

Brooklyn Cruise Terminal: Shore Power Summary | 2017

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2017	Queen Mary 2	Cunard	Yes	47,100	5:56:02		0.159	0.027	0.009	25	26
5/15/2017	Queen Mary 2	Cunard	No			Cancelled after failed attempts to connect					
5/31/2017	Queen Mary 2	Cunard	Yes	49,600	6:21:22		0.177	0.03	0.01	28	28
6/15/2017	Queen Mary 2	Cunard	No		0:07:59	Cancelled after failed attempts to connect	0.011	0	0	1	1
7/1/2017	Queen Mary 2	Cunard	No			Cancelled after failed attempts to connect					
7/6/2017	Queen Mary 2	Cunard	No			Cancelled due to AVAR equipment on ship (shipside equipment issue)					
7/28/2017	Queen Mary 2	Cunard	No			Cancelled per cruise line					
8/12/2017	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
9/7/2017	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
9/17/2017	Crown Princess	Princess	Yes	23,100	2:47:42		0.071	0.012	0.004	11	11
9/22/2017	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
9/23/2017	Regal Princess	Princess	No			No connection due to feeder out of service					
9/24/2017	Crown Princess	Princess	No			No connection due to feeder out of service					
9/30/2017	Regal Princess	Princess	No			No connection due to feeder out of service					
10/6/2017	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
10/7/2017	Regal Princess	Princess	No			No connection due to feeder out of service					
10/14/2017	Regal Princess	Princess	No			No connection due to feeder out of service					
10/15/2017	Crown Princess	Princess	Yes	92,600	9:32:34		0.267	0.044	0.015	41	42
10/20/2017	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
10/21/2017	Regal Princess	Princess	No			No connection due to feeder out of service					
10/26/2017	Regal Princess	Princess	Yes	68,000	7:47:37		0.214	0.036	0.011	34	34
11/4/2017	Crown Princess	Princess	Yes	72,600	8:11:31		0.232	0.039	0.012	37	38
11/12/2017	Queen Mary 2	Cunard	Yes	4,000	0:41:45	Cancelled after failed attempts to connect	0.064	0.002	0.001	2	2
11/26/2017	Queen Mary 2	Cunard	Yes	N/A	2:30:48	Cancelled after failed attempts to connect	0.066	0.011	0.003	10	11
12/8/2017	Queen Mary 2	Cunard	No			Cancelled after failed attempts to connect					
12/22/2017	Queen Mary 2	Cunard	Yes	44,300	5:02:31		0.144	0.024	0.008	22	23
Total	26		9/26	401,300	48:59:51		1.405	0.225	0.073	211	216

Greenhouse Gas Equivalents

223

gas-powered cars
driven for 1 year

843

electric cars driven for
1 year

2.4M

miles driven by average
gas-powered car

Brooklyn Cruise Terminal: Shore Power Summary | 2018

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2018	Queen Mary 2	Cunard	No			Extreme weather					
5/17/2018	Queen Mary 2	Cunard	Yes	49,900	5:56:48		0.125	0.021	0.007	20	20
6/10/2018	Queen Mary 2	Cunard	Yes	63,100	7:16:29		0.157	0.027	0.008	25	25
7/1/2018	Queen Mary 2	Cunard	Yes	100	0:08:13	Connection cancelled due to ship technical issue					
7/6/2018	Queen Mary 2	Cunard	Yes	54,900	5:45:11		0.137	0.023	0.007	21	22
7/20/2018	Queen Mary 2	Cunard	Yes	74,000	8:24:19		0.184	0.031	0.01	30	29
8/3/2018	Queen Mary 2	Cunard	No			Extreme weather					
8/26/2018	Queen Mary 2	Cunard	Yes	51,700	6:03:57		0.129	0.022	0.007	20	20
9/9/2018	Queen Mary 2	Cunard	No			Extreme weather					
9/23/2018	Queen Mary 2	Cunard	Yes	31,400	3:38:07		0.079	0.013	0.004	12	12
10/7/2018	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
10/25/2018	Queen Mary 2	Cunard	Yes	50,782	5:52:07		0.127	0.022	0.007	20	21
11/11/2018	Queen Mary 2	Cunard	Yes	55,100	7:03:21		0.137	0.023	0.007	21	22
11/25/2018	Queen Mary 2	Cunard	Yes	53,400	6:55:31		0.731	0.023	0.007	21	22
12/8/2018	Queen Mary 2	Cunard	Yes	62,500	7:43:59		0.156	0.027	0.008	25	25
12/22/2018	Queen Mary 2	Cunard	No			Extreme weather					
Total	16		11/16	546,882	64:48:02		1.962	0.232	0.072	215	218

