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RA14-015

10 CFR 50.36a

May 1, 2014

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

LaSalle County Station, Units 1 and 2
Facility Operating License Nos. NPF-11 and NPF-18
NRC Docket Nos. 50-373 and 50-374

Subject: 2013 Annual Radioactive Effluent Release Report

Enclosed is the Exelon Generation Company, LLC, 2013 Annual Radioactive Effluent Release Report for LaSalle County Station, submitted in accordance with 10 CFR 50.36a "Technical specifications on effluents from nuclear power reactors," paragraph (a)(2), and Technical Specification 5.6.3 "Radioactive Effluent Release Report."

Should you have any questions concerning this letter, please contact Mr. Guy V. Ford, Regulatory Assurance Manager, at (815) 415-2800.

Respectfully,

Peter J. Karaba
Site Vice President
LaSalle County Station

Attachment: 2013 Effluent and Waste Disposal Annual Report

cc: Regional Administrator - NRC Region III
NRC Senior Resident Inspector - LaSalle County Station

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
SUPPLEMENTAL INFORMATION

1. Regulatory Limits

   a. Gaseous Effluents

      1) The air dose due to noble gases released in gaseous effluents, from each reactor unit, from the site shall be limited to the following:

         a) During any calendar quarter: Less than or equal to 5 mrad for gamma radiation and less than or equal to 10 mrad for beta radiation, and

         b) During any calendar year: Less than or equal to 10 mrad for gamma radiation and less than or equal to 20 mrad for beta radiation.

      2) The dose to an individual from radioiodines and radioactive materials in particulate form, and radionuclides, other than noble gases, with half-lives greater than eight days in gaseous effluents released, from each reactor unit, from the site shall be limited to the following:

         a) During any calendar quarter: Less than or equal to 7.5 mRem to any organ, and

         b) During any calendar year: Less than or equal to 15 mRem to any organ.

   b. Liquid Effluents

      1) The dose or dose commitment to an individual from radioactive materials in liquid effluents released, from each reactor unit, from the site shall be limited:

         a) During any calendar quarter: Less than or equal to 1.5 mRem to the total body and to less than or equal to 5 mRem to any organ, and

         b) During any calendar year: Less than or equal to 3 mRem to the total body and to less than or equal to 10 mRem to any organ.

   c. Total Dose

      1) The dose or dose commitment to any member of the public, due to releases or radioactivity and radiation, from uranium fuel cycle sources shall be limited to less than or equal to 25 mRem to the body or any organ (except the thyroid, which shall be limited to less than or equal to 75 mRem) over 12 consecutive months.

2. Allowable Concentrations

   a. Gaseous Effluents

      1) The dose rate due to radioactive materials released in gaseous effluents from the site shall be limited to the following:

         a) For noble gases: Less than or equal to 500 mRem/year to the total body and less than or equal to 3000 mRem/year to the skin, and

         b) For all radioiodines and for all radioactive materials in particulate form, and radionuclides, other than noble gases, with half-lives greater than eight days: Less than or equal to 1500 mRem/year to any organ via the inhalation pathway.

b. Liquid Effluents

1) The concentration of radioactive material released from the site shall be limited to ten (10) times the concentrations specified in 10 CFR Part 20, Appendix B, Table II, Column 2 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to the following:

Nuclide	DWC (μCi/mL)
Kr-85m	2.00E-04
Kr-85	5.00E-04
Kr-87	4.00E-05
Kr-88	9.00E-05
Xe-131m	7.00E-04
Xe-133m	5.00E-04
Xe-133	6.00E-04
Xe-135m	2.00E-04
Xe-135	2.00E-04
Ar-41	7.00E-05

3. Average Energy

1) Not applicable - average energy is no longer used to determine dose to the public.

4. Measurements and Approximations of Total Radioactivity

a. Gaseous Effluents

1) Containment Vent and Purge System is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.

2) Main Vent Stack is sampled by grab sample, which is analyzed for principal gamma emitters and H-3.

3) Standby Gas Treatment System is sampled by grab sample, which is analyzed for principal gamma emitters.

4) All release types as listed in 1 and 2 above are sampled at the vent stack, and those listed in 3 above are sampled at the Standby Gas Treatment System whenever there is flow. These effluents are continuously sampled by charcoal cartridge and particulate filter paper, which are analyzed for iodines and principal gamma emitters. Particulate filter papers are composited and analyzed for gross alpha, Sr-89 and Sr-90. Noble gases, gross beta and gamma are continuously monitored by noble gas monitors for the vent stack and the standby gas treatment system.

