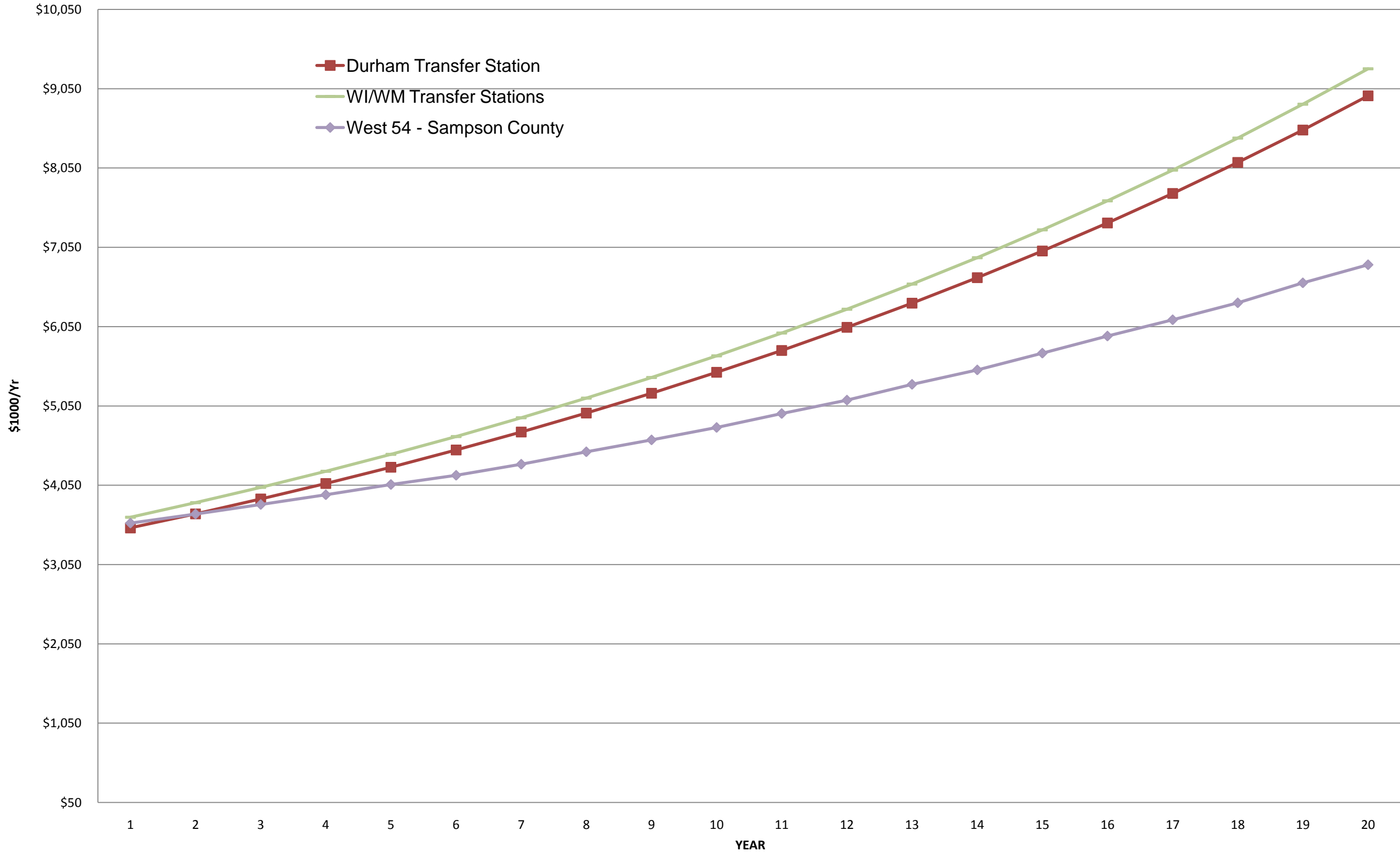


TRANSFER, HAUL & DISPOSAL COST SUMMARY



**ORANGE COUNTY
TRANSFER/HAUL/DISPOSAL ALTERNATIVES EVALUATION
EMISSION IMPACTS FROM ADDITIONAL DIRECT HAULING**

Source: Greening Garbage Trucks, INFORM, 2003; Table 15

Diesel emissions from garbage trucks: grams/mile

	NOX	P	Non-Meth HC	CO	CO2
Washington, PA	32.79	1.00	0.68	3.83	3,412.66
NYC	29.87	0.50	na	5.60	na
San Diego, CA	31.37	0.67		4.83	
Palm Desert, CA	31.33				
Average of US Data	31.34	0.72	0.68	4.75	3,412.66
Yokohama, JP	16.67		6.92	8.74	1,904.76
Velsen & Groningen, Netherlands	33.33	0.73	1.21		
Overall Average	25.27	0.70	0.88	5.94	2,552.17

Total Off Route Miles

20 - Year Accumulation

	<u>OC Landfill</u>	<u>Hwy 54 TS</u>	<u>Durham TS</u>	<u>WI/WM TS</u>
Chapell Hill	28,575	62,192	121,695	141,866
Carrboro	13,447	24,373	64,434	61,632
Hillsborough	15,408	28,015	25,213	28,015
County	92,207	134,929	215,312	225,778

All Jurisdictions Off Route Miles

	149,637	249,509	426,654	457,291
Percent of Current Impact		167%	285%	306%

All Jurisdictions Additional Off Route Miles

	99,872	277,018	307,654
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All Jurisdictions Total Additional Emissions - Pounds

NOX	6,895	19,125	21,240
Particulates	159	441	489
Non-Meth HC	149	413	459
CO	1,046	2,901	3,222
CO2	750,727	2,082,304	2,312,595

ORANGE COUNTY
 TRANSFER/HAUL/DISPOSAL ALTERNATIVES EVALUATION
 IMPACTS FROM NON-QUANTIFIED EVENTS AND CONDITIONS

Potential Impact/Event	RELATIVE RISK			
	Eubanks Rd LF	HWY 54 TS	City of Durham TS	WI/WM TS
Traffic Jams/ Accidents	Low	Med	High	High
Off-Route Breakdowns	Low	Med	High	High
Road Construction	Low	Med	High	High
Poor Customer Service	Low	Med	High	High
Increased Open Dumping	Low	Med	High	High
School Buses	Med	High	Low	Low

Other Impacts to Consider With No County-Controlled Transfer Station:

- Reduced flexibility to utilize alternative long-term disposal options
- Less influence on the disposal site operations to ensure environmental protection and community health and safety
- Reduced ability to take advantage of improved disposal costs at alternate locations
- Lost opportunities for improved recycling at the transfer station
- Loss of economic benefits from having local employees