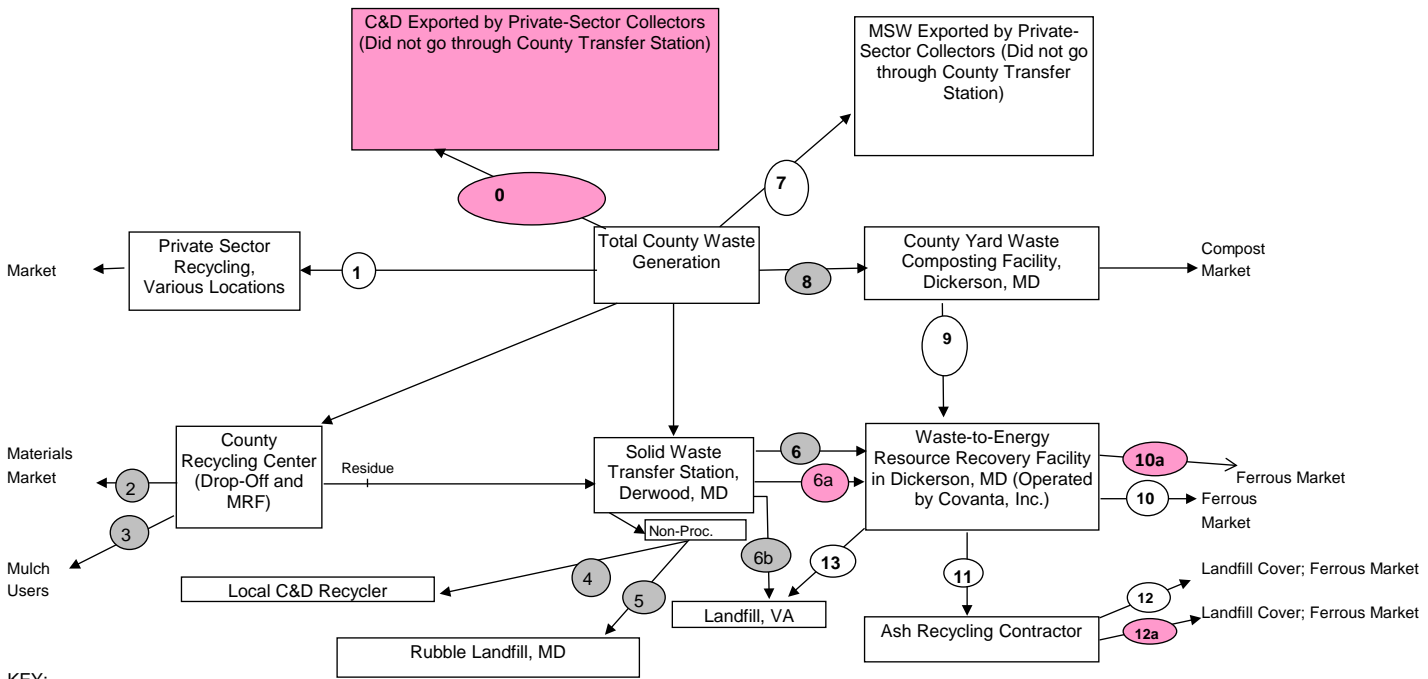


MATERIAL FLOW DIAGRAM

Calendar Year 2014



KEY:

- 1, 7 Audited or otherwise documented. Often based on truck scales of others.
- Data is from State-certified County truck scales Owned by County.
- Data is from State-certified truck scales, privately operated under contract to County.
- This color indicates C&D waste, which is not MSW, not eligible for recycling and is not to be included in recycling rate calculation.*

Total Waste Generation, Including C&D Exported by Private Sector	1,368,423
County-Managed Waste (CMW) = 1 + 2 + 3 + 4 + 5 + 6 + 6a + 6b + 7 + 8	1,210,152
MSW Generated (above less streams 4, 5 and 6a)	1,099,015

