

Appendix C

Municipal Solid Waste Projections: 2015 - 2035

Table 10

Estimated MSW Tonnages by Component - 2015

Locality	2015	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	6,026.7	1,651.32	277.23	536.38	765.39	524.32	379.68	873.87	813.60	204.91
Chesterfield County	286,105.0	78,392.76	13,160.83	25,463.34	36,335.33	24,891.13	18,024.61	41,485.22	38,624.17	9,727.57
Goochland County	18,148.4	4,972.67	834.83	1,615.21	2,304.85	1,578.91	1,143.35	2,631.52	2,450.04	617.05
Hanover County	87,863.4	24,074.56	4,041.71	7,819.84	11,158.65	7,644.11	5,535.39	12,740.19	11,861.55	2,987.35
Henrico County	267,602.4	73,323.06	12,309.71	23,816.61	33,985.50	23,281.41	16,858.95	38,802.35	36,126.32	9,098.48
New Kent County	16,315.5	4,470.46	750.51	1,452.08	2,072.07	1,419.45	1,027.88	2,365.75	2,202.60	554.73
Powhatan County	24,168.3	6,622.13	1,111.74	2,150.98	3,069.38	2,102.65	1,522.61	3,504.41	3,262.73	821.72
Richmond City	167,002.6	45,758.71	7,682.12	14,863.23	21,209.33	14,529.23	10,521.16	24,215.38	22,545.35	5,678.09
Prince George County	29,470.8	8,075.01	1,355.66	2,622.90	3,742.80	2,563.96	1,856.66	4,273.27	3,978.56	1,002.01
Colonial Heights City	14,265.6	3,908.77	656.22	1,269.64	1,811.73	1,241.11	898.73	2,068.51	1,925.86	485.03
Hopewell City	18,548.5	5,082.29	853.23	1,650.82	2,355.66	1,613.72	1,168.56	2,689.53	2,504.05	630.65
Petersburg City	26,170.7	7,170.78	1,203.85	2,329.19	3,323.68	2,276.85	1,648.76	3,794.75	3,533.05	889.80
CVWMA Service Area	961,688	263,503	44,238	85,590	122,134	83,667	60,586	139,445	129,828	32,697

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: *Municipal Solid Waste in the United States*, Office of Solid Waste and Emergency Response, United States Environmental Protection Agency EPA530-R-02-001, June 2012

Table 11

Estimated MSW Tonnages by Component - 2020

Locality	2020	Paper				Rubber & Leather			Food Scraps	Yard Trimmings	Other
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood				
Charles City County	6,243.7	1,710.78	287.21	555.69	792.95	543.20	393.35	905.34	842.90	212.29	
Chesterfield County	310,862.4	85,176.30	14,299.67	27,666.76	39,479.53	27,045.03	19,584.33	45,075.05	41,966.43	10,569.32	
Goochland County	19,190.8	5,258.28	882.78	1,707.98	2,437.23	1,669.60	1,209.02	2,782.67	2,590.76	652.49	
Hanover County	94,431.2	25,874.15	4,343.84	8,404.38	11,992.76	8,215.52	5,949.17	13,692.53	12,748.21	3,210.66	
Henrico County	281,832.4	77,222.08	12,964.29	25,083.09	35,792.72	24,519.42	17,755.44	40,865.70	38,047.38	9,582.30	
New Kent County	16,811.1	4,606.25	773.31	1,496.19	2,135.01	1,462.57	1,059.10	2,437.61	2,269.50	571.58	
Powhatan County	25,594.4	7,012.86	1,177.34	2,277.90	3,250.49	2,226.71	1,612.45	3,711.19	3,455.24	870.21	
Richmond City	165,204.9	45,266.13	7,599.42	14,703.23	20,981.02	14,372.82	10,407.91	23,954.70	22,302.66	5,616.97	
Prince George County	30,176.3	8,268.30	1,388.11	2,685.69	3,832.39	2,625.33	1,901.10	4,375.56	4,073.80	1,025.99	
Colonial Heights City	14,883.9	4,078.19	684.66	1,324.67	1,890.25	1,294.90	937.69	2,158.17	2,009.33	506.05	
Hopewell City	18,946.2	5,191.26	871.52	1,686.21	2,406.17	1,648.32	1,193.61	2,747.20	2,557.74	644.17	
Petersburg City	26,137.9	7,161.80	1,202.35	2,326.28	3,319.52	2,274.00	1,646.69	3,790.00	3,528.62	888.69	
CVWMA Service Area	1,010,315	276,826	46,475	89,918	128,310	87,897	63,650	146,496	136,393	34,351	

