minor changes from DOE via email or to schedule a SWAC meeting. *Mr. Leber moved to authorize Mr. Olson and Mr. Guide to act upon minor changes from DOE via email or schedule a SWAC meeting as deemed necessary. Mr. Willis seconded the motion and the motion carried unanimously.*

**Motion to accept 2011 SWMP as complete and submit for SEPA review and if no additional changes result, forward to Cities and BOCC for adoption by resolution.**

*Mr. Hannon moved to accept the 2011 SWMP as complete with changes and submit to DOE for SEPA review. Mr. Sypher seconded the motion and the motion carried unanimously. Mr. Hannon moved to forward the SWMP to Cities and BOCC for adoption by resolution if no additional changes are made. Mr. Willis seconded the motion and the motion carried unanimously.*

**6. PUBLIC COMMENT, DISCUSSION, QUESTIONS / ANSWER PERIOD**

Mr. Nofziger asked if this process is just to accept the plan and doesn't have anything to do with the purchase of the Headquarters Landfill? Mr. Guide answered yes, they are two separate processes.

Mr. Gardner asked about running a leachate line from the landfill to Lexington? Don stated that is something that would have to be studied.

Mr. Olson expressed appreciation to the committee for their efforts to complete review of the plan.

Mr. Nofziger asked when the next public comment opportunity will be. Mr. Olson answered that there is a SEPA compliance comment period if the purchase of the landfill is pursued. Mr. Gardner and Mr. Nofziger didn't think the public got enough opportunity for involvement. Mr. Olson stated that the media was notified of all meetings. Additionally, the SWAC allows for 3 members of the public at large to be members. Mr. Guide felt that the plan itself is not contentious. Mr. Guide stated that the committee is a broad representative of the community to provide a structured method for the community to be heard. Mr. Gardner thought the meetings weren't well advertised and that most people work and cannot attend the meetings as scheduled.

**7. ANNOUNCEMENTS**

**NEXT COWLITZ COUNTY SWAC MEETING**

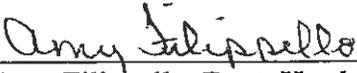
The next SWAC meeting will be held May 2, 2012 if needed.

**8. ADJOURN**

There being no further business, the meeting was adjourned at 2:25 p.m.

ADOPTED: \_\_\_\_\_

RESPECTFULLY SUBMITTED,

  
\_\_\_\_\_  
Amy Filippello, Dept. Head Secretary

**COWLITZ COUNTY  
SOLID WASTE ADVISORY COMMITTEE**

**MEMBER ROSTER**

NAME	ADDRESS	PHONE & E-MAIL	TERM
<b>Gregg Hannon</b>	City of Longview P.O. Box 128 Longview, WA 98632	(360) 442-5004	March 15, 2015
		<a href="mailto:gregg.hannon@ci.longview.wa.us">gregg.hannon@ci.longview.wa.us</a>	
<b>Larry Fulcher</b>	Weyerhaeuser Company P.O. Box 188 Longview, WA 98632	(360) 274-8102 or (360) 578-4435	March 15, 2014
		<a href="mailto:Larry.fulcher@weyerhaeuser.com">Larry.fulcher@weyerhaeuser.com</a>	
<b>David Sypher</b>	City of Kelso 203 S Pacific Kelso, WA 98626	(360) 423-1371	March 15, 2014
		<a href="mailto:david.sypher@kelso.gov">david.sypher@kelso.gov</a>	
<b>John Leber</b>	240 Tennant Way Longview, WA 98632	(360) 414-9663	March 15, 2014
		<a href="mailto:exec@swansonbark.com">exec@swansonbark.com</a>	
<b>Joe Willis</b>	Waste Control P.O. Box 148 Kelso, WA 98626	(360) 425-4302	March 15, 2015
		<a href="mailto:jwillis@wcrecycling.com">jwillis@wcrecycling.com</a>	
<b>Adam Smee</b>	City of Kalama P.O. Box 1007 Kalama, WA 98625	(360) 673-3265	March 15, 2014
		<a href="mailto:asmee@kalama.com">asmee@kalama.com</a>	
<b>Josh Johnson</b>	2987 Madrona Longview, WA 98632	(360) 636-3136 or 442-5210	March 15, 2014
		<a href="mailto:josh.johnson@ci.longview.wa.us">josh.johnson@ci.longview.wa.us</a>	
<b>Vacant</b>	Citizen Position		
<b>Vacant</b>	Citizen Position		