Greenhouse Gas Equivalents

353

gas-powered cars
driven for 1 year

1,338

electric cars driven for
1 year

3.8M

miles driven by average
gas-powered car

Brooklyn Cruise Terminal: Shore Power Summary | 2019

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2019	Queen Mary 2	Cunard	No			Connection cancelled due to emergency maintenance to Queen Mary 2's onboard tech					
4/21/2019	Queen Mary 2	Cunard	Yes	51,876	6:40:18		0.183	0.031	0.01	29	30
5/5/2019	Queen Mary 2	Cunard	Yes	50,924	6:30:12		0.18	0.031	0.01	28	29
5/24/2019	Queen Mary 2	Cunard	No			Extreme weather					
6/7/2019	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
6/30/2019	Queen Mary 2	Cunard	Yes	48,251	5:41:41		0.154	0.026	0.008	24	25
7/7/2019	Queen Mary 2	Cunard	Yes	49,439	5:43:07		0.155	0.026	0.008	24	25
7/28/2019	Queen Mary 2	Cunard	Yes	75,056	8:21:26		1.291	0.04	0.013	37	37
8/18/2019	Queen Mary 2	Cunard	Yes	57,177	6:04:25		0.173	0.029	0.01	27	28
9/1/2019	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
9/15/2019	Queen Mary 2	Cunard	Yes	52,327	6:08:22		0.174	0.03	0.01	28	28
10/4/2019	Queen Mary 2	Cunard	Yes	47,413	5:32:00		0.153	0.026	0.008	24	24
10/18/2019	Queen Mary 2	Cunard	Yes	38,607	5:14:42		0.808	0.025	0.008	23	24
11/10/2019	Queen Mary 2	Cunard	Yes	18,343	2:31:36						
11/26/2019	Queen Mary 2	Cunard	Yes	50,987	6:38:32						
12/8/2019	Queen Mary 2	Cunard	Yes	30,835	3:49:40						
12/22/2019	Queen Mary 2	Cunard	Yes	25,102	3:21:49						
Total	17		13/17	596,337	72:17:50		3.271	0.264	0.085	244	250

Greenhouse Gas Equivalents



Brooklyn Cruise Terminal: Shore Power Summary | 2020

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
Total	0		0	-	0:00:00		0	0	0	0	0

Brooklyn Cruise Terminal: Shore Power Summary | 2021

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
Total	0		0	-	0:00:00		0	0	0	0	0

Brooklyn Cruise Terminal: Shore Power Summary | 2022

							Annual Emission Saving (Metric Tons)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
2/22/2022	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
3/8/2022	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
3/27/2022	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
4/17/2022	Queen Mary 2	Cunard	No			No connection due to feeder out of service					
5/1/2022	Queen Mary 2	Cunard	Yes	46,393	5:57:22		0.159	0.027	0.009	26	26
5/15/2022	Queen Mary 2	Cunard	Yes	43,033	5:52:34		0.158	0.027	0.009	25	26
6/5/2022	Queen Mary 2	Cunard	Yes	26,637	3:45:57		0.543	0.017	0.006	16	16
7/1/2022	Queen Mary 2	Cunard	Yes	58,271	6:50:33		0.186	0.032	0.01	29	30
7/8/2022	Queen Mary 2	Cunard	Yes	58,067	7:03:02		0.2	0.034	0.011	32	33
8/5/2022	Queen Mary 2	Cunard	Yes	64,907	7:21:30		0.206	0.035	0.012	33	33
8/15/2022	Caribbean Princess	Princess	Yes	75,039	9:10:51		0.261	0.043	0.014	41	42
8/28/2022	Queen Mary 2	Cunard	Yes	55,951	6:30:16		0.99	0.031	0.01	28	29
9/23/2022	Queen Mary 2	Cunard	Yes	38,519	4:42:48		0.127	0.022	0.007	20	21
10/25/2022	Queen Mary 2	Cunard	Yes	39,519	5:15:26		0.148	0.025	0.008	23	24
11/20/2022	Queen Mary 2	Cunard	Yes	40,149	5:20:48		0.149	0.025	0.008	24	24
12/22/2022	Queen Mary 2	Cunard	Yes	40,771	5:33:37		0.152	0.026	0.008	24	24
Total	16		12/16	587,256	73:24:44		3.279	0.344	0.112	321	328