Stream No.	Material Description	Sources of Data	Total (tons/yr)	Comments
0	Construction & Demo Debris Private Export* (Recycled & Landfilled)	Licensed Collector Reports under ER 92-59	158,271	Not County-managed, includes both disposed and recycled C & D
1	Recycled via non-County Facilities	Collector, Processor, Business & Self-Hauler Rpts.	269,685	Filtered to avoid double-counting
2	County Recycling Facility Material Sales	County TS & MRF Scales, Outbound	80,489	Outgoing to market from County Recycling Center
3	Mulch Loaded Out From TS	County Transfer Station (TS) Scale Records	36,222	Scaled out as taken to County Mulch Contractor & Preserve Locations
4	Non-Processibles Recycled**	County TS Scale Out Records	31,565	Not included in MRA recycling calculation
5	Non-Processibles Landfilled**	County Trans. Stat'n. & Covanta Scale Records	2,761	Not included in MRA recycling calculation
6	Loaded on Rail to RRF (MSW burned)	Covanta Scales as Loaded	517,460	Total tons loaded on rail to RRF Net of 6a
6a	Loaded on Rail to RRF (C&D Burned)	County Transfer Station (TS) Scale Records	76,811	In-Bound C&D less Outbound Non-Processibles Landfilled
6b	By-pass (Accepted Processible Landfilled)	County TS Scale Out Records	-	
7	Refuse Disposed Out of County	Audited 6-Mo. Hauler Reports	127,653	Private Sector MSW Collection not delivered to CountyTS
8	All Incoming Leaves and Grass	Compost Facility & TS Scale Records	67,506	Includes 0 to Backup Composters
9	Composting Residue to RRF	MES Scale Records	-	Reported by Compost Facility Manager
10	Ferrous recovered at RRF	Covanta Scale Records	9,516	Recovered from ash at County Facility
10a	Ferrous recovered at RRF (C&D Residue)	Internal Calculation	1,413	Not included in MRA recycling calculation
11	Ash Loaded to Ash Recycling Contractor	Allied Monthly Report	170,887	Total ash (includes 12, 12a, 13, and 13a)
12	Ash outgoing from Ash Recycler	Allied Monthly Report	148,799	Included in MRA recycling calculation
12a	Ash outgoing from Ash Recycler (C&D Residue)	Internal Calculation	22,088	Not included in MRA recycling calculation
13	All Ash not recycled	Covanta Scale Records	-	

Montgomery County Recycling Rate and Waste Diversion Rate Calculations (MRA Method)			
Recycling Rate	(1 + 2 + 3 + 8 - 9 + 10 + 12 + 13) / (CMW - 4 - 5 - 6a)	Numerator	Denominator
612,217	1,099,015	612,217	1,099,015
Waste Diversion Rate	((1 + 2 + 3 + 8 - 9 + 10 + 12 + 13) / (CMW - 4 - 5 - 6a)) + 5.0%	612,217	1,099,015
55.71%	60.71%		***

- Notes:
- * Construction and Demolition waste (C&D) is waste identified by place of origin - construction or land clearing sites. C&D is reported on licensed hauler reports, but there may be additional C&D tons not reported and therefore not included in stream 0.
 - ** Nonprocessibles are Construction & Demolition-type materials: not eligible for recycling credit, but are County-managed solid waste.
 - *** Diversion Rate = Recycling Rate + 5.0% Source Reduction Credit

- Nomenclature:
- "C&D" means "Construction and Demolition" waste, exclusive of MSW, traditionally managed by the private sector, but much now comes to County TS.
 - "CMW" means "County Management Waste". It includes all MSW, whether or not exported by private sector collectors, but only C&D delivered to TS.
 - "MSW" stands for "Municipal Solid Waste", and represents the waste eligible for recycling under the State recycling law, regulations and guidelines.
 - "TS" stands for the County's "Transfer Station", located in Derwood, Maryland, just south of Gaithersburg.
 - "MRF" stands for Material Recovery Facility
 - "RRF" stands for Resource Recovery Facility