

# Policy Topic - Tipping Fee's

Washington Organics Workgroup

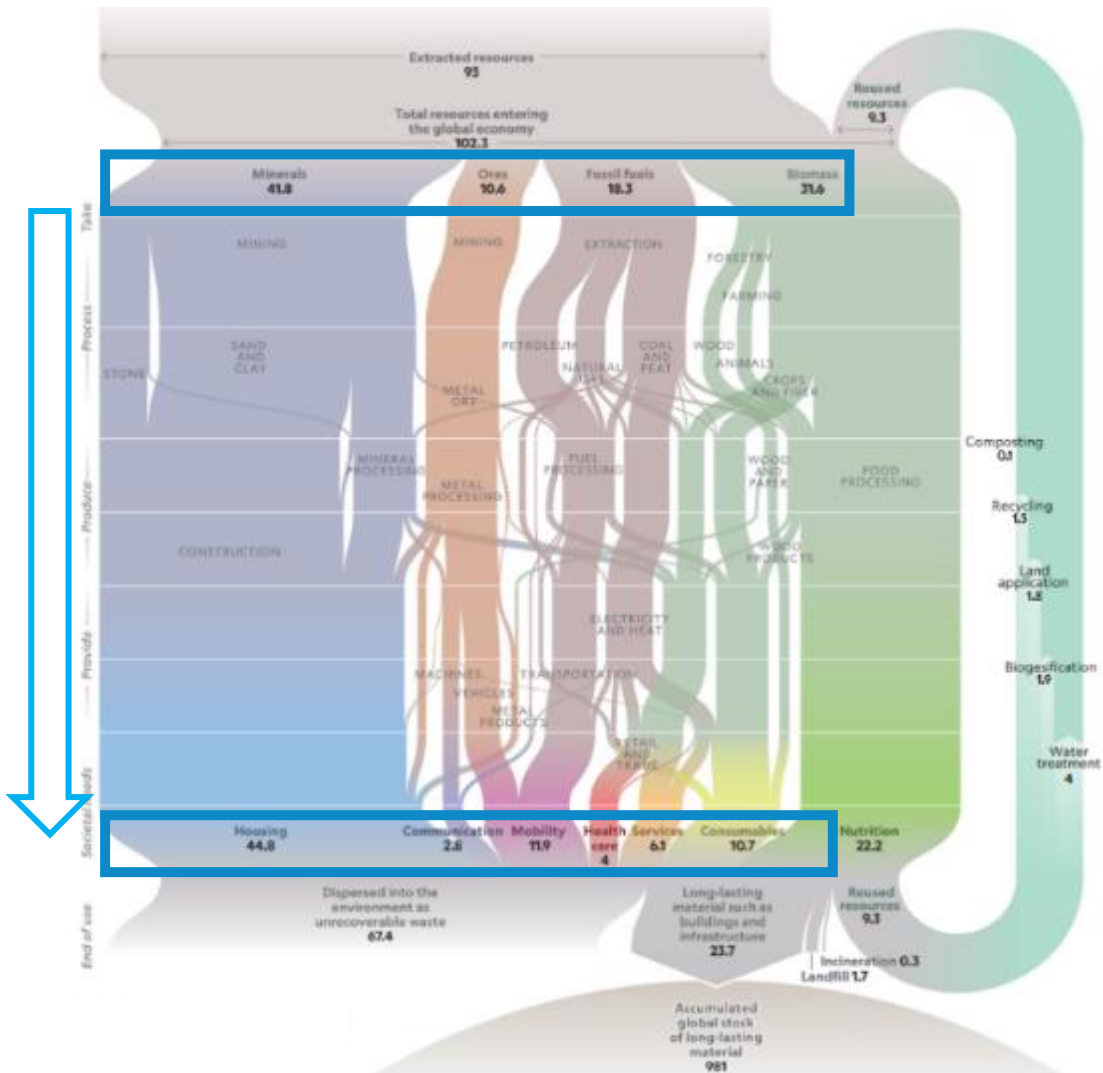
November 2021



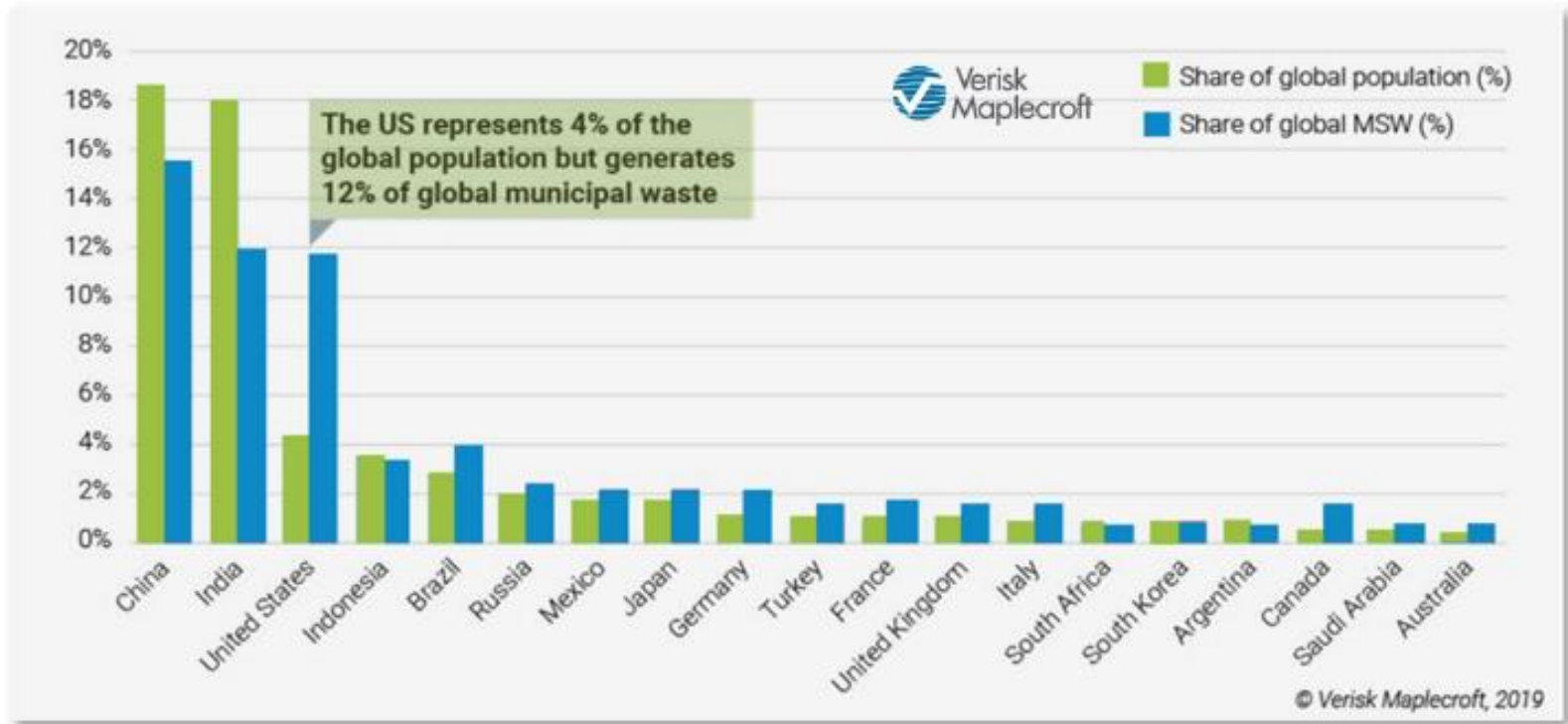
WX

# Linear v. Circular

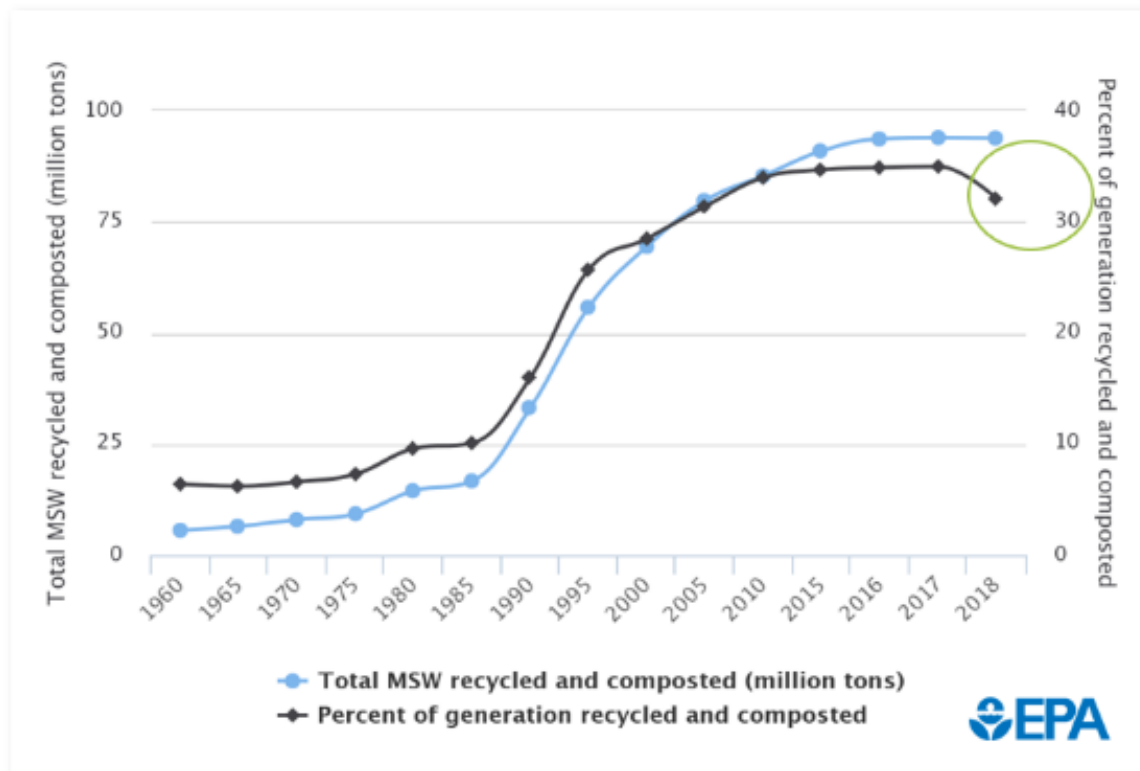