**COWLITZ COUNTY  
SOLID WASTE ADVISORY COMMITTEE**

**EX-OFFICIO ROSTER**

NAME	ADDRESS	PHONE & E-MAIL
<b>Scott Patterson</b>	Cowlitz/Wahkiakum Council of Governments 207 Fourth Avenue N Kelso, WA 98626	(360) 577-3041
		<a href="mailto:spatterson@cwccog.org">spatterson@cwccog.org</a>
<b>Don Olson</b>	Solid Waste Superintendent Cowlitz County Public Works 1600 – 13 <sup>th</sup> Avenue South Kelso, WA 98626	(360) 577-3125
		<a href="mailto:olsond@co.cowlitz.wa.us">olsond@co.cowlitz.wa.us</a>
<b>Michael A. Karnofski</b>	Board of County Commissioners Cowlitz County 207 Fourth Avenue North Kelso, WA 98626	(360) 577-3020
		<a href="mailto:karnofskim@co.cowlitz.wa.us">karnofskim@co.cowlitz.wa.us</a>
<b>Chris Bischoff</b>	Cowlitz County Dept. of Building and Planning 207 Fourth Avenue N Kelso, WA 98626	(360) 577-3052
		<a href="mailto:bischoffc@co.cowlitz.wa.us">bischoffc@co.cowlitz.wa.us</a>
<b>Elaine Placido</b>	Cowlitz County Dept. of Building & Planning 207 Fourth Avenue N Kelso, WA 98626	(360) 577-3052
		<a href="mailto:placidoe@co.cowlitz.wa.us">placidoe@co.cowlitz.wa.us</a>
<b>Dave Vorse</b>	City of Castle Rock Department of Public Works P.O. Box 370 Castle Rock, WA 98611	(360) 274-7478
		<a href="mailto:crpw@ci.castle-rock.wa.us">crpw@ci.castle-rock.wa.us</a>
<b>Julie Robertson</b>	WA State Dept. of Ecology SW Regional Office P.O. Box 47775 Olympia, WA 98504-7775	(360) 407-6471
		<a href="mailto:julie.robertson@cey.wa.gov">julie.robertson@cey.wa.gov</a>



**Headquarters Landfill Capital Expenditures (May 7, 2013)**

Description	Cost	Date to Fund
Purchase of Landfill	\$ 19,000,000	Sep-13
Excise Tax	\$ 150,000	Sep-13
1600 Road Cost Sharing -28K fill, 5K cut	\$ 155,000	Sep-13
1600 Road Cost Sharing- County Extras	\$ 51,190	Sep-13
Purchase D8 Dozer	\$ 750,000	Dec-13
Paving of Entry Roads (7000 ft.)	\$ 500,000	Aug-14
Cell 6 (2.39 acres)	\$ 742,200	Jul-14
Septic System Replacement	\$ 15,000	Aug-14
Leachate Pipeline*	\$ 10,357,059	Dec-14
Gas System Upgrades	\$ 1,000,000	Nov-14
Curve Widening S. Silver Lake Rd.	\$ 300,000	Nov-14
Scale System Development	\$ 300,000	Dec-14
Electrical System Upgrade	\$ 250,000	Dec-14
Leachate Pond Reline	\$ 170,000	Aug-15
Cell 7 Development (16.37 acres)	\$ 6,576,665	Aug-15
<b>TOTAL</b>	<b>\$ 40,317,114</b>	

