







FRESH  
MEADOWS

**Table 1**  
**Queens Fresh Meadows Facility**  
**67-10 192nd St., Flushing, NY 11365**

**EQUIPMENT SOURCES**

**COMBUSTION EQUIPMENT RATINGS**  
**Annual Fuel Consumption Rates**

*Fuel Oil and Gas Parameters (AP-42, Appendix A)*

Natural Gas:	1,020	Btu/scf
Residual Oil:	150,000	Btu/gal
Distillate Oil:	140,000	Btu/gal
Diesel Oil:	138,500	Btu/gal
hp:	2,542.5	Btu/hr
kW:	1.341	hp

<b>BOILERS</b>		<b>MBH (gas)</b>	<b>GPH (#2-oil)</b>	<b>Heat Input X 10<sup>6</sup> Btu/hr</b>	<b>Natural Gas SCFH</b>
1	Cleaver Brooks MD7197	16,700	119.3	16.7	16,373
2	Cleaver Brooks MD7197	16,700	119.3	16.7	16,373
3	Cleaver Brooks MD7197	16,700	119.3	16.7	16,373
4	Cleaver Brooks MD7197	16,700	119.3	16.7	16,373
5	Cleaver Brooks MD3531	23,400	167.1	23.40	22,941
6	Cleaver Brooks MD3531	23,400	167.1	23.40	22,941
7	Cleaver Brooks MD3531	23,400	167.1	23.40	22,941
8	Cleaver Brooks MD3531	23,400	167.1	23.40	22,941
<b>Total</b>		<b>160,400</b>	<b>1,146</b>	<b>160</b>	<b>157,255</b>

**X 10<sup>6</sup> Btu/yr**    **X 10<sup>6</sup> SCF/yr**    **Oil- X10<sup>3</sup> gal/yr**  
 1377552941    1377.55    10036

Annual Fuel Consumption Rates		
	#2-Oil	Nat'l Gas
Year	gallons	X 10 <sup>6</sup> SCF

2011	48916	264.3
2012	11685	243.0
2013	45636	231.4
2014	290763	255.4
2015	228088	268.8
2016	63616	273.2
2017	61145	250.4
2018	78361	281.9
2019	71460	286.8
2020	13898	198.9
2021	14308	285.5
Average	84352	258
Maximum	290763	287