5) The LaSalle County Station estimate of 16.85 Ci/Unit/year of C-14 (as total C-14 released) is based upon a normalized C-14 production rate of 5.1 Ci/GWt-yr, a gaseous release fraction of 0.99, a reactor power rating of 3546 MWt (per Unit) and equivalent full power operation of 343.5 days (per Unit).

b. Liquid Effluents

1) Batch waste release tanks are sampled each batch for principal gamma emitters, I-131, dissolved and entrained noble gases, H-3, gross alpha, Sr-89, Sr-90 and Fe-55.

2) Continuous releases are sampled continuously in proportion to the rate of flow of the effluent stream and by grab sample. Samples are analyzed for principal gamma emitters, I-131, dissolved and entrained noble gases, H-3, gross alpha, Sr-89, Sr-90 and Fe-55.

5. Batch Releases

a. Gaseous

1)	Number of batch releases:	None
2)	Total time period for batch releases:	N/A
3)	Maximum time period for a batch release:	N/A
4)	Average time period for batch releases:	N/A
5)	Minimum time period for a batch release:	N/A

b. Liquid

1)	Number of batch releases:	None
2)	Total time period for batch releases: Min.	N/A
3)	Maximum time period for a batch release: Min.	N/A
4)	Average time period for batch releases: Min.	N/A
5)	Minimum time period for a batch release: Min.	N/A
6)	Average stream flow during periods of release of effluent into a flowing stream: gpm	N/A

6. Abnormal Releases

a. Gaseous

1)	Number of releases:	None
2)	Total activity released:	N/A

b. Liquid

1)	Number of releases:	None
2)	Total activity released:	N/A

7. Process Control Program

There were no changes to the Process Control Program or to processing systems or components. There was no use of a solidification agent (e.g. cement, urea formaldehyde) during the processing of solid radioactive waste.

8. Effluent Monitoring Instrumentation time clocks and sample anomalies.

   a. Time clocks:

      There were no effluent monitoring time clocks exceeded in 2013.

   b. Sample anomalies:

      There were no sampling anomalies affecting the measurement of effluents experienced during 2013.

9. Offsite Dose Calculation Manual Revisions.

   There were no revisions made to the ODCM in 2013.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
UNIT 1 AND UNIT 2
DOCKET NUMBERS 50-373 AND 50-374
GASEOUS EFFLUENTS SUMMATION OF ALL RELEASES

A. Fission & Activation Gases	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter4	Est. Total Error %
1. Total Release	Ci	3.17E+02	1.56E+02	4.67E+02	6.14E+02	2.50E+01
2. Average release rate for the period	µCi/sec	4.02E+01	1.98E+02	5.92E+01	7.79E+01	
3. Percent of ODCM limit	%	*	*	*	*	

B. Iodine						
1. Total Iodine – 131	Ci	2.53E-02	4.74E-03	7.63E-03	2.52E-02	1.50E+01
2. Average release rate for the period	µCi/sec	3.20E-03	6.02E-04	9.67E-04	3.20E-03	
3. Percent of ODCM limit	%	*	*	*	*	

C. Particulates						
1. Particulates with half-lives > 8 days	Ci	4.40E-03	1.83E-03	3.09E-03	6.61E-03	3.50E+01
2. Average release rate for the period	µCi/sec	5.66E-04	2.32E-04	3.89E-04	8.32E-04	
3. Percent of ODCM limit	%	*	*	*	*	

D. Tritium						
1. Total Release	Ci	2.41E-01	3.60E-01	1.56E+00	3.59E+00	1.50E+01
2. Average release rate for the period	µCi/sec	1.30E+00	2.27E-01	5.91E-02	1.65E-02	
3. Percent of ODCM limit	%	*	*	*	*	

E. Gross Alpha						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	3.50E+01
2. Average release rate for the period	µCi/sec	<LLD	<LLD	<LLD	<LLD	
3. Percent of ODCM limit	%	*	*	*	*	

F. Carbon-14					
1. Total Release	Ci	8.42E+00	8.43E+00	8.42E+00	8.42E+00
2. Average release rate for the period	µCi/sec	1.08E+00	1.07E+00	1.06E+00	1.06E+00
3. Percent of ODCM limit	%	*	*	*	*

"*" This information is contained in the Radiological Impact on Man section of the report.
"<" Indicates activity of sample is less than LLD given in µCi/ml