# An Opportunity



# The Recycling Rate



*10,000 Tons of Material:*

*Reusing = Up to 250 Jobs*

*Recycling = 35 Jobs*

*Landfilling = 6 Jobs*

*Incinerating = 1 Job*

\*EPA 530-F-02-033, 2002

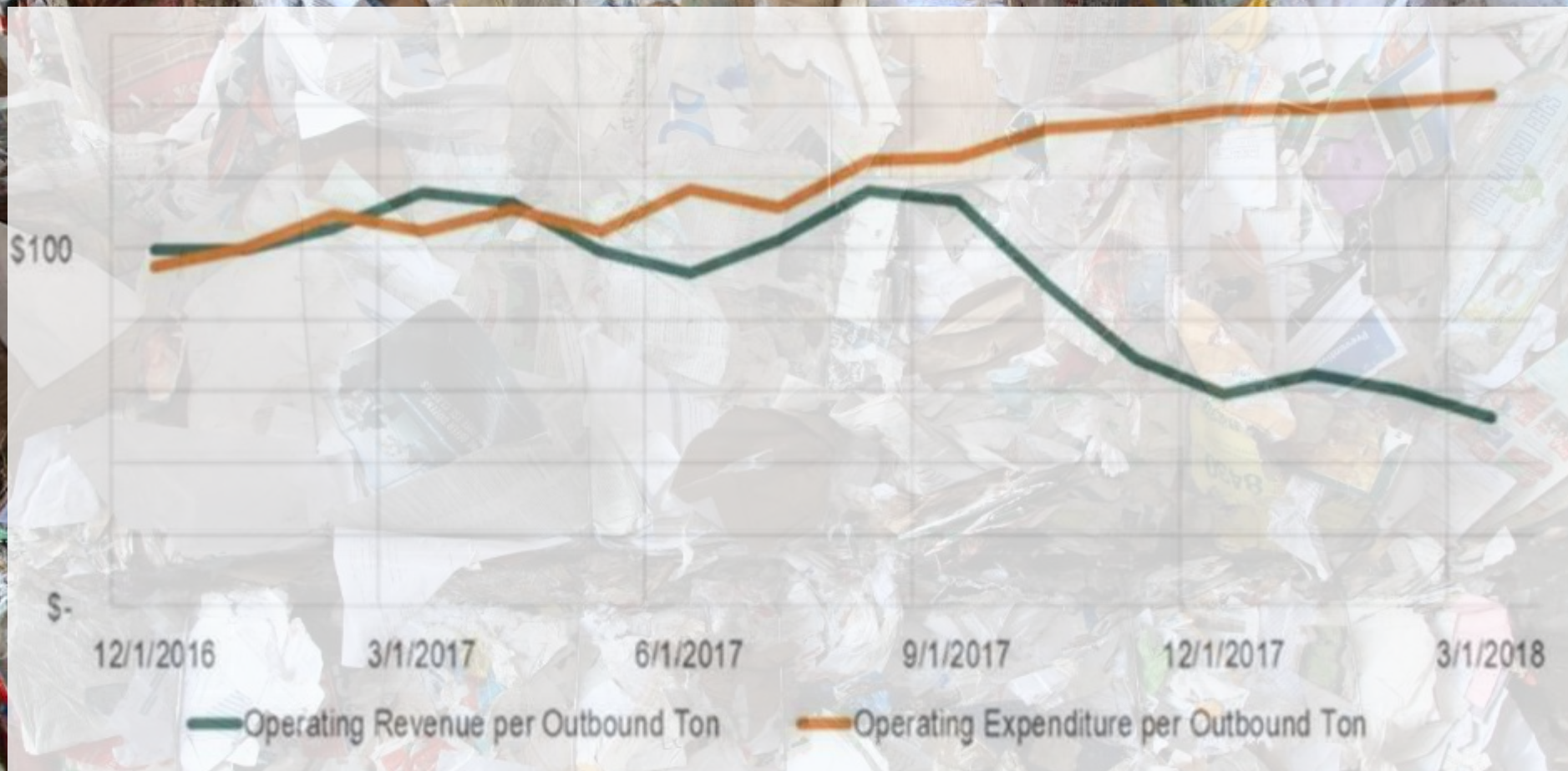