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: *Municipal Solid Waste in the United States*, Office of Solid Waste and Emergency Response, United States Environmental Protection Agency EPA530-R-02-001, June 2012

Table 12

Estimated MSW Tonnages by Component - 2025

Locality	2025	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	6,469.5	1,772.65	297.60	575.79	821.63	562.85	407.58	938.08	873.39	219.96
Chesterfield County	344,814.0	94,479.04	15,861.44	30,688.45	43,791.38	29,998.82	21,723.28	49,998.03	46,549.89	11,723.68
Goochland County	19,941.4	5,463.94	917.30	1,774.78	2,532.56	1,734.90	1,256.31	2,891.50	2,692.09	678.01
Hanover County	102,770.4	28,159.10	4,727.44	9,146.57	13,051.84	8,941.03	6,474.54	14,901.71	13,874.01	3,494.19
Henrico County	300,944.9	82,458.90	13,843.46	26,784.09	38,220.00	26,182.20	18,959.53	43,637.01	40,627.56	10,232.13
New Kent County	17,642.9	4,834.14	811.57	1,570.21	2,240.64	1,534.93	1,111.50	2,558.21	2,381.79	599.86
Powhatan County	27,066.4	7,416.19	1,245.05	2,408.91	3,437.43	2,354.78	1,705.18	3,924.63	3,653.96	920.26
Richmond City	166,000.6	45,484.17	7,636.03	14,774.05	21,082.08	14,442.05	10,458.04	24,070.09	22,410.08	5,644.02
Prince George County	30,854.1	8,454.03	1,419.29	2,746.02	3,918.47	2,684.31	1,943.81	4,473.85	4,165.30	1,049.04
Colonial Heights City	15,377.5	4,213.43	707.36	1,368.60	1,952.94	1,337.84	968.78	2,229.74	2,075.96	522.83
Hopewell City	19,402.6	5,316.32	892.52	1,726.83	2,464.13	1,688.03	1,222.37	2,813.38	2,619.35	659.69
Petersburg City	26,386.1	7,229.80	1,213.76	2,348.37	3,351.04	2,295.59	1,662.33	3,825.99	3,562.13	897.13
CVWMA Service Area	1,077,670	295,282	49,573	95,913	136,864	93,757	67,893	156,262	145,486	36,641

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: *Municipal Solid Waste in the United States*, Office of Solid Waste and Emergency Response, United States Environmental Protection Agency EPA530-R-02-001, June 2012