Greenhouse Gas Equivalents



Brooklyn Cruise Terminal: Shore Power Summary | 2023

							Annual Emission Saving (MT)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2023	Queen Mary 2	Cunard	Yes	49,091	6:30:17		0.18	0.031	0.01	28	29
5/26/2023	Queen Mary 2	Cunard	Yes	57,404	7:13:41		0.204	0.035	0.012	32	33
6/30/2023	Queen Mary 2	Cunard	Yes	27,594	3:11:53		0.489	0.015	0.005	14	14
7/7/2023	Queen Mary 2	Cunard	No			Ship did not connect due to delayed arrival					
7/21/2023	Queen Mary 2	Cunard	No			Extreme weather					
7/26/2023	Caribbean Princess	Princess	Yes	77,117	8:36:56		0.24	0.041	0.013	38	39
8/18/2023	Queen Mary 2	Cunard	Yes	40,369	5:24:53		0.15	0.026	0.008	24	24
9/11/2023	Queen Mary 2	Cunard	No			Unresolved rating	0	0	0	0	0
9/15/2023	Emerald Princess	Princess	Yes	279,764	7:36:29	Ship arrived a day early and stayed hooked up until 9/16	0.871	0.146	0.048	137	140
9/19/2023	Caribbean Princess	Princess	Yes	77,345	9:43:57		0.269	0.045	0.015	42	43
9/23/2023	Emerald Princess	Princess	No			Extreme weather					
9/29/2023	Queen Mary 2	Cunard	No			Extreme weather					
9/30/2023	Emerald Princess	Princess	No			Extreme weather					
10/7/2023	Emerald Princess	Princess	Yes	68,166	7:41:54		1.165	0.036	0.011	33	34
10/9/2023	Caribbean Princess	Princess	Yes	71,008	9:16:29		0.262	0.044	0.014	41	42
10/13/2023	Queen Mary 2	Cunard	Yes	41,767	5:20:19		0.149	0.025	0.008	24	24
10/14/2023	Emerald Princess	Princess	Yes	67,382	8:26:54		0.237	0.04	0.013	37	38
10/21/2023	Emerald Princess	Princess	Yes	66,437	8:03:56		0.23	0.039	0.012	36	37
10/27/2023	Caribbean Princess	Princess	Yes	93,310	0:31:00		1.905	0.058	0.019	55	56
10/28/2023	Emerald Princess	Princess	Yes	47,420	5:42:14		0.155	0.026	0.008	24	25
10/29/2023	Crystal Serenity	Crystal	Yes	20	0:11:00	Ship was getting their shore power retrofit certified by their class and insurance					
11/4/2023	Emerald Princess	Princess	Yes	66,439	8:18:59		0.234	0.04	0.013	36	37
11/26/2023	Queen Mary 2	Cunard	No			Cancelled shore power connection due to USCG inspection of the vessel					
12/8/2023	Queen Mary 2	Cunard	No								
12/22/2023	Queen Mary 2	Cunard	No			Unsuccessful shore power connection due to onboard technical issue with the breakers					
Total	25		16/24	1,130,633	101:50:51		6.74	0.647	0.209	601	615

Greenhouse Gas Equivalents



Brooklyn Cruise Terminal: Shore Power Summary | 2024

							Annual Emission Saving (MT)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
5/5/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
5/23/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
6/15/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
6/29/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
7/6/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
7/27/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
8/23/2024	Queen Mary 2	Cunard	No			Unresolved ship technical issue					
9/22/2024	Queen Mary 2	Cunard	Yes	45,012	5:21:00		0.149	0.025	0.008	24	24
10/4/2024	Queen Mary 2	Cunard	Yes	57,397	7:07:48		0.200	0.034	0.011	32	33
10/25/2024	Queen Mary 2	Cunard	Yes	54,584	6:36:29		1.000	0.031	0.010	29	29
11/20/2024	Queen Mary 2	Cunard	Yes	26,218	3:18:30		0.091	0.015	0.005	14	15
12/3/2024	Queen Mary 2	Cunard	Yes	58,395	7:15:46		0.204	0.035	0.012	32	33
12/21/2024	Queen Mary 2	Cunard	No			Emergency service had one of the three feeders offline					
Total	14		5/14	241,606	29:39:33		1.644	0.14	0.046	131	134

Note: In 2024, QM2 faced technical issues that prevented the ship from connecting. The crew worked diligently to restore it and were successful by September. Other ships that began calling in 2024 had shore power connections that were incompatible with BCT's equipment at the time.