**Equipment, Land and Facilities Fund**

Date	Balance	Loans	Total ELF
Jan-13	\$ 14,357,833	\$ 859,178	\$ 15,217,011

**Funding Recommendation:**

- \*Borrow \$35M (including \$350K fees) with 20 year issue, annual bond payment of approx. \$ 2,471,383.
- \*Additional expenditures of \$5.67M to come from ELF Fund leaving cash balance around \$8.69M
- \*Of the \$8.69M will dedicate \$2.7M to serve as bond insurance leaving \$5.99M cash flow in ELF
- \*\$2,471,383 bond payment spread over 400K annual tons = \$6.17/ton debt.
- \* Meet with Solid Waste Governance Committee (July) to notify of rate increase in Dec 2013 to \$49 per ton
- \*Meet with Solid Waste Advisory Committee (Aug) to request rate increase to \$49
- \*Give WUTC Haulers 90 day notice of rate increase (Aug 15th)

## Headquaraters Landfill Projected 2014 Waste Stream

(D. Olson June 2013)

Year	Cowlitz MSW Tons (a)	Weyco- Cowlitz Tons	HQLF CDL Cowlitz Tons	Other Out of County Weyco Tons	Other Out of County Tons	Auto Shredder Fluff as ADC (tons)	KapStone Tons	Total Tons
2000	81,669	218,545	3,483	30,309	5,264			
2001	78,147	208,600	6,817	30,203	10,773			
2002	82,770	203,200	6,700	27,300	23,300			
2003	85,771	214,000	4,200	24,200	13,400			
2004	92,151	196,000	2,900	23,400	15,600			
2005	102,307	161,000	3,300	29,500	35,100			
2006	106,885	198,000	14,600	31,800	50,300			
2007	109,134	180,700	4,500	17,700	50,800			
2008	105,506	174,900	4,200	9,300	25,200			
2009	96,165	144,700	4,800	1,900	65,500	31,300	27,167	371,532
2010	98,519	167,700	5,300	6,400	59,100	24,000	30,683	391,702
2011	96,460	162,100	4,200	1,600	61,300	29,000	30,659	385,319
2012	96,390	173,400	3,500	200	81,600	25,100	32,379	412,569
2013	96,884	164,300	4,450	200	66,875	27,350	32,379	392,438
2014	96,400	164,300	4,450	200	66,875	36,000	32,400	400,625

(a)- includes Wahkiakum County Tons

**15.34.020 Fees.**

The rates and fees for waste disposal at Cowlitz County disposal sites, effective December 1, 2013, shall be as follows:

	Item	2013 Rate <sup>1</sup>		
		Landfill	Transfer Station	Drop Box Facility
1.	Carts/garbage cans or bags (1 – 3) <sup>2</sup>	not accepted	\$49/ton <sup>4</sup>	\$3.86
2.	Additional cans or bags	not accepted	\$49/ton <sup>4</sup>	\$1.45/ea
3.	Pickups/trailers	not accepted	\$49/ton <sup>4</sup>	\$13.51/ea <sup>3</sup>
4.	Pickups/trailers <sup>3</sup>	not accepted	\$49/ton <sup>4</sup>	\$8.20/cy <sup>5</sup>
4.	Refuse trucks and drop boxes	not accepted	\$49/ton <sup>4</sup>	not accepted
5.	Semi-trucks/trailers	\$26/ton	\$49/ton <sup>4</sup>	not accepted
7.	Tires – Passenger <sup>6</sup> (1 – 10 tires)	not accepted	\$1.25/ea	not accepted
8.	Tires – Truck <sup>6</sup> (1-10 tires)	not accepted	\$6.00/ea	not accepted
9.	Tires <sup>6</sup> – (over 10 tires)	not accepted	\$115.00/ton	not accepted
10.	Appliances(with Freon) <sup>7</sup>	not accepted	\$8.00/ea <sup>7</sup>	not accepted
11.	Hard to Handle	\$50/ton	set by vendor	not accepted
12.	Asbestos, Animal Carcasses, Vector Waste	not accepted	set by vendor	not accepted
13.	Tipper fee	\$1/per ton	not applicable	not applicable
14.	Debris containing drywall <sup>8</sup>	\$26/ton <sup>8</sup>	\$76/ton	not accepted <sup>8</sup>
15.	Disabled veterans discount	not accepted	Credit up to \$14.00 per load	Credit up to \$14.00 per load
<p><sup>1</sup> All rates subject to additional 3.6% refuse collection tax.</p> <p><sup>2</sup> Can or bag is equivalent to a 33-gallon container.</p> <p><sup>3</sup> Dual wheel or tandem axle units or all units over 48 sq. ft. in bed area charged by applicable tonnage or cy rate.</p> <p><sup>4</sup> Minimum charge of \$3.86 per load.</p> <p><sup>5</sup> 5-cubic-yard limit; minimum charge of \$8.20/cy per load.</p> <p><sup>6</sup> Tires on rims – additional cost each tire – \$3.00 passenger, \$10.00 truck.</p> <p><sup>7</sup> Appliances with Freon charged Freon removal fee plus disposal fee by ton.</p> <p><sup>8</sup> Incidental amounts acceptable (defined by air discharge permit).</p>				

