

Exhibit 4a

2030 CO₂ and CO₂ eq Network Emissions by Jurisdiction and Pollutant

Jurisdiction	Pollutant	Total Emissions	Rate CO ₂ e to CO ₂
DC	Carbon Dioxide (CO ₂)	2021943	
DC	Methane (CH ₄) as CO ₂ Eq.	1219	
DC	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	6233	
DC	Total CO₂ Equivalent	2029395	1.004
Calvert	Carbon Dioxide (CO ₂)	371375	
Calvert	Methane (CH ₄) as CO ₂ Eq.	224	
Calvert	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	1138	
Calvert	Total CO₂ Equivalent	372737	1.004
Charles	Carbon Dioxide (CO ₂)	775781	
Charles	Methane (CH ₄) as CO ₂ Eq.	471	
Charles	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	2399	
Charles	Total CO₂ Equivalent	778652	1.004
Frederick	Carbon Dioxide (CO ₂)	2605209	
Frederick	Methane (CH ₄) as CO ₂ Eq.	1561	
Frederick	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	7992	
Frederick	Total CO₂ Equivalent	2614762	1.004
Montgomery	Carbon Dioxide (CO ₂)	5259720	
Montgomery	Methane (CH ₄) as CO ₂ Eq.	3159	
Montgomery	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	16185	
Montgomery	Total CO₂ Equivalent	5279065	1.004
Prince George	Carbon Dioxide (CO ₂)	5507831	
Prince George	Methane (CH ₄) as CO ₂ Eq.	3309	
Prince George	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	16874	
Prince George	Total CO₂ Equivalent	5528014	1.004
Arlington	Carbon Dioxide (CO ₂)	1020908	
Arlington	Methane (CH ₄) as CO ₂ Eq.	621	
Arlington	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	3176	
Arlington	Total CO₂ Equivalent	1024704	1.004
Fairfax	Carbon Dioxide (CO ₂)	7004025	
Fairfax	Methane (CH ₄) as CO ₂ Eq.	4183	
Fairfax	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	21410	
Fairfax	Total CO₂ Equivalent	7029618	1.004
Loudoun	Carbon Dioxide (CO ₂)	2099390	
Loudoun	Methane (CH ₄) as CO ₂ Eq.	1258	
Loudoun	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	6444	
Loudoun	Total CO₂ Equivalent	2107092	1.004
Prince William	Carbon Dioxide (CO ₂)	2610805	
Prince William	Methane (CH ₄) as CO ₂ Eq.	1564	
Prince William	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	7985	
Prince William	Total CO₂ Equivalent	2620355	1.004
Alexandria	Carbon Dioxide (CO ₂)	548946	
Alexandria	Methane (CH ₄) as CO ₂ Eq.	331	
Alexandria	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	1694	
Alexandria	Total CO₂ Equivalent	550971	1.004
Washington Area	Carbon Dioxide (CO ₂)	29825933	
Washington Area	Methane (CH ₄) as CO ₂ Eq.	17899	
Washington Area	Nitrous Oxide (N ₂ O) as CO ₂ Eq.	91532	
Washington Area	Total CO₂ Equivalent	29935364	1.004