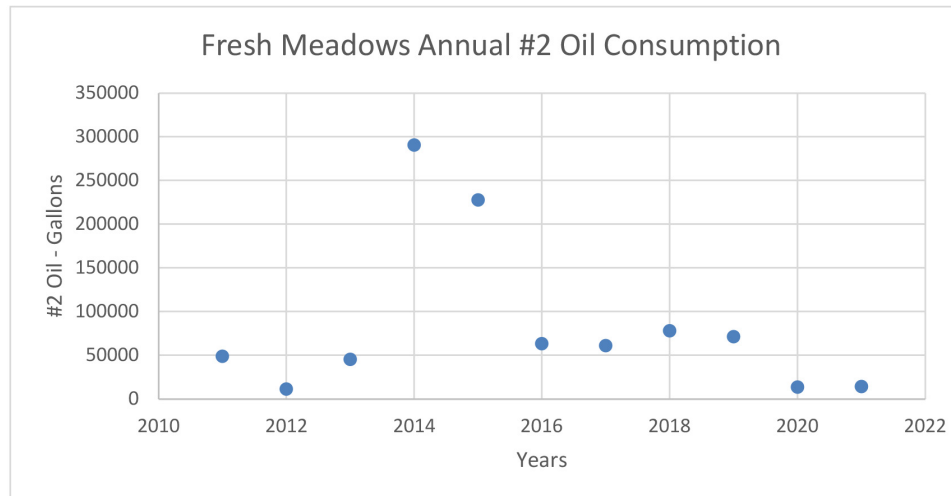
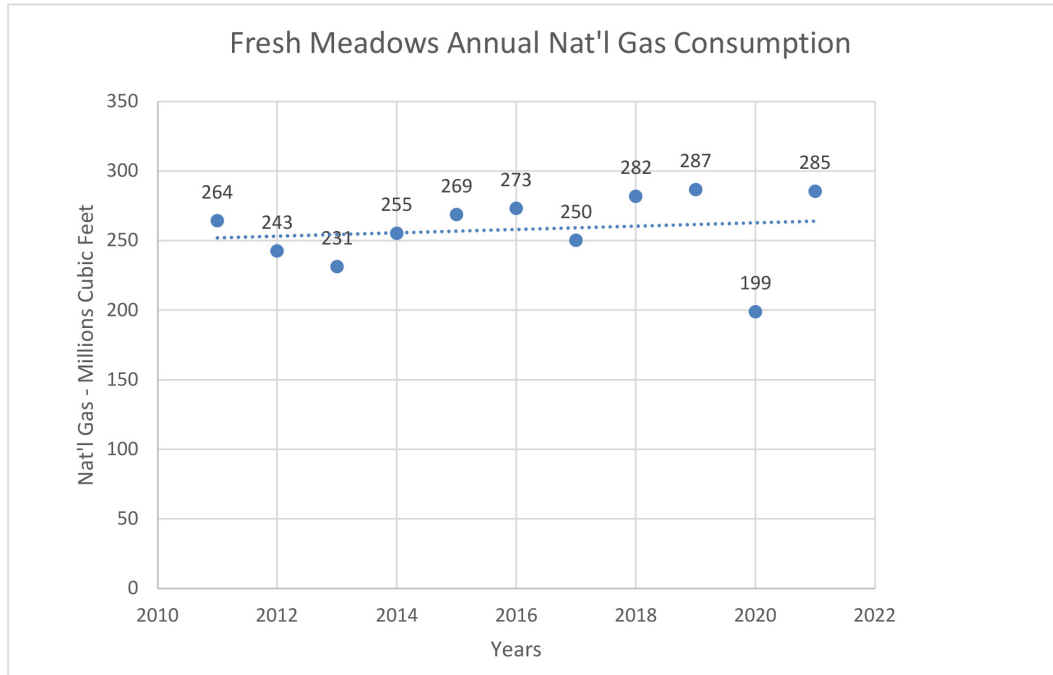
Capacity Factor	
Nat'l Gas	#2 oil

19%	0.5%
18%	0.1%
17%	0.5%
19%	2.9%
20%	2.3%
20%	0.6%
18%	0.6%
20%	0.8%
21%	0.7%
14%	0.1%
21%	0.1%
19%	1%
21%	3%

**Table 8**  
**Fresh Meadows**  
**Fuel Consumption Data**

Year	X 10 <sup>6</sup> SCF
2011	264
2012	243
2013	231
2014	255
2015	269
2016	273
2017	250
2018	282
2019	287
2020	199
2021	285
Average	258
Maximum	287

Year	#2-Oil Gallons
2011	48916
2012	11685
2013	45636
2014	290763
2015	228088
2016	63616
2017	61145
2018	78361
2019	71460
2020	13898
2021	14308
Average	84352
Maximum	290763





**Table 7  
Fresh Meadows  
Actual Annual Fuel Consumption  
Years: 2011 - 2021**

Facility ID# 2-6306-00071/00003

Year	Nat'l Gas			#2-Oil	NOx - tons/yr		
	DKT	therm	Btu		Gas	Oil	Total
	1	10	1000000	Gallons	lbs./10 <sup>6</sup>	SCF	lbs./gal
					100		0.02
2011	2696120	269612	264.3	48916	13.2	0.49	13.71
2012	2474100	247410	242.6	11685	12.1	0.12	12.24
2013	2359990	235999	231.4	45636	11.6	0.46	12.02
2014	2604590	260459	255.4	290763	12.8	2.91	15.68
2015	2742100	274210	268.8	228088	13.4	2.28	15.72
2016	2786360	278636	273.2	63616	13.7	0.64	14.29
2017	2553620	255362	250.4	61145	12.5	0.61	13.13
2018	2875660	287566	281.9	78361	14.1	0.78	14.88
2019	2925140	292514	286.8	71460	14.3	0.71	15.05
2020	2029230	202923	198.9	13898	9.9	0.14	10.09
2021	2912060	291206	285.5	14308	14.3	0.14	14.42
Average	2632634	263263	258	84352	12.9	0.8	13.7
Maximum	2925140	292514	286.8	290763	14.3	2.9	15.7