### Headquarters Landfill known cost vs. 2011 SWMP Costs

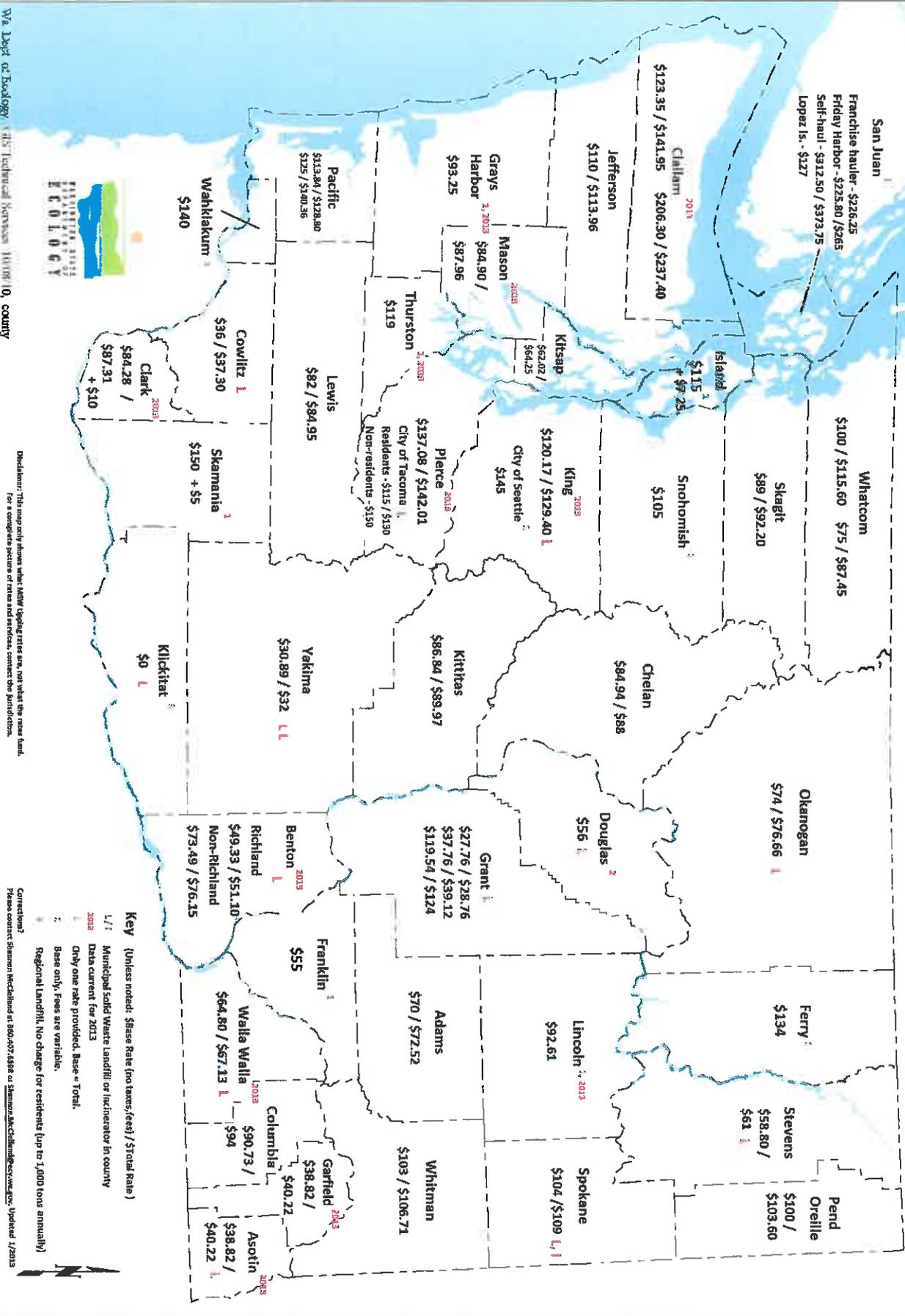
Fixed Costs	2011 Plan Cost	Current Cost Estimate	Increased Cost
Leachate Pipeline	6,800,000	10,340,000	3,540,000
Cell Sequencing Change	4,625,000	6,576,000	1,951,000
D-8 Dozer purchase 2013	0	750,000	750,000
1600 Road Realignment	50,000	200,000	150,000
Electrical Upgrade	-	250,000	250,000
Pond Relining	-	170,000	170,000
Drainfield Replacement	-	15,000	15,000
Permit HQ Landfill	1,000,000	1,800,000	800,000
Subtotal	12,475,000	20,101,000	7,626,000