“We can either brace for further erosion of our recycling ecosystem or we can start addressing the fundamental economics of Recycling”

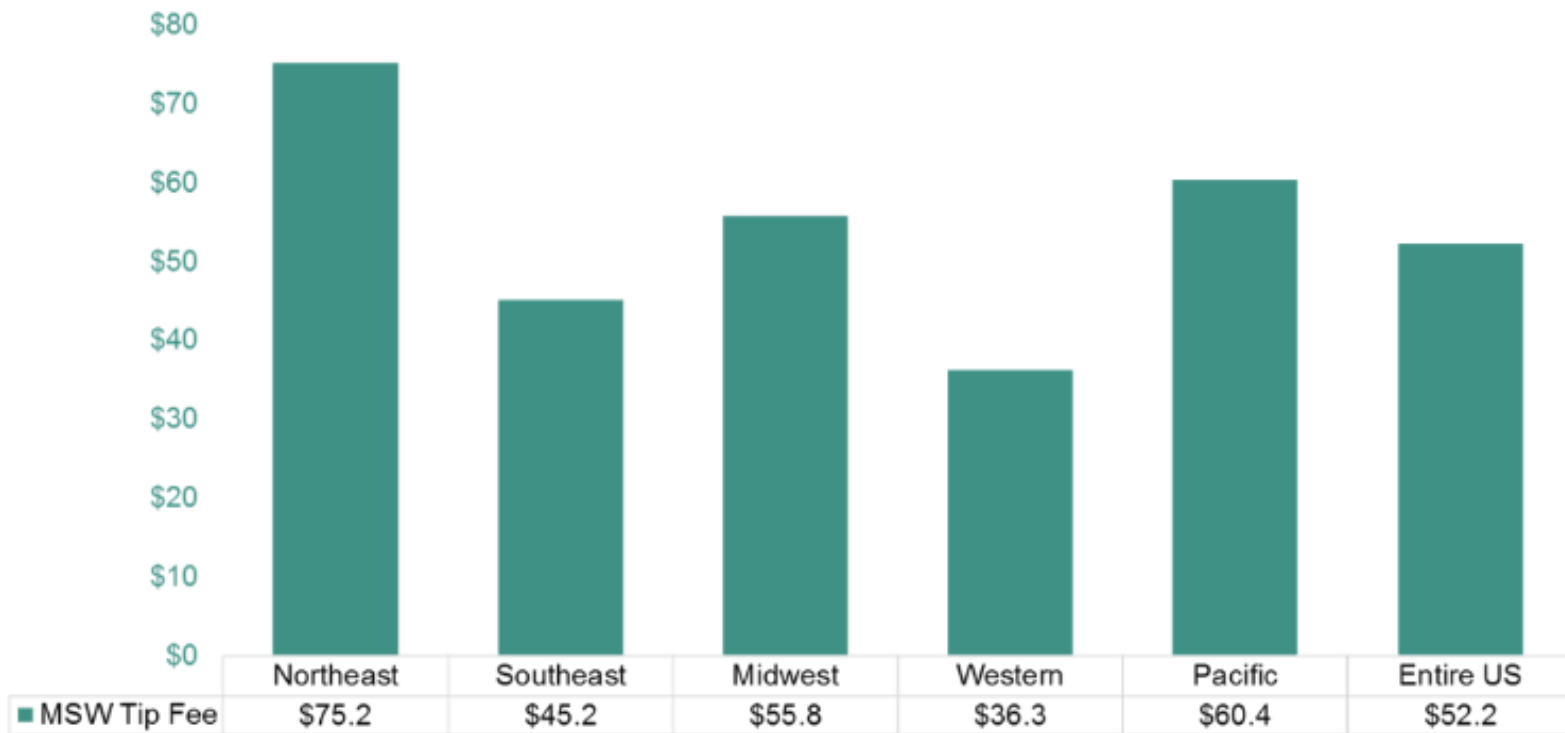
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Nina Belluci Butler, MORE Recycling