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
GASEOUS EFFLUENTS ELEVATED RELEASE
UNIT 1 AND UNIT 2

Nuclides Released		Continuous Mode				Batch Mode			
	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A. Fission gases									
Kr-85m	Ci	8.64E+01	6.56E+01	1.45E+02	1.78E+02	N/A	N/A	N/A	N/A
Kr-87	Ci	<LLD	4.77E-03	1.07E+01	1.18E+01	N/A	N/A	N/A	N/A
Kr-88	Ci	8.32E+01	6.36E+01	1.82E+02	1.98E+02	N/A	N/A	N/A	N/A
Xe-131m	Ci	<LLD	6.67E-02	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-133m	Ci	<LLD	1.97E-01	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-133	Ci	1.00E+02	1.88E+01	1.29E+02	2.21E+02	N/A	N/A	N/A	N/A
Xe-135	Ci	9.95E-01	7.70E+00	2.87E-03	4.94E+00	N/A	N/A	N/A	N/A
Xe-138	Ci	4.33E+01	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ar-41	Ci	3.39E+00	6.53E-02	7.68E-03	1.85E-02	N/A	N/A	N/A	N/A
Total for Period	Ci	3.17E+02	1.56E+02	4.67E+02	6.14E+02	N/A	N/A	N/A	N/A
B. Iodines									
I-131	Ci	2.53E-02	4.74E-03	7.63E-03	2.53E-02	N/A	N/A	N/A	N/A
I-132	Ci	3.14E-02	2.37E-03	6.19E-03	3.49E-02	N/A	N/A	N/A	N/A
I-133	Ci	6.97E-02	9.85E-03	1.89E-02	7.09E-02	N/A	N/A	N/A	N/A
I-134	Ci	5.01E-02	<LLD	<LLD	1.27E-02	N/A	N/A	N/A	N/A
I-135	Ci	5.83E-02	1.58E-03	1.43E-02	6.70E-02	N/A	N/A	N/A	N/A
Total for Period	Ci	2.35E-01	1.86E-02	4.70E-02	2.11E-01	N/A	N/A	N/A	N/A
Tot. I-131,I-133,I-135	Ci	1.53E-01	1.62E-02	4.08E-02	1.63E-01	N/A	N/A	N/A	N/A
C. Particulates									
Mn-54	Ci	1.22E-05	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Co-58	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Co-60	Ci	3.12E-04	2.28E-04	2.39E-04	3.49E-04	N/A	N/A	N/A	N/A
Zn-65	Ci	<LLD	<LLD	<LLD	4.86E-05	N/A	N/A	N/A	N/A
Sr-89	Ci	4.58E-04	2.41E-04	3.79E-04	5.78E-04	N/A	N/A	N/A	N/A
Sr-90	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Mo-99	Ci	1.65E-04	1.22E-04	1.72E-05	1.60E-05	N/A	N/A	N/A	N/A
Cs-134	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Cs-137	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ba-140	Ci	1.16E-03	4.70E-04	7.73E-04	2.16E-03	N/A	N/A	N/A	N/A
La-140	Ci	2.29E-03	7.63E-04	1.69E-03	3.46E-03	N/A	N/A	N/A	N/A
Ce-141	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Total for Period	Ci	4.40E-03	1.83E-03	3.09E-03	6.61E-03	N/A	N/A	N/A	N/A
D. Tritium									
Total for Period	Ci	2.41E-01	3.60E-01	1.56E+00	3.59E+00	N/A	N/A	N/A	N/A
E. Gross Alpha									
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
F. Carbon-14									
Total for Period	Ci	8.42E+00	8.43E+00	8.42E+00	8.42E+00	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
LIQUID RELEASES
UNIT 1 AND UNIT 2
SUMMATION OF ALL LIQUID RELEASES

A. Fission & Activation Products	Unit	Quarter 1	Quarter 2	Quarter 3	Quarter4	Est. Total Error %
1. Total Release (not including tritium, gases & alpha)	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	µCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

B. Tritium						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	µCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

C. Dissolved & Entrained Gases						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average diluted concentration during period	µCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of applicable limit	%	*	*	*	*	

D. Gross Alpha Activity						
1. Total Release	Ci	<LLD	<LLD	<LLD	<LLD	N/A
2. Average release rate for the period	µCi/mL	<LLD	<LLD	<LLD	<LLD	
3. Percent of ODCM limit	%	*	*	*	*	

E. Volume of Waste Released (prior to dilution)	Liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00

F. Volume of Dilution Water Used During Period	Liters	0.00E+00	0.00E+00	0.00E+00	0.00E+00

"*" This information is contained in the Radiological Impact on Man section of the report.
"<" Indicates activity of sample is less than LLD given in µCi/ml

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
LIQUID RELEASES
UNIT 1 AND UNIT 2