Operating Costs- Annually	Above 2011 Est.	10 year impact
Hauling from TS to HQLF	50,000	500,000
Transfer Station Ops Cost	131,000	1,310,000
Annual Operating Permits	75,000	750,000
Subtotal	256,000	2,560,000

Total impact for first 10 Years of operation	\$ 10,186,000
--	---------------

Notes: Will require set aside of \$2.7M to avoid bond insurance premium  
 ELF fund return on investment average of 5% in 2007 to 0.16% for past 12 months  
 Decrease in fund interest from \$565K in 2007 to \$28K in 2012.

# Municipal Solid Waste Tipping Fees (per ton) - 2012



Disclaimer: This map only shows what MWLF tipping rates are, not what the rear haul. For a complete picture of rates and services, contact the jurisdiction.

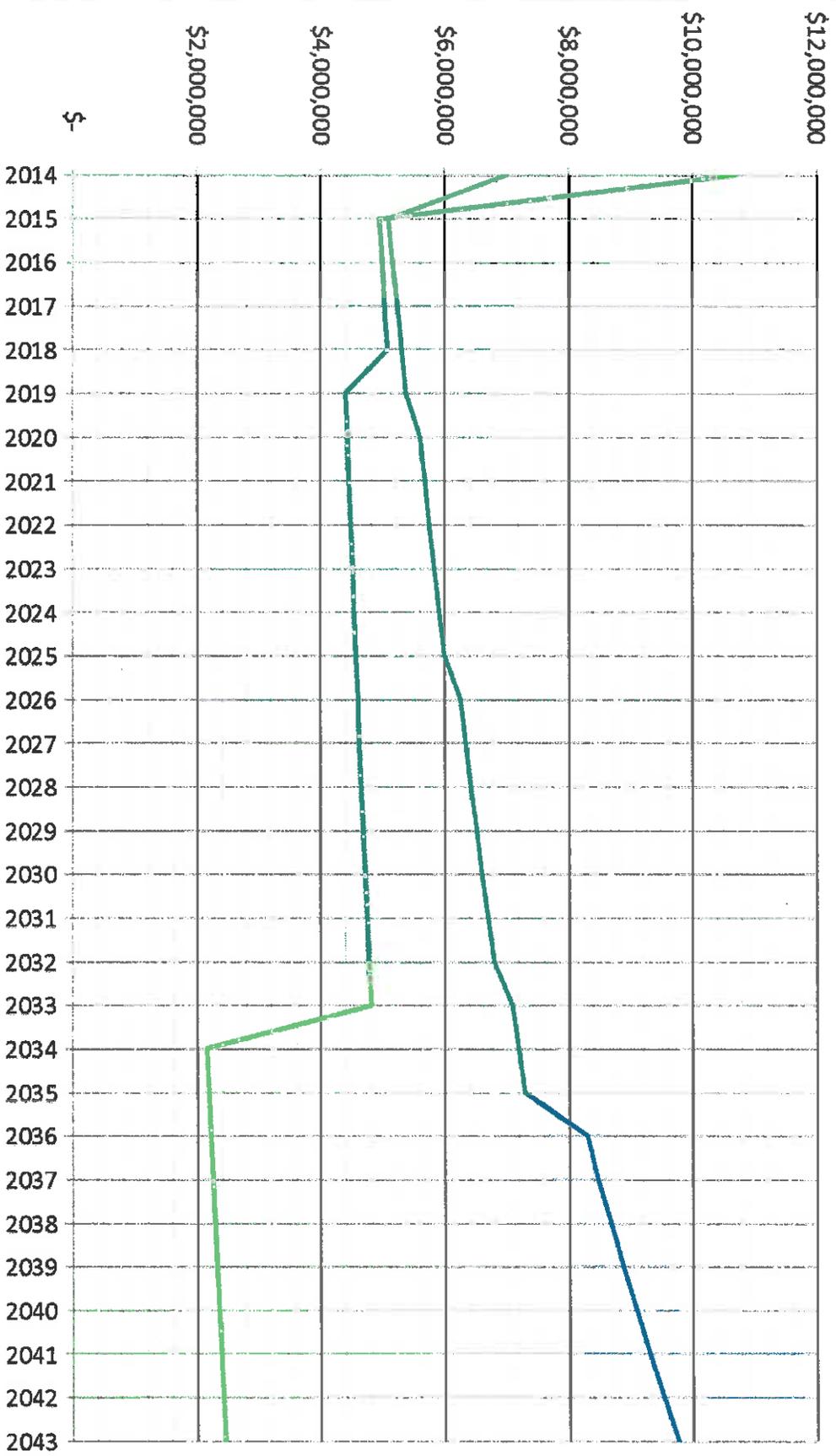
**Key** (Unless noted: \$base Rate (no taxes/fees) / \$Total Rate)