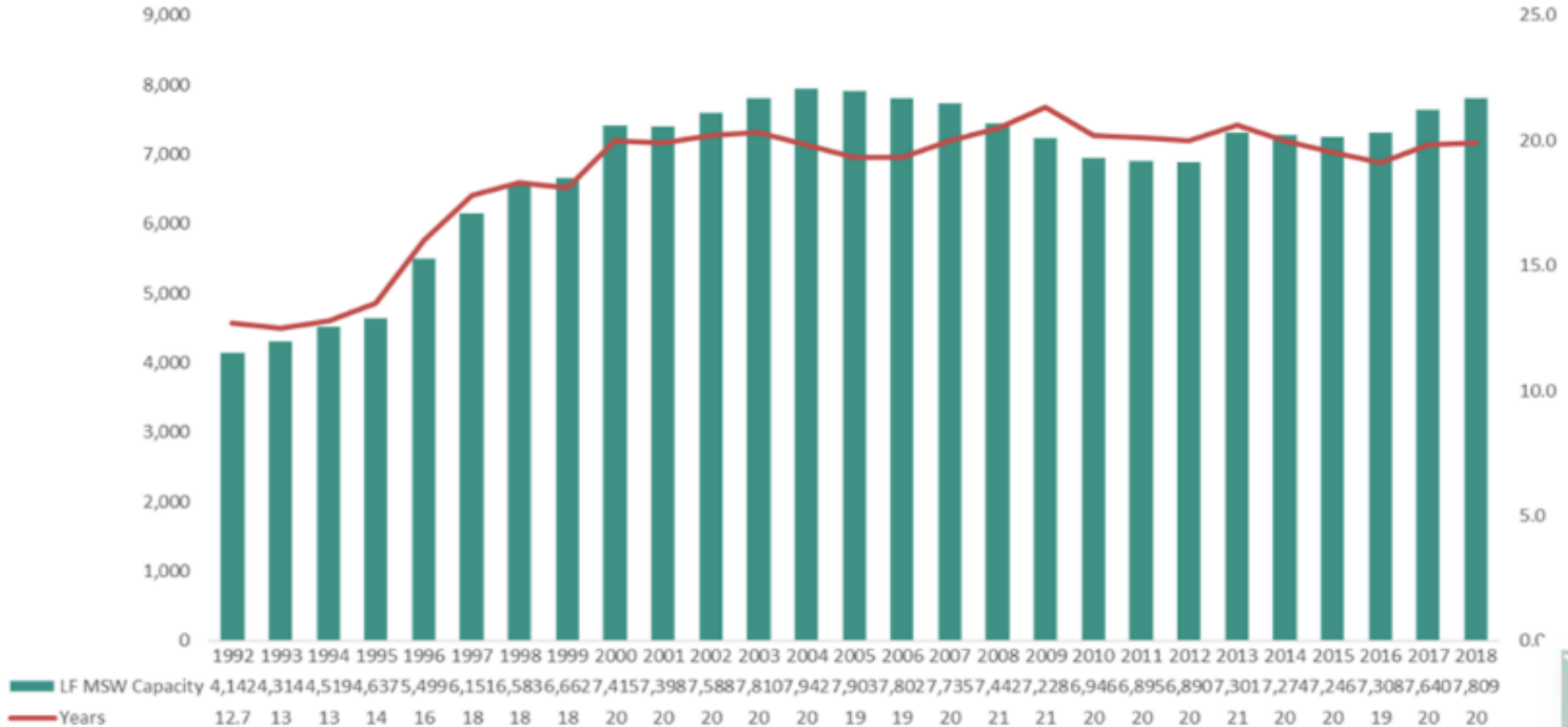


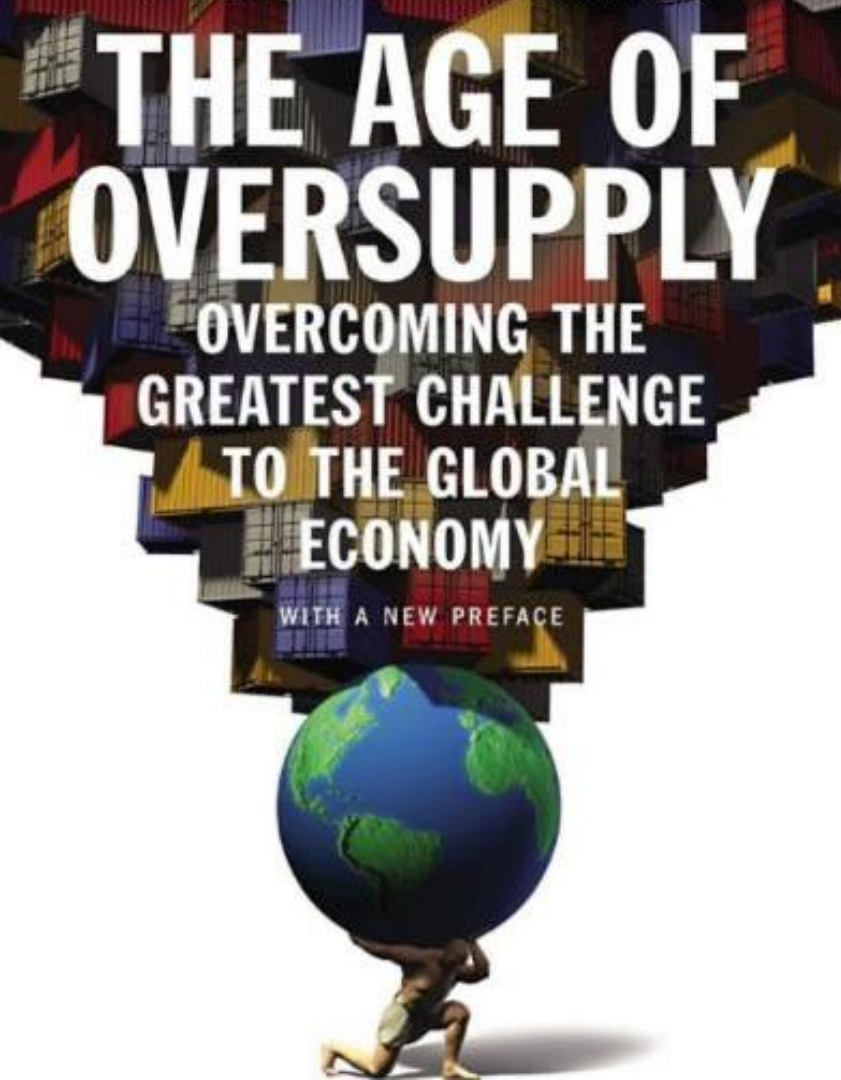
# U.S. Tipping Fee's



# Remaining U.S. Landfill Capacity

(In Millions of tons and Years)