Greenhouse Gas Equivalents

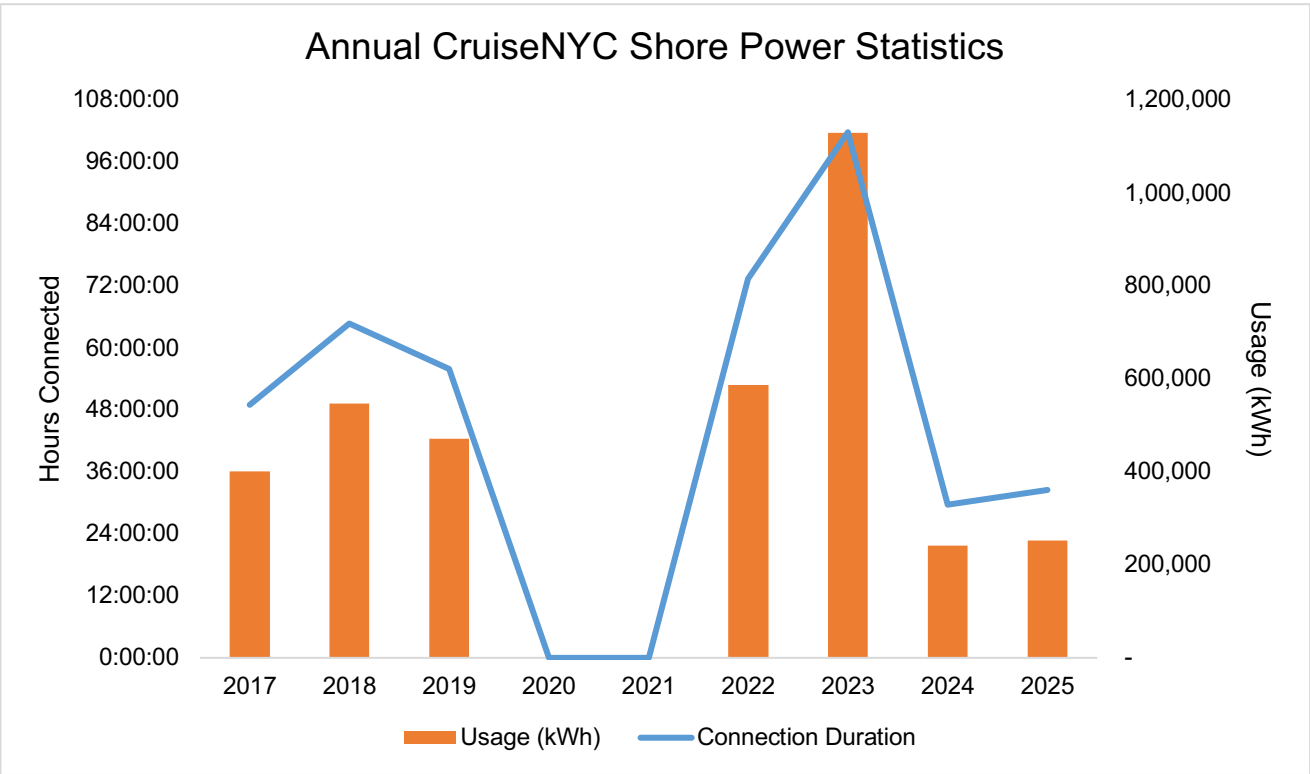
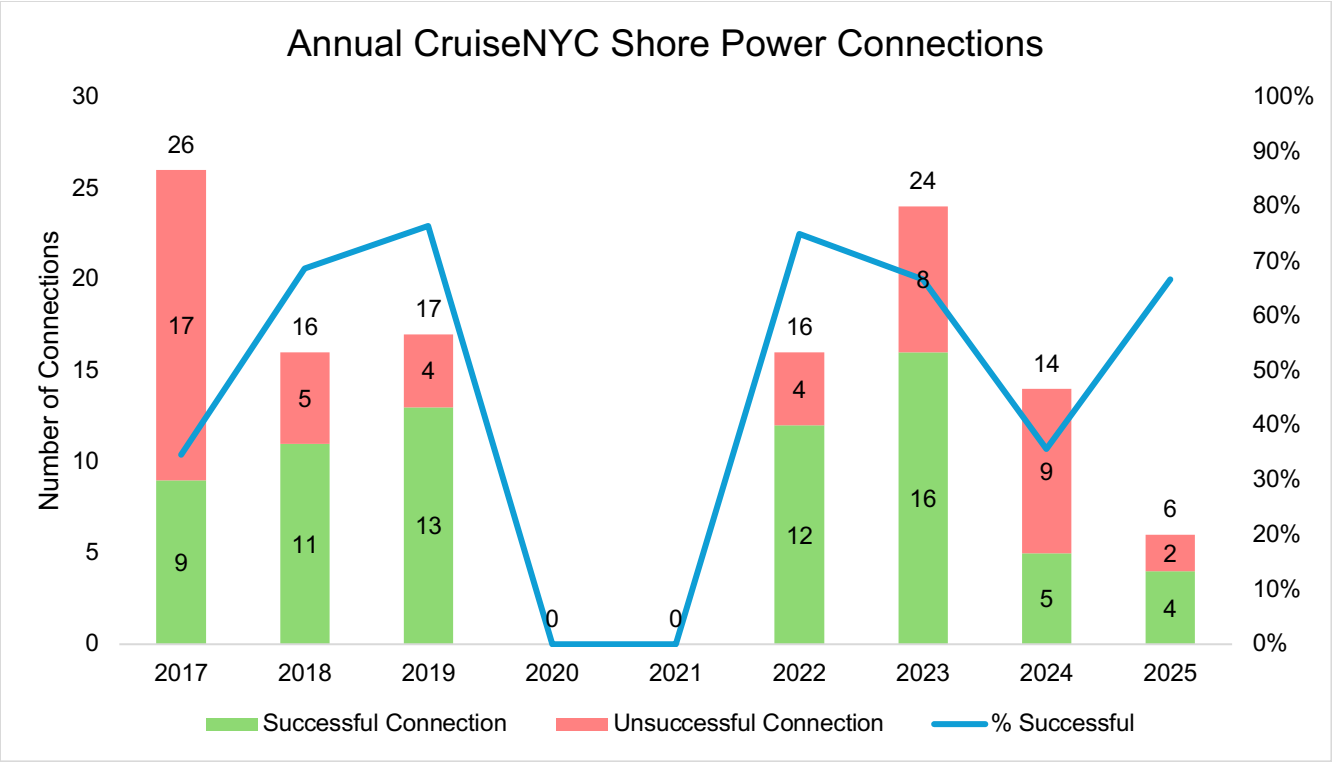


Brooklyn Cruise Terminal: Shore Power Summary | 2025 to date

							Annual Emission Saving (MT)				
Date	Vessel Name	Owner	Connection	Usage (kWh)	Connection Duration	Note	NOx	SO2	PM2.5	CO2	CO2eq
1/3/2025	Queen Mary 2	Cunard	Yes	56,905	7:04:36		0.212	0.036	0.011	33	34
3/15/2025	Queen Mary 2	Cunard	Yes	47,699	6:30:08		0.186	0.032	0.01	29	30
3/29/2025	Queen Mary 2	Cunard	Yes	51,759	6:29:03		0.183	0.031	0.01	29	30
5/5/2025	Queen Mary 2	Cunard	Yes	51,759	6:29:03		0.159	0.027	0.009	25	26
5/25/2025	Queen Mary 2	Cunard	No	44,323	5:55:40	Emergency service had one of the three feeders offline					
6/13/2025	Queen Mary 2	Cunard	No			MCPD technical/battery issue that was not resolved after several attempts throughout the day					
Total	6		4/6	252,445	32:28:30		0.74	0.126	0.04	116	120

Greenhouse Gas Equivalents





Note: data represents the subset of ships that are shore power capable and compatible at BCT