**Table 13
Estimated MSW Tonnages by Component - 2030**

Locality	2030	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	6,695.4	1,834.53	307.99	595.89	850.31	582.50	421.81	970.83	903.87	227.64
Chesterfield County	378,765.6	103,781.78	17,423.22	33,710.14	48,103.23	32,952.61	23,862.23	54,921.01	51,133.36	12,878.03
Goochland County	20,692.0	5,669.60	951.83	1,841.59	2,627.88	1,800.20	1,303.59	3,000.34	2,793.42	703.53
Hanover County	111,109.7	30,444.04	5,111.04	9,888.76	14,110.93	9,666.54	6,999.91	16,110.90	14,999.80	3,777.73
Henrico County	320,057.3	87,695.71	14,722.64	28,485.10	40,647.28	27,844.99	20,163.61	46,408.31	43,207.74	10,881.95
New Kent County	18,474.6	5,062.03	849.83	1,644.24	2,346.27	1,607.29	1,163.90	2,678.81	2,494.07	628.14
Powhatan County	28,538.4	7,819.52	1,312.77	2,539.92	3,624.38	2,482.84	1,797.92	4,138.07	3,852.68	970.31
Richmond City	166,796.4	45,702.20	7,672.63	14,844.88	21,183.14	14,511.28	10,508.17	24,185.47	22,517.51	5,671.08
Prince George County	31,532.0	8,639.76	1,450.47	2,806.34	4,004.56	2,743.28	1,986.51	4,572.13	4,256.81	1,072.09
Colonial Heights City	15,871.1	4,348.68	730.07	1,412.53	2,015.63	1,380.79	999.88	2,301.31	2,142.60	539.62
Hopewell City	19,859.1	5,441.38	913.52	1,767.46	2,522.10	1,727.74	1,251.12	2,879.56	2,680.97	675.21
Petersburg City	26,634.3	7,297.81	1,225.18	2,370.46	3,382.56	2,317.19	1,677.96	3,861.98	3,595.64	905.57
CVWMA Service Area	1,145,026	313,737	52,671	101,907	145,418	99,617	72,137	166,029	154,578	38,931

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: *Municipal Solid Waste in the United States*, Office of Solid Waste and Emergency Response, United States Environmental Protection Agency EPA530-R-02-001, June 2012

**Table 14
Estimated MSW Tonnages by Component - 2035**

Locality	2035	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	6,906.4	1,892.35	317.69	614.67	877.11	600.86	435.10	1,001.43	932.36	234.82
Chesterfield County	418,273.5	114,606.93	19,240.58	37,226.34	53,120.73	36,389.79	26,351.23	60,649.65	56,466.92	14,221.30
Goochland County	21,338.6	5,846.79	981.58	1,899.14	2,710.01	1,856.46	1,344.33	3,094.10	2,880.72	725.51
Hanover County	120,491.6	33,014.70	5,542.61	10,723.75	15,302.44	10,482.77	7,590.97	17,471.29	16,266.37	4,096.72
Henrico County	340,133.8	93,196.67	15,646.16	30,271.91	43,196.99	29,591.64	21,428.43	49,319.40	45,918.07	11,564.55
New Kent County	19,243.6	5,272.73	885.20	1,712.68	2,443.93	1,674.19	1,212.34	2,790.32	2,597.88	654.28
Powhatan County	29,993.2	8,218.14	1,379.69	2,669.40	3,809.14	2,609.41	1,889.57	4,349.02	4,049.08	1,019.77
Richmond City	167,476.6	45,888.59	7,703.92	14,905.42	21,269.53	14,570.47	10,551.03	24,284.11	22,609.34	5,694.20
Prince George County	32,112.3	8,798.77	1,477.17	2,857.99	4,078.26	2,793.77	2,023.07	4,656.28	4,335.16	1,091.82
Colonial Heights City	16,312.3	4,469.58	750.37	1,451.80	2,071.67	1,419.17	1,027.68	2,365.29	2,202.17	554.62
Hopewell City	20,280.3	5,556.80	932.89	1,804.95	2,575.60	1,764.39	1,277.66	2,940.64	2,737.84	689.53
Petersburg City	26,881.3	7,365.49	1,236.54	2,392.44	3,413.93	2,338.68	1,693.52	3,897.79	3,628.98	913.97
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CVWMA Service Area	1,219,444	334,128	56,094	108,530	154,869	106,092	76,825	176,819	164,625	41,461

Note: Totals for the Town of Ashland are included in the County of Hanover totals

Source of component percentages: *Municipal Solid Waste in the United States*, Office of Solid Waste and Emergency Response, United States Environmental Protection Agency EPA530-R-02-001, June 2012