

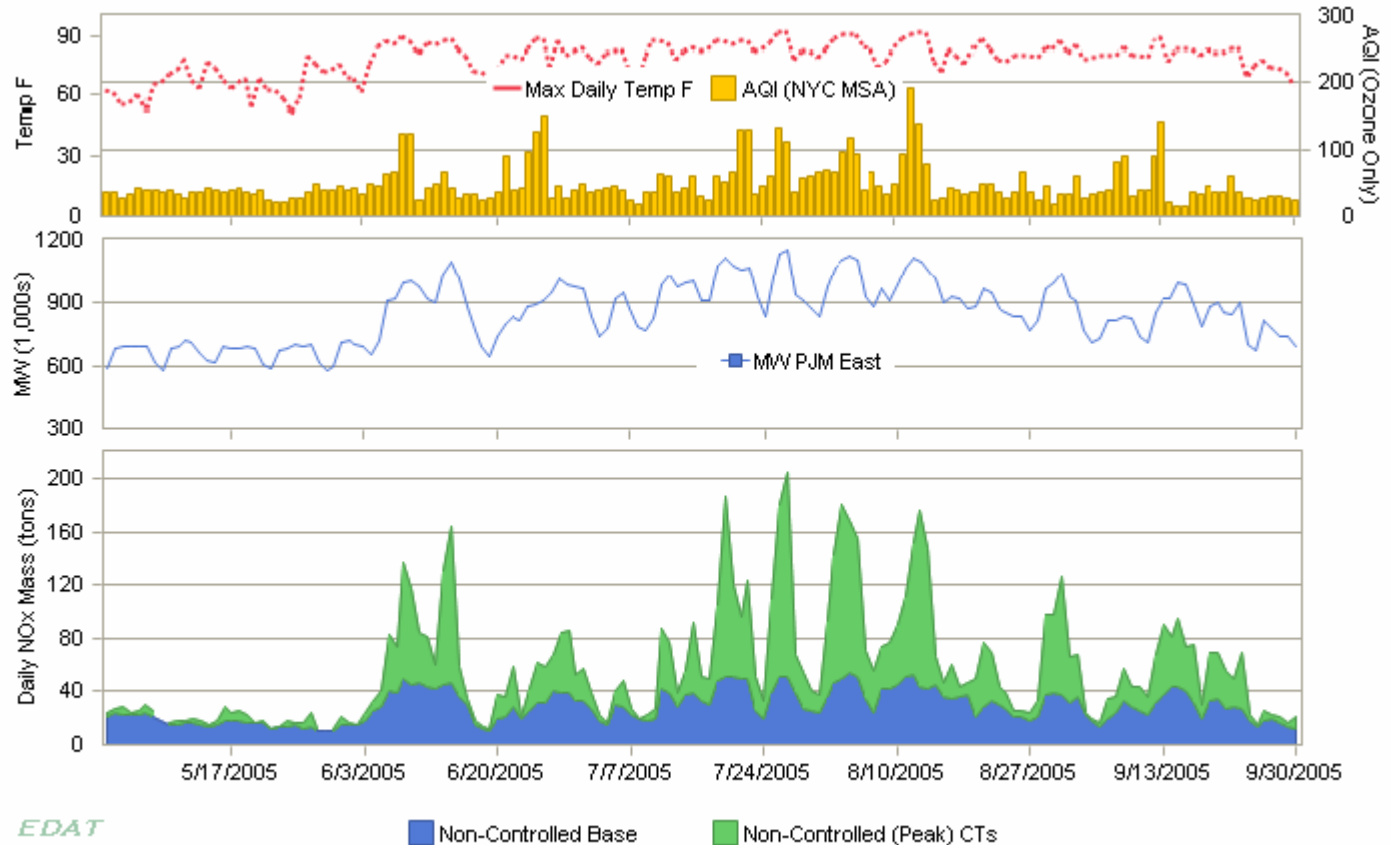
Daily PJM Load, NOx Emissions, CASTNET Met and AQI Ozone Season 2005

NOTES: Daily Max Temperature (F) is at CASTNET site in Washington Crossing, NJ 'WSP144'.
 AQI is ozone value only for MSA indicated.
 PJM-East Load is aggregated daily total from telemetry data.
 Daily NOx Emissions in tons. Analysis considers all electrical generating and large industrial sources in select counties* from the New York City and Philadelphia metropolitan areas which report data to EPA under 40 CFR Part 75.
 Peak units defined at <= 1,100 hours of operation in 2005 ozone season. Includes only unit type CT (Combustion Turbines).
 Base units defined at > 1,100 hours during the 2005 ozone season. Includes all unit types.