Unaccounted  
Negative Externalities



Too much Supply

# Barriers to Entry

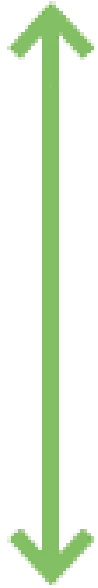




*“Until we establish policy that places the cost and benefit of a healthy environment on the balance sheet of companies and countries, we risk further eroding of the infrastructure and the environment our children's depend”*

*\*Nina Butler Bellucci, MORE Recycling*

**MOST FAVORED**



**REDUCE**

**REUSE**

**RECYCLE**

**COMPOST**

**RECOVER ENERGY**

**DISPOSE**

**LEAST FAVORED**

# U.S. Waste Sector

	Public Companies	Private Companies	Municipal	Total	% Share
<b>Collection</b>					
Residential Collection	7.31	8.34	7.02	<b>22.67</b>	
Commercial/Industrial Collection	18.91	1.98	2.34	<b>23.23</b>	
<b>Total Collection</b>	<b>\$26.22</b>	<b>\$10.32</b>	<b>\$9.36</b>	<b>\$45.91</b>	62%
<b>Processing</b>					
Transfer	2.14	0.58	0.76	<b>3.48</b>	
MRF/Recycling Operations	3.80	1.03	0.55	<b>5.38</b>	
Composting	0.19	0.05	0.07	<b>0.31</b>	
<b>Total Processing</b>	<b>\$6.14</b>	<b>\$1.66</b>	<b>\$1.38</b>	<b>\$9.17</b>	12%
<b>Disposal</b>					
Incineration/Waste-to-Energy	1.70	0.22	0.61	<b>2.54</b>	
Landfill Operations	10.15	2.98	3.05	<b>16.18</b>	
<b>Total Disposal</b>	<b>\$11.86</b>	<b>\$3.20</b>	<b>\$3.66</b>	<b>\$18.72</b>	25%
<b>Total Market</b>	<b>\$44.21</b>	<b>\$15.18</b>	<b>\$14.40</b>	<b>\$73.80</b>	100%
<b>% Share</b>	60%	21%	20%	100%	





**FOOD & YARD**  
Recycling

**RECYCLE**  
3000 01315  
(206) 884-3000

GARBAGE

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# European Policy



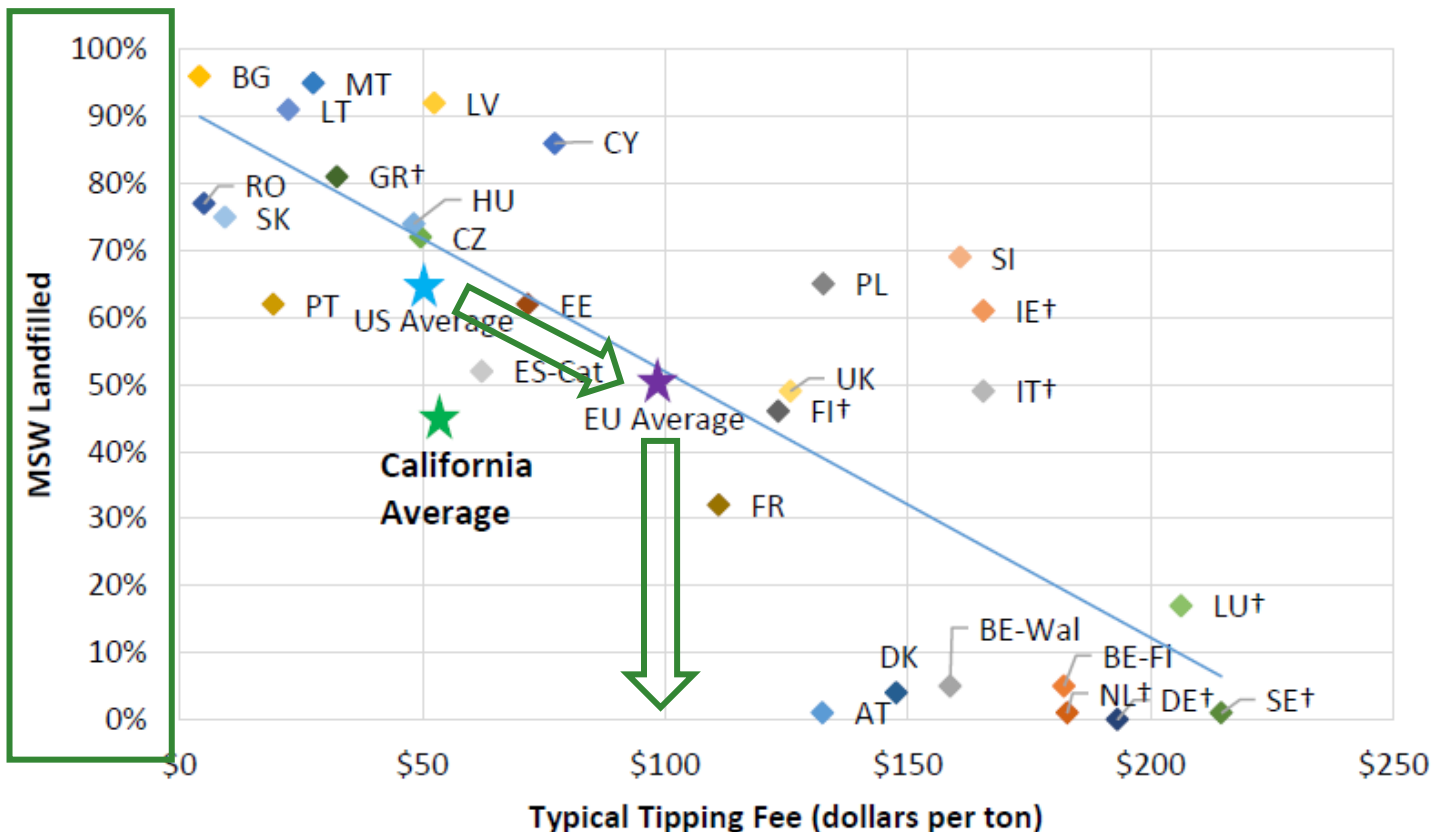
## Article 6

### Waste to be accepted in the different classes of landfill

Member States shall take measures in order that:

- (a) **only waste that has been subject to treatment is landfilled.** This provision may not apply to inert waste for which treatment is not technically feasible, nor to any other waste for which such treatment does not contribute to the objectives of this Directive, as set out in Article 1, by reducing the quantity of the waste or the hazards to human health or the environment;

