

eGRID2018 Plant Data File

1/28/2020

Sheet 3 - PLNT18 - Plant year 2018 data

Filtered to Plant 7631

<https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid>

eGRID2018 Plant file sequence number	SEQPLT18	7631
Data Year	YEAR	2018
Plant state abbreviation	PSTATABB	NY
Plant name	PNAME	Arthur Kill
DOE/EIA ORIS plant or facility code	ORISPL	2490
Plant transmission or distribution system owner name	OPRNAME	Consolidated Edison Co-NY Inc
Plant transmission or distribution system owner ID	OPRCODE	4226
Utility name	UTLSRVNM	NRG Arthur Kill Operations Inc
Utility ID	UTLSRVID	13192
Plant-level sector	SECTOR	IPP Non-CHP
Balancing Authority Name	BANAME	New York Independent System Operator
Balancing Authority Code	BACODE	NYIS
NERC region acronym	NERC	NPCC
eGRID subregion acronym	SUBRGN	NYCW
eGRID subregion name	SRNAME	NPCC NYC/Westchester
Plant associated ISO/RTO Territory	ISORTO	NYISO
Plant FIPS state code	FIPSST	36
Plant FIPS county code	FIPSCNTY	085
Plant county name	CNTYNAME	Richmond
Plant latitude	LAT	40.591564
Plant longitude	LON	-74.200035
Number of units	NUMUNT	3
Number of generators	NUMGEN	3
Plant primary fuel	PLPRMFL	NG
Plant primary coal/oil/gas/ other fossil fuel category	PLFUELCT	GAS
Flag indicating if the plant burned or generated any amount of coal	COALFLAG	
Plant capacity factor	CAPFAC	0.1262
Plant nameplate capacity (MW)	NAMEPCAP	895.5
Nonbaseload Factor	NBFACTOR	1.0000
Biogas/ biomass plant adjustment flag	RBMFLAG	
Combined heat and power (CHP) plant adjustment flag	CHPFLAG	
CHP plant useful thermal output (MMBtu)	USETHRMO	
CHP plant power to heat ratio	PWRTOHT	
CHP plant electric allocation factor	ELCALLOC	
Plant pumped storage flag	PSFLAG	
Plant annual heat input from combustion (MMBtu)	PLHTIAN	11,542,134
Plant ozone season heat input from combustion (MMBtu)	PLHTIOZ	7,686,387
Plant total annual heat input (MMBtu)	PLHTIANT	11,542,134
Plant total ozone season heat input (MMBtu)	PLHTIOZT	7,686,387
Plant annual net generation (MWh)	PLNGENAN	989,784
Plant ozone season net generation (MWh)	PLNGENOZ	668,366
Plant annual NOx emissions (tons)	PLNOXAN	392
Plant ozone season NOx emissions (tons)	PLNOXOZ	264
Plant annual SO2 emissions (tons)	PLSO2AN	3
Plant annual CO2 emissions (tons)	PLCO2AN	685,924

Plant annual CH4 emissions (lbs)	PLCH4AN	25,473
Plant annual N2O emissions (lbs)	PLN2OAN	2,547
Plant annual CO2 equivalent emissions (tons)	PLCO2EQA	686,622
Plant annual Hg emissions (lbs)	PLHGAN	
Plant annual NOx total output emission rate (lb/MWh)	PLNOXRTA	0.792
Plant ozone season NOx total output emission rate (lb/MWh)	PLNOXRTO	0.789
Plant annual SO2 total output emission rate (lb/MWh)	PLSO2RTA	0.007
Plant annual CO2 total output emission rate (lb/MWh)	PLCO2RTA	1,386.007
Plant annual CH4 total output emission rate (lb/MWh)	PLCH4RTA	0.026
Plant annual N2O total output emission rate (lb/MWh)	PLN2ORTA	0.003
Plant annual CO2 equivalent total output emission rate (lb/MWh)	PLC2ERTA	1,387.417
Plant annual Hg total output emission rate (lb/MWh)	PLHGRTA	
Plant annual NOx input emission rate (lb/MMBtu)	PLNOXRA	0.068
Plant ozone season NOx input emission rate (lb/MMBtu)	PLNOXRO	0.069
Plant annual SO2 input emission rate (lb/MMBtu)	PLSO2RA	0.001
Plant annual CO2 input emission rate (lb/MMBtu)	PLCO2RA	118.856
Plant annual CH4 input emission rate (lb/MMBtu)	PLCH4RA	4.414
Plant annual N2O input emission rate (lb/MMBtu)	PLN2ORA	0.441
Plant annual CO2 equivalent input emission rate (lb/MMBtu)	PLC2ERA	118.977
Plant annual Hg input emission rate (lb/MMBtu)	PLHGRA	
Plant annual NOx combustion output emission rate (lb/MWh)	PLNOXCRT	0.792
Plant ozone season NOx combustion output emission rate (lb/MWh)	PLNOXCRO	0.789
Plant annual SO2 combustion output emission rate (lb/MWh)	PLSO2CRT	0.007
Plant annual CO2 combustion output emission rate (lb/MWh)	PLCO2CRT	1,386.007
Plant annual CH4 combustion output emission rate (lb/MWh)	PLCH4CRT	0.026
Plant annual N2O combustion output emission rate (lb/MWh)	PLN2OCRT	0.003
Plant annual Hg combustion output emission rate (lb/MWh)	PLHGCRT	
Plant unadjusted annual NOx emissions (tons)	UNNOX	392
Plant unadjusted ozone season NOx emissions (tons)	UNNOXOZ	264
Plant unadjusted annual SO2 emissions (tons)	UNSO2	3
Plant unadjusted annual CO2 emissions (tons)	UNCO2	685,924
Plant unadjusted annual CH4 emissions (lbs)	UNCH4	25,473
Plant unadjusted annual N2O emissions (lbs)	UNN2O	2,547
Plant unadjusted annual Hg emissions (lbs)	UNHG	
Plant unadjusted annual heat input from combustion (MMBtu)	UNHTI	11,542,134
Plant unadjusted ozone season heat input from combustion (MMBtu)	UNHTIOZ	7,686,387
Plant unadjusted total annual heat input (MMBtu)	UNHTIT	11,542,134
Plant unadjusted total ozone season heat input (MMBtu)	UNHTIOZT	7,686,387
Plant unadjusted annual NOx emissions source	UNNOXSRC	EPA/CAMD
Plant unadjusted ozone season NOx emissions source	UNNOZSRC	EPA/CAMD
Plant unadjusted annual SO2 emissions source	UNSO2SRC	EPA/CAMD; EIA
Plant unadjusted annual CO2 emissions source	UNCO2SRC	EPA/CAMD; EIA
Plant unadjusted annual CH4 emissions source	UNCH4SRC	EIA
Plant unadjusted annual N2O emissions source	UNN2OSRC	EIA
Plant unadjusted annual Hg emissions source	UNHGSRC	EPA/CAMD
Plant unadjusted annual heat input source	UNHTISRC	EPA/CAMD
Plant unadjusted ozone season heat input source	UNHOZSRC	EPA/CAMD
Plant annual NOx biomass emissions (tons)	BIONOX	
Plant ozone season NOx biomass emissions (tons)	BIONOXOZ	
Plant annual SO2 biomass emissions (tons)	BIOSO2	
Plant annual CO2 biomass emissions (tons)	BIOCO2	
Plant annual CH4 biomass emissions (lbs)	BIOCH4	