Metro NYC, NY

MSA 5600
 Non-Controlled Units

- Selecting 2005 ozone season days with a maximum daily temp of approximately 90 F will capture most AQI ozone days >100 (orange or higher) in MSA 5600.
- There appears to be a close correlation between PJM East load and the dispatch of non-controlled units in metro NYC area. Note that PJM only called the peaking units during periods of warm temperatures. PJM maximum load for 2005 was on July 26.



Data Sources: EPA, PJM

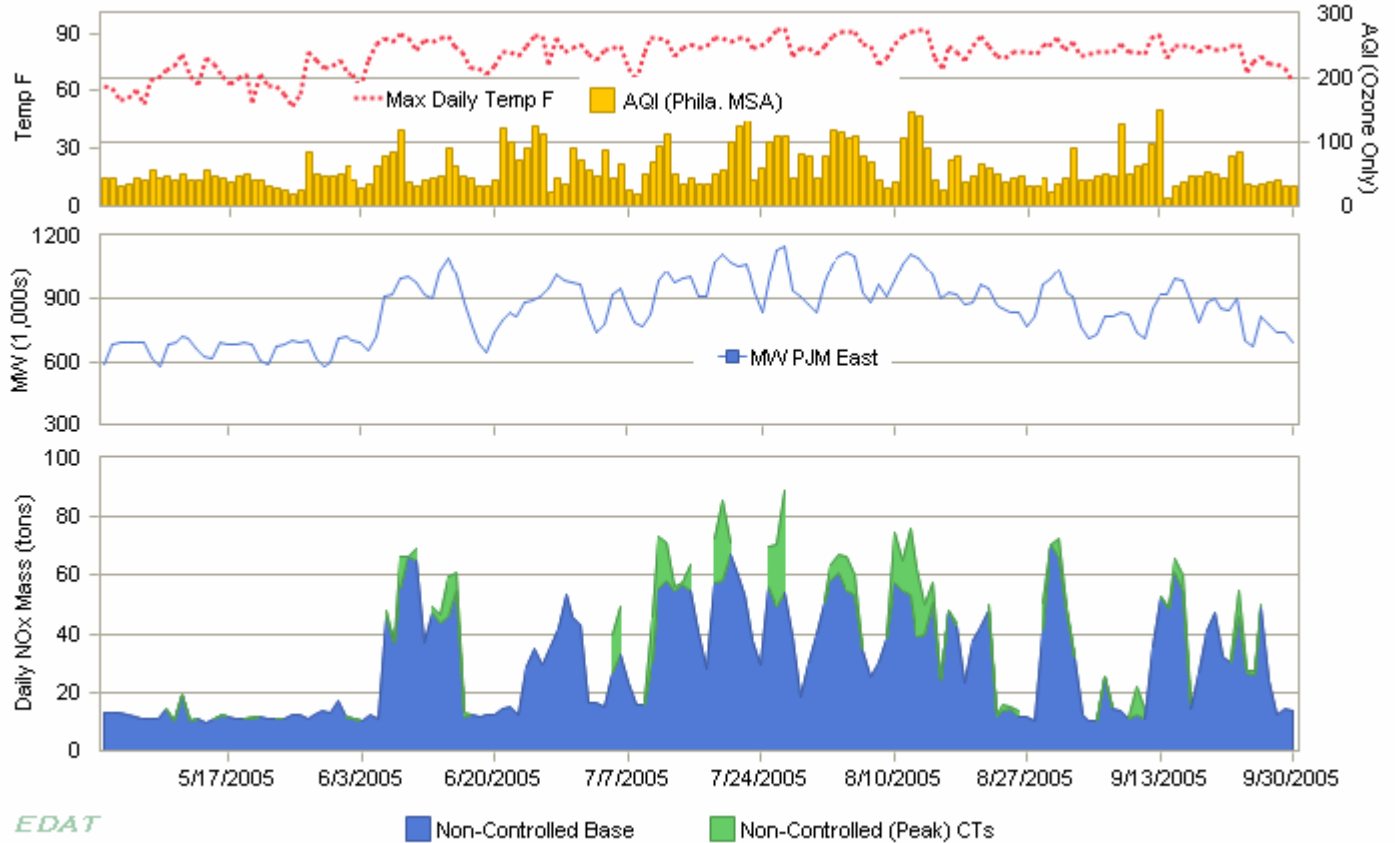


Philadelphia, PA

MSA 6160

Non-Controlled Units

- Selecting 2005 ozone season days with a maximum daily temp of approximately 90 F will capture most AQI ozone days >100 (orange or higher) in MSA 6160.
- There appears to be a close correlation between PJM East load and the dispatch of non-controlled units in metro Philadelphia area. Note that PJM only called the peaking units during periods of warm temperatures. PJM maximum load for 2005 was on July 26.