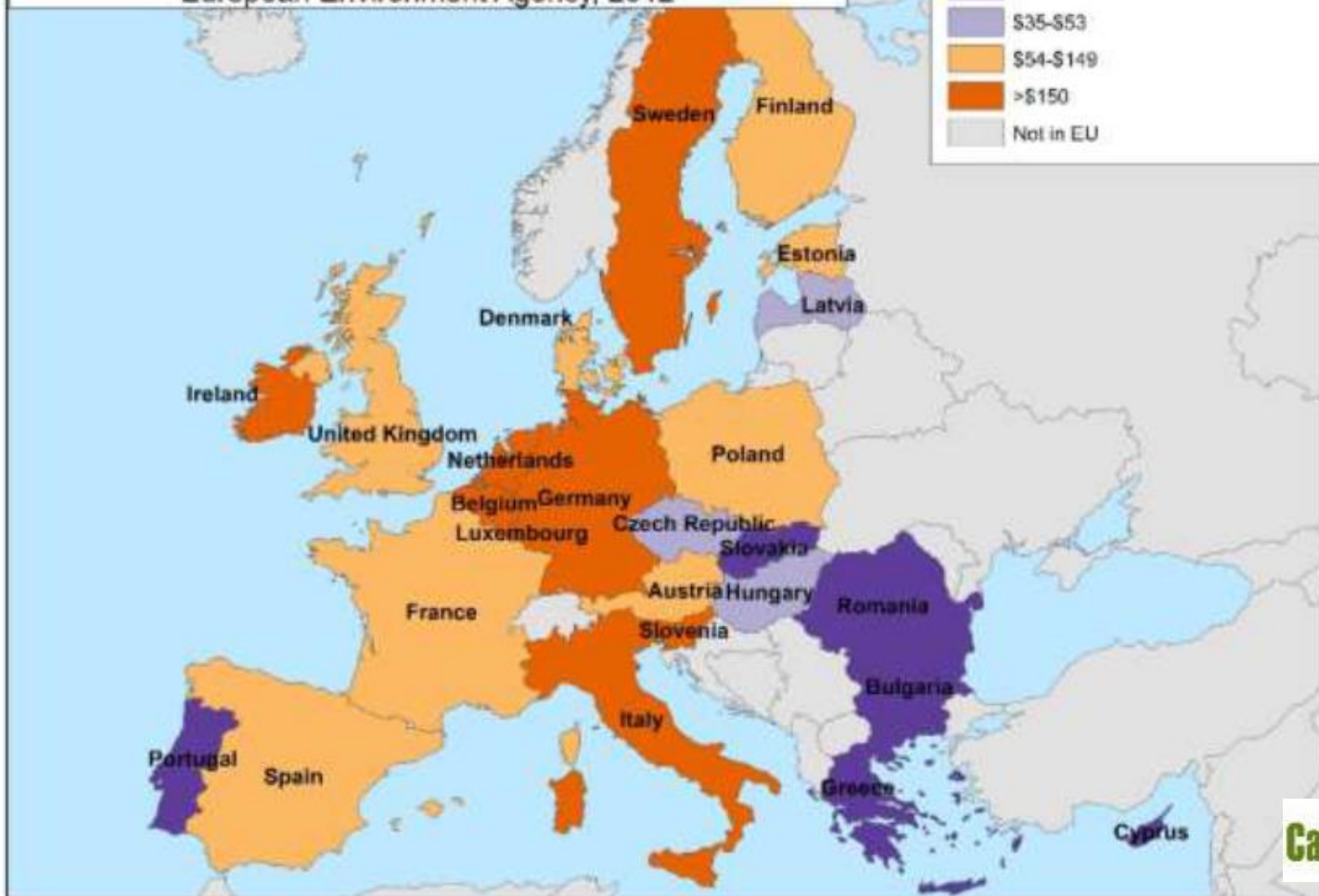
## Typical Tipping Fees and Percentage Landfilled in European Union Member States