Plant annual N2O biomass emissions (lbs)	BION2O	
Plant combustion heat input CHP adjustment value (MMBtu)	CHPCHTI	
Plant combustion annual ozone season heat input CHP adjustment value (MMBtu)	CHPCHTIOZ	
Plant annual NOx emissions CHP adjustment value (tons)	CHPNOX	
Plant ozone season NOx emissions CHP adjustment value (tons)	CHPNOXOZ	
Plant annual SO2 emissions CHP adjustment value (tons)	CHPSO2	
Plant annual CO2 emissions CHP adjustment value (tons)	CHPCO2	
Plant annual CH4 emissions CHP adjustment value (lbs)	CHPCH4	
Plant annual N2O emissions CHP adjustment value (lbs)	CHPN2O	
Plant nominal heat rate (Btu/kWh)	PLHTRT	11,661
Plant annual coal net generation (MWh)	PLGENACL	0
Plant annual oil net generation (MWh)	PLGENAOL	0
Plant annual gas net generation (MWh)	PLGENAGS	989,784
Plant annual nuclear net generation (MWh)	PLGENANC	0
Plant annual hydro net generation (MWh)	PLGENAHY	0
Plant annual biomass net generation (MWh)	PLGENABM	0
Plant annual wind net generation (MWh)	PLGENAWI	0
Plant annual solar net generation (MWh)	PLGENASO	0
Plant annual geothermal net generation (MWh)	PLGENAGT	0
Plant annual other fossil net generation (MWh)	PLGENAOF	0
Plant annual other unknown/ purchased fuel net generation (MWh)	PLGENAOP	0
Plant annual total nonrenewables net generation (MWh)	PLGENATN	989,784
Plant annual total renewables net generation (MWh)	PLGENATR	0
Plant annual total nonhydro renewables net generation (MWh)	PLGENATH	0
Plant annual total combustion net generation (MWh)	PLGENACY	989,784
Plant annual total noncombustion net generation (MWh)	PLGENACN	0
Plant coal generation percent (resource mix)	PLCLPR	0.0%
Plant oil generation percent (resource mix)	PLOLPR	0.0%
Plant gas generation percent (resource mix)	PLGSPR	100.0%
Plant nuclear generation percent (resource mix)	PLNCPR	0.0%
Plant hydro generation percent (resource mix)	PLHYPR	0.0%
Plant biomass generation percent (resource mix)	PLBMPR	0.0%
Plant wind generation percent (resource mix)	PLWIPR	0.0%
Plant solar generation percent (resource mix)	PLSOPR	0.0%
Plant geothermal generation percent (resource mix)	PLGTPR	0.0%
Plant other fossil generation percent (resource mix)	PLOFPR	0.0%
Plant other unknown / purchased fuel generation percent (resource mix)	PLOPPR	0.0%
Plant total nonrenewables generation percent (resource mix)	PLTNPR	100.0%
Plant total renewables generation percent (resource mix)	PLTRPR	0.0%
Plant total nonhydro renewables generation percent (resource mix)	PLTHPR	0.0%
Plant total combustion generation percent (resource mix)	PLCYPR	100.0%
Plant total noncombustion generation percent (resource mix)	PLCNPR	0.0%