- 1/1 Municipal Solid Waste Landfill or Incinerator in county
- 2013 Data current for 2013
- Only one rate provided. Base = Total.
- Base only. Fees are variable.
- Regional landfill. No charge for residents (up to 1,000 tons annually)

**Corrections:**  
Please contact Shannon MacClelland at 509.497.8498 or [Shannon.McClelland@ecology.wa.gov](mailto:Shannon.McClelland@ecology.wa.gov). Updated 1/2/2013



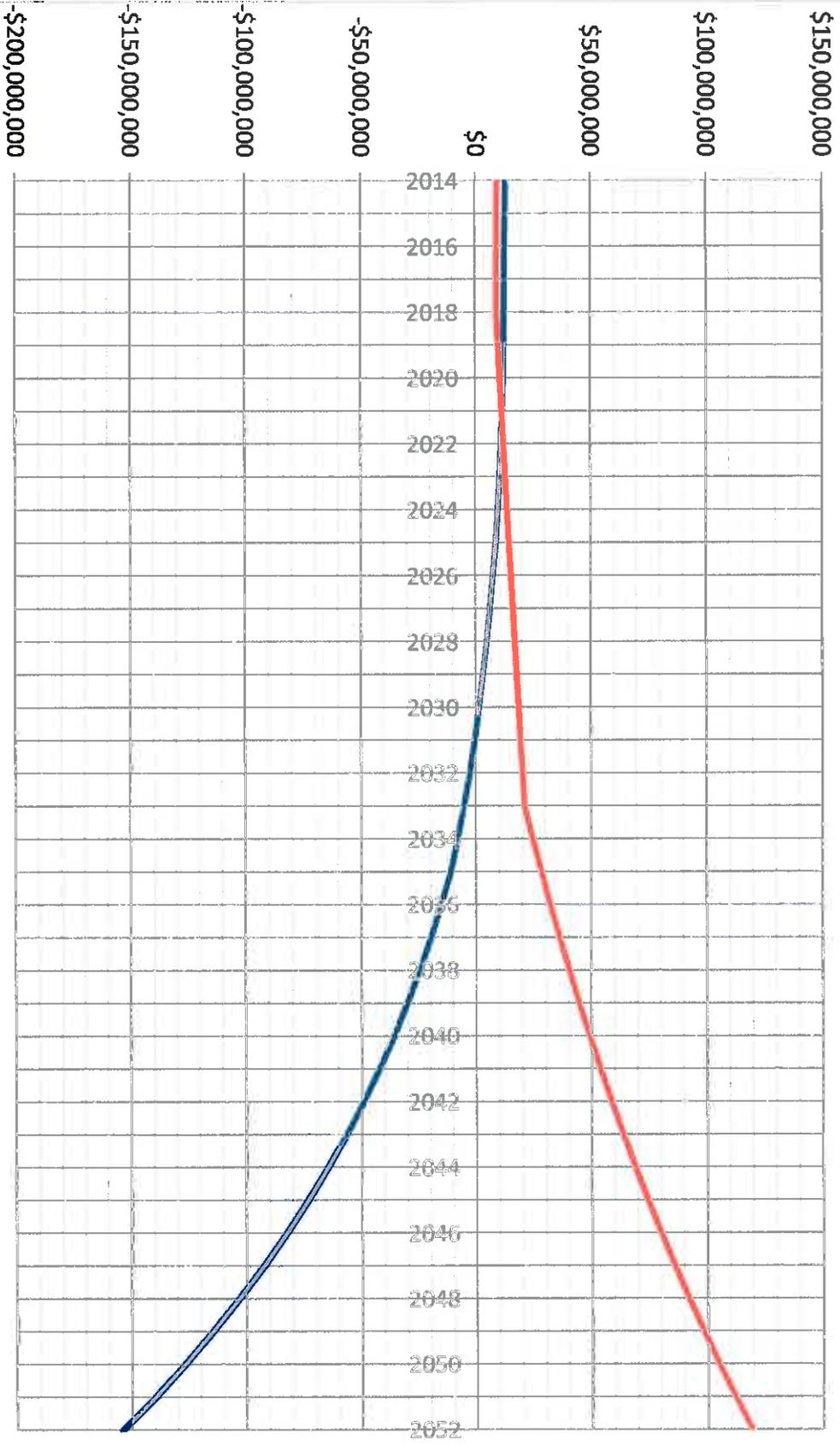
# Municipal Solid Waste Disposal Options Costs



— LONGHAUL  
— HEADQUARTERS

# Solid Waste Fund Balance

— Long Haul Fund Balance  
— Headquartes Landfill Fund Balance



## Projected Curbside Garbage Rate Impacts

**Tipping fee increase from \$37.30 per ton to \$49 per ton  
Increase of \$11.70 per ton**

### Impacts to Kelso Residential Rates

2013 Residential Rate:	\$	11.09	per month
Disposed:		8,346	tons in 2012
Revenue from rates:	\$1,309,809		\$ in 2012