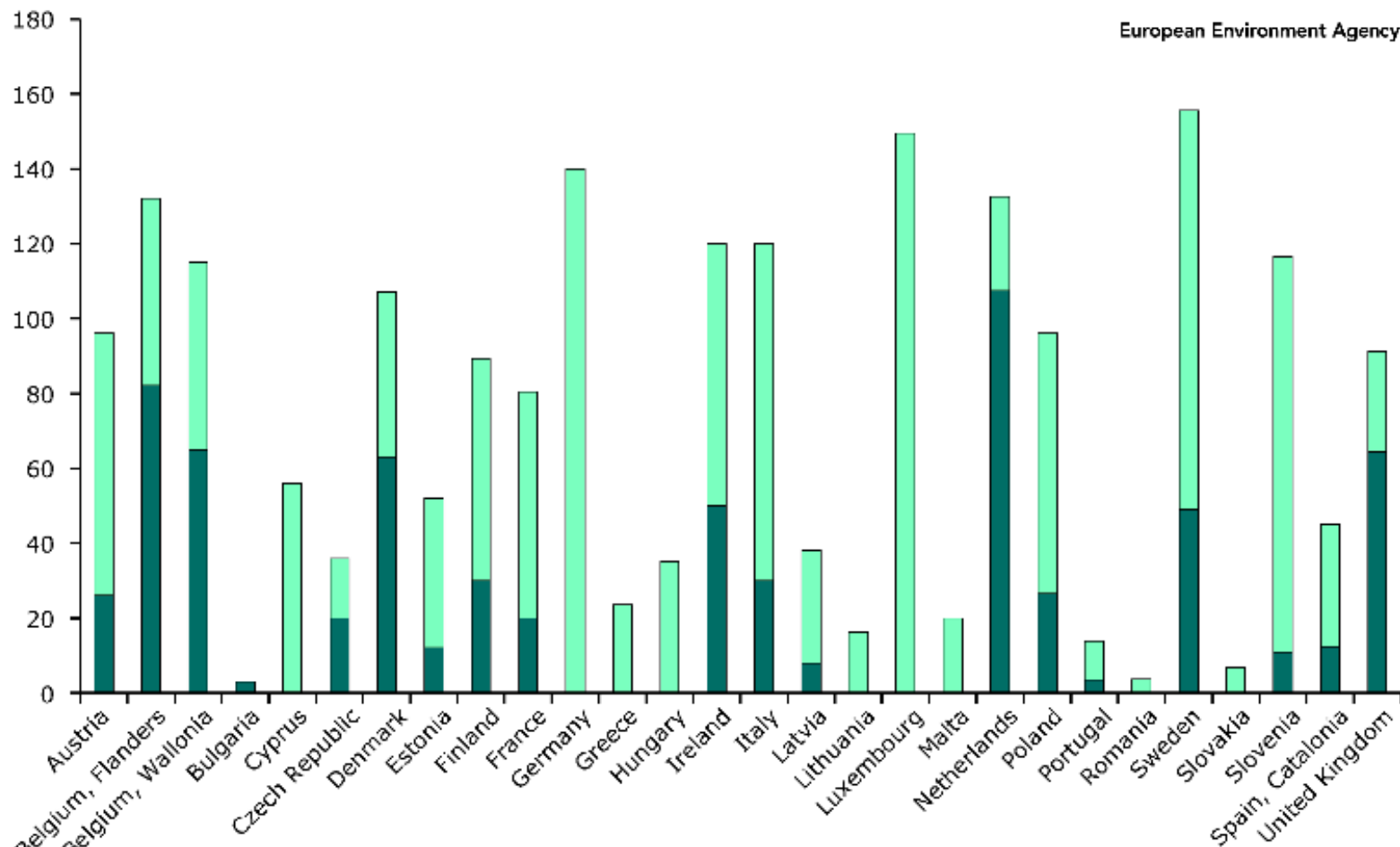
# Tipping Fees in the European Union

European Environment Agency, 2012

## European Union Tipping Fees



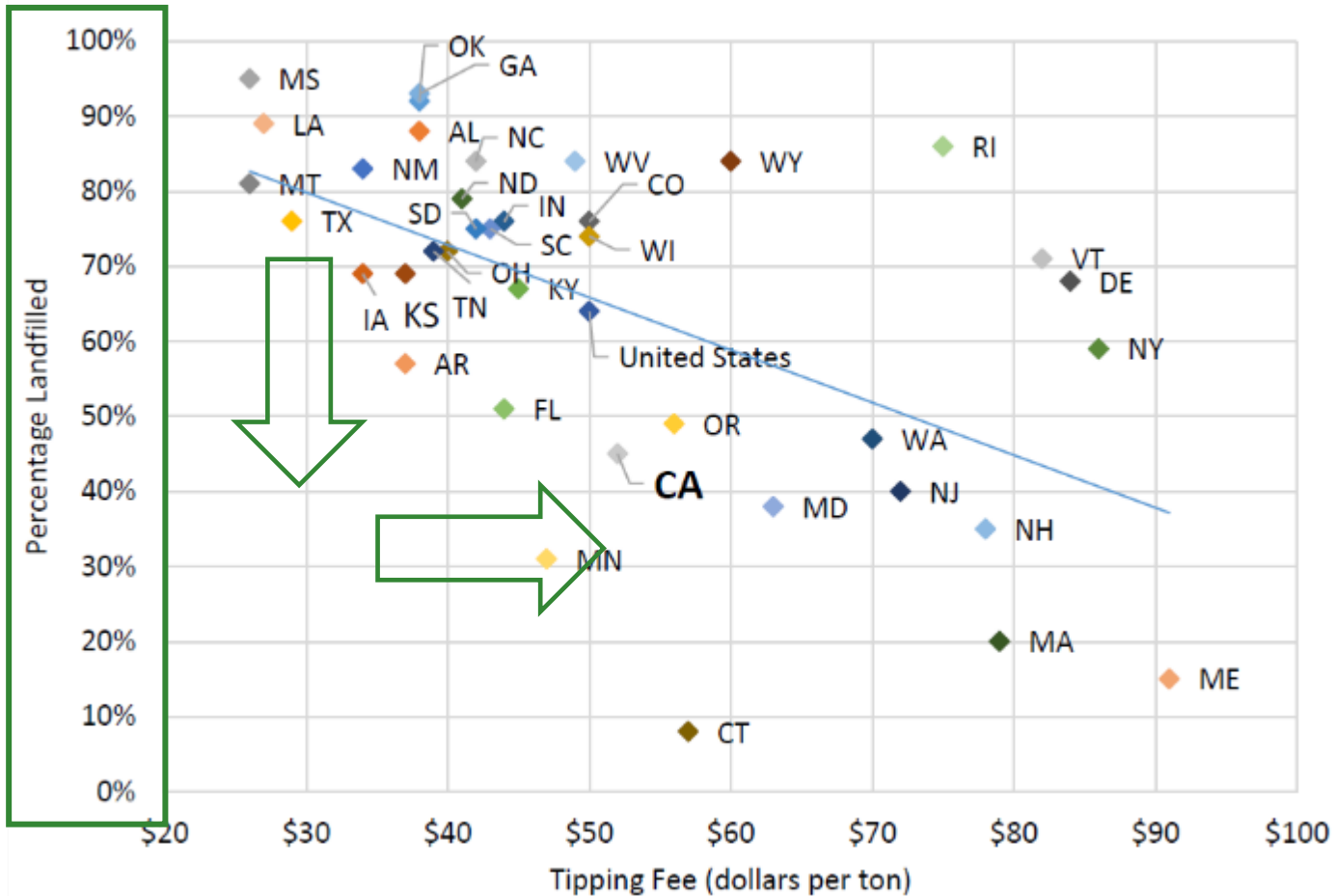
EUR per tonne



Current typical landfill gate fee

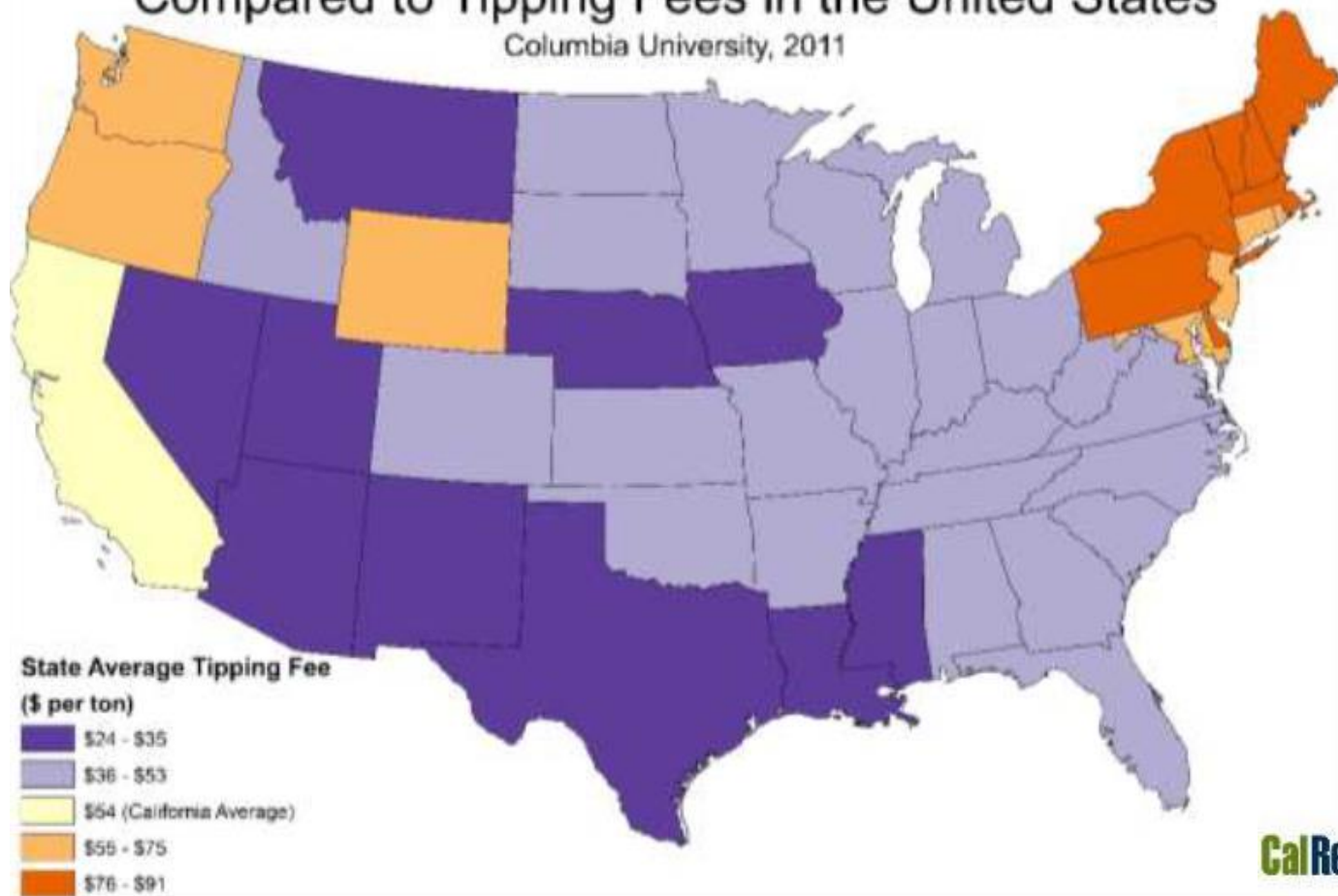
Current landfill tax

# State Tipping Fees and Landfilled Percentage

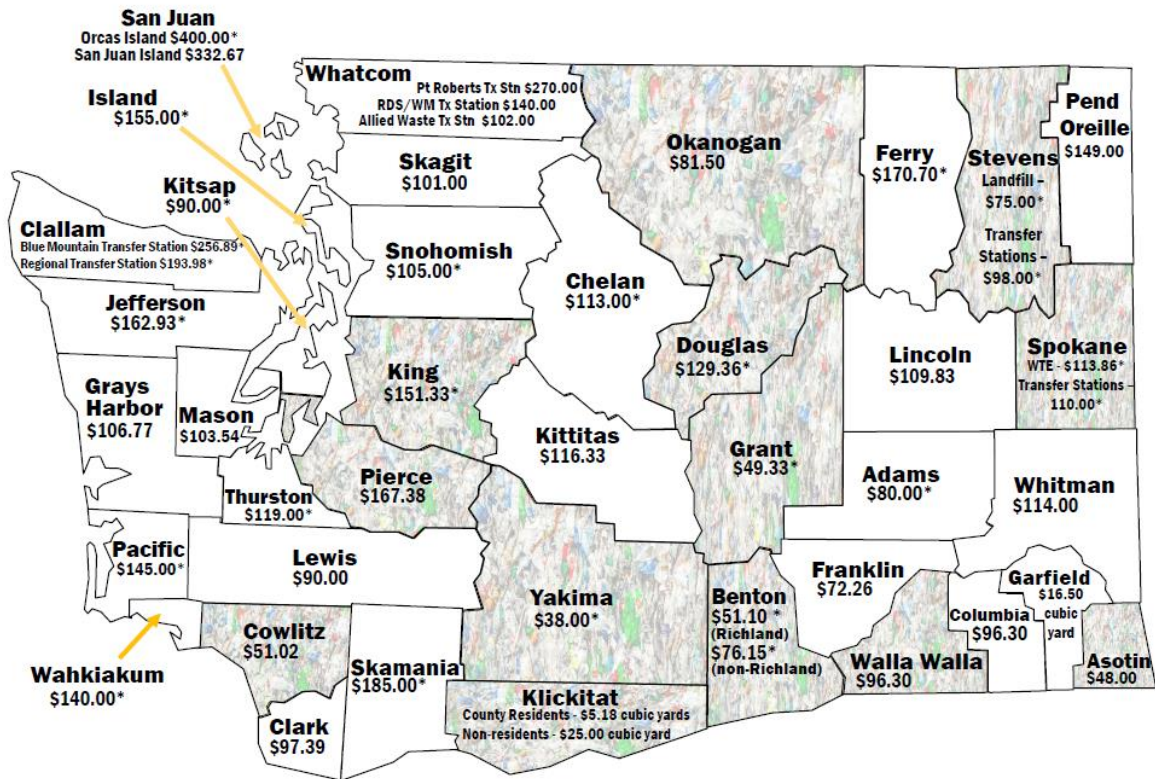


# California Tipping Fee Average Compared to Tipping Fees in the United States

Columbia University, 2011



# Municipal Solid Waste Tipping Fees (per ton) - 2021



Counties with an incinerator or MSW landfill

\*3.6 Refuse Tax included



**IF**

*Higher Tip Fee's = Increased Recycling*

**AND**

*Increased Recycling =  
More Jobs and improved Environmental Outcomes*

**IS**

*A high/higher Disposal Tax a good policy?*





“There is no other action that society can do today to simultaneously improve our impact on the environment, manufacturing AND the economy as recycling can”

---

Mitch Hedlund, Recycle Across America