EDAT

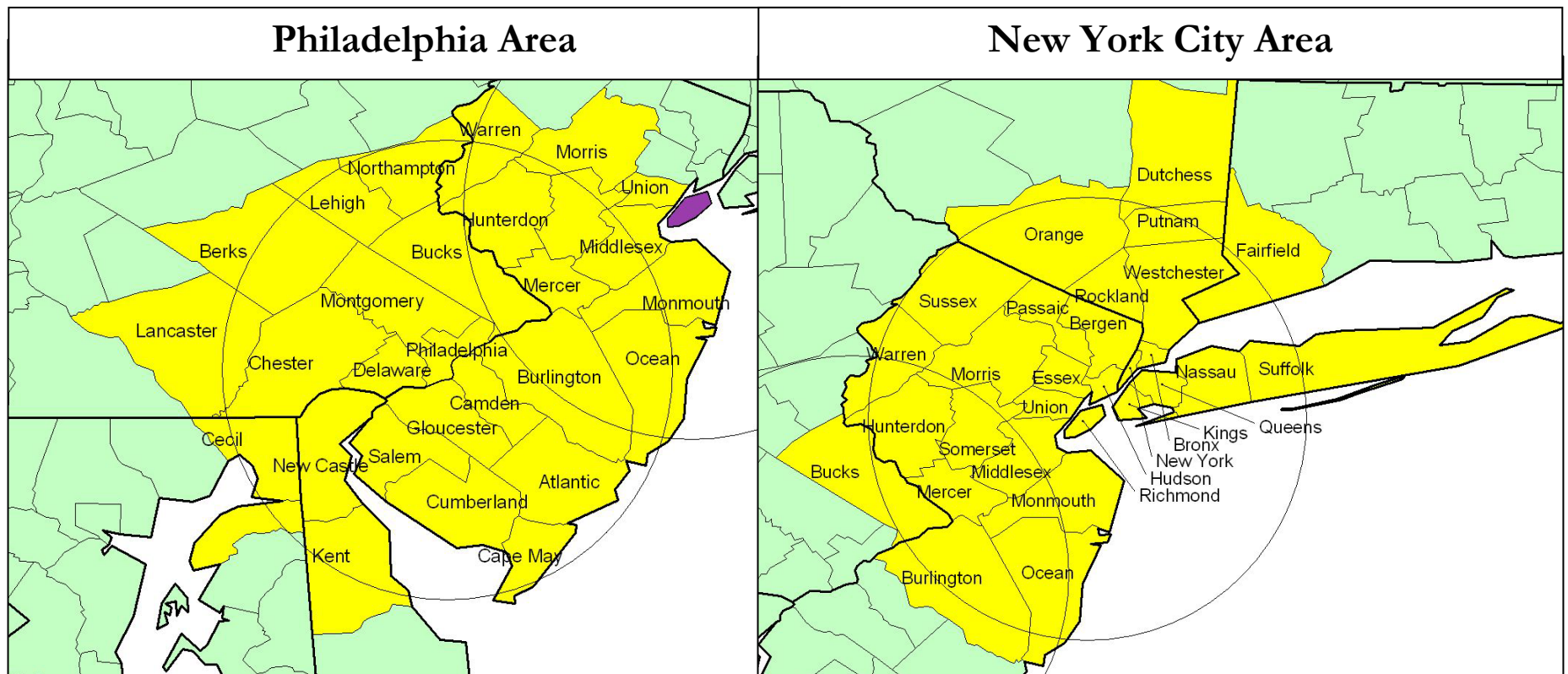
Data Sources: EPA, PJM



NYC Unit Counts by Type		
Unit type	Base	Peak
C		1
CB		
CC	5	
CFB		
CT		191
DB	4	5
OB	3	
T	11	3
TOTAL	23	201

Philadelphia Unit Counts by Type		
Unit type	Base	Peak
C		1
CB	1	
CC	2	
CFB	1	
CT		37
DB	9	2
OB	5	
T	8	2
TOTAL	26	42

*Counties Included in Analysis



u Counties chosen:

- © Were predicted to remain in non-attainment in 2015 with CAIR,
- © Had at least a portion of area within a 50-mile radius of the respective city center or included major EGUs.
- © NOTE: There is some overlap between areas