Increase needed:	\$	97,648	(=8,346 tons*\$11.70)
Percentage of revenue:		7.5%	(= \$97,648/\$1,309,809)
Rate increase needed:	\$	0.83	(=\$11.09 *7.5%)
Rates after new tip fee	\$	11.92	(=\$.83 + \$11.09)

Note: Kelso paid \$321,173 to dispose of 8,346 tons in 2012 or 24.5% of revenue goes to disposal fees

Prepared by: Don Olson June 14, 2013

## Projected Curbside Garbage Rate Impacts

**Tipping fee increase from \$37.30 per ton to \$49 per ton  
Increase of \$11.70 per ton**

### Impacts to Longview Residential Rates

2013 Residential Rate:	\$	16.39	per month
Disposed:		25,453	tons in 2012
Revenue from rates:	\$	4,659,870	\$ in 2012
Increase needed:	\$	297,800	(=25,453 tons*\$11.70)
Percentage of revenue:		6.4%	(= \$297,800/\$4,659,870)
Rate increase needed:	\$	1.05	(=\$16.39 *6.4%)
Rates after new tip fee	\$	17.44	(=\$16.39 + \$1.05)

Note: Lv paid \$950,041 to dispose of 25,453 tons in 2012 or 20.4% of revenue goes to disposal fees