



The table below outlines all WMPO emissions sources and associated GHGs from 2010 through 2018.

FUEL USE		(MtCO ₂ e) ¹								
		2010	2011	2012	2013	2014	2015	2016	2017	2018
Propane	heat, cooking	52	82	81	37	42	60	95	66	44
Diesel	shuttle buses	48	64	53	29	28	27	25	24	18
Biodiesel	shuttle buses	-	-	-	11	6.4	7.0	11	7.6	8.2
Gasoline	sponsor cars	27	21	21	20	17	16	10	21	17
Diesel	sponsor cars	-	-	-	0.2	0.4	-	-	-	-
Diesel	VIP shuttles	-	-	-	-	-	-	-	4.3	1.5
Diesel	waste hauling/portable toilet service	23	12	17	17	27	23	21	21	18
CNG ²	portable toilet service	-	14	3.7	5.6	9.9	32	18	26	1.6
Diesel	generators	33	47	57	39	-	-	-	-	-
Biodiesel	generators	5.0	-	10	28	24	17	31	53	50
Biodiesel	refrigerated trailers	-	-	-	-	-	-	15	11	13
Electricity	conventional energy	76	-	-	-	-	-	-	-	-
Electricity	renewable energy	-	-	-	-	-	-	-	-	-
WASTE END-OF-LIFE MANAGEMENT ²										
Compost	food scraps, food/beverage materials, wood	-2.0	28	54	74	67	67	82	93	-17
Recycling	plastics, metals, fibers	-218	-101	-308	-209	-299	-259	-288	-404	-382
Waste-to-energy	non-recyclable fiber and plastics, MRF residue	-	-	-0.2	-3	-0.3	-0.3	-0.3	20	-0.5
Donation	scrim, carpet, turf, programs	-	-	-	-	-	-20	-33	-29	-76
Donation	food	-	-	-	-31	-18	-58	-35	-45	-47
TOTAL GREENHOUSE GAS EMISSIONS ³		-32	-167	-11	18	-96	-90	-49	-131	-328

1 MtCO₂e is metric tons of carbon dioxide equivalent.

2 CNG volume is provided in gas gallon equivalent.

3 The [World Resources Institute GHG Protocol](#), [Climate Registry General Reporting Protocol](#), and [EPA WARM model](#) were used to calculate GHG emissions.

The Waste Management Phoenix Open operates under ISO20121 standard for sustainable events management, which defines the requirements to ensure an enduring and balanced approach to economic activity, environmental responsibility and social progress relating to events.