Nuclides Released		Continuous Mode				Batch Mode			
A. Fission & Activation Products	**Unit**	**Quarter 1**	**Quarter 2**	**Quarter 3**	**Quarter 4**	**Quarter 1**	**Quarter 2**	**Quarter 3**	**Quarter 4**
Mn-54	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Fe-55	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Co-58	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Co-60	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Zn-65	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Sr-89	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Sr-90	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Mo-99	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
I-131	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Cs-134	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Cs-137	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ce-141	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ce-144	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
B. H-3									
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
C. Dissolved & Entrained Gasses									
Kr-85m	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Kr-85	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Kr-87	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Kr-88	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-131m	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-133m	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-133	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-135m	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Xe-135	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Ar-41	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A
D. Gross Alpha									
Total for Period	Ci	<LLD	<LLD	<LLD	<LLD	N/A	N/A	N/A	N/A

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
FIRST QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	1.52E+01	9.50E-01	1Q13	+/-25%
b. Dry compressible waste, contaminated equip, etc	7.52E+02	3.45E+00	1Q13	+/-25%
c. Irradiated components, control rods, etc	None	None	1Q13	N/A
d. Other (water and oil, FW heater)	None	None	1Q13	N/A

2. Estimate of major nuclide composition (by waste type)

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
H-3	2.419%	LSA
Mn-54	1.468%	
Fe-55	25.485%	
Co-60	43.319%	
Zn-65	6.097%	
Cs-134	1.988%	
Cs-137	17.725%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	7.581%	LSA
Fe-55	32.080%	
Co-58	1.568%	
Co-60	54.944%	
Zn-65	2.941%	
c. Irradiated components, control rods, etc		
None	N/A	N/A
d. Other (water and oil, FW heater)		
None	N/A	N/A

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
14	Hittman Transport	EnergySolutions - Bear Creek Facility, Oak Ridge, TN
2	Hittman Transport	EnergySolutions, Clive Facility, Tooele County, UT

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

There were no changes to the Process Control Program during this period. There was no use of a solidification agent (e.g. cement, urea formaldehyde) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
SECOND QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	1.02E+01	3.24E+01	2Q13	+/-25%
b. Dry compressible waste, contaminated equip, etc	1.37E+02	1.12E+01	2Q13	+/-25%
c. Irradiated components, control rods, etc	None	None	2Q13	N/A
d. Other (Water and Oil, filters & DAW HIC)	None	None	2Q13	N/A

2. Estimate of major nuclide composition (by waste type)

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	1.760%	LSA
Fe-55	49.108%	
Co-60	41.933%	
Zn-65	3.292%	
Cs-137	2.667%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	1.242%	LSA
Fe-55	26.410%	
Co-60	69.363%	
c. Irradiated components, control rods, etc		
None	N/A	N/A
d. Other (Water and Oil, filters & DAW HIC)		
None	N/A	N/A

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
4	Hittman Transport	EnergySolutions - Bear Creek Facility, Oak Ridge, TN
2	Hittman Transport	EnergySolutions, Clive Facility, Tooele County, UT

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

There were no changes to the Process Control Program during this period. There was no use of a solidification agent (e.g. cement, urea formaldehyde) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
THIRD QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error (%)
a. Spent resins, filter sludges, evaporator bottoms, etc	1.26E+01	2.84E+00	3Q13	+/-25%
b. Dry compressible waste, contaminated equip, etc	2.09E+02	3.50E+01	3Q13	+/-25%
c. Irradiated components, control rods, etc	None	None	3Q13	N/A
d. Other (water and oil)	7.45E+00	1.87E-02	3Q13	+/-25%

2. Estimate of major nuclide composition (by waste type)

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	1.441%	LSA
Fe-55	25.884%	
Co-60	44.343%	
Zn-65	5.898%	
Cs-134	2.010%	
Cs-137	18.268%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	1.263%	LSA
Fe-55	24.335%	
Co-60	71.620%	
Zn-65	1.065%	
c. Irradiated components, control rods, etc		
None	N/A	N/A
d. Other (water and oil)		
Mn-54	1.264%	LSA
Fe-55	24.312%	
Co-60	71.531%	
Zn-65	1.066%	

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
9	Hittman Transport	EnergySolutions - Bear Creek Facility, Oak Ridge, TN
1	Visionary Solutions	EnergySolutions – Bear Creek Facility, Oak Ridge, TN
2	Hittman Transport	EnergySolutions, Clive Facility, Tooele County, UT

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

There were no changes to the Process Control Program during this period. There was no use of a solidification agent (e.g. cement, urea formaldehyde) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
FOURTH QUARTER

A. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel)

1. Types of Waste

Types of Waste	Total Quantity (m^3)	Total Activity (Ci)	Period	Est. Total Error %
a. Spent resins, filter sludges, evaporator bottoms, etc	4.01E+01	1.68E+01	4Q13	+/-25%
b. Dry compressible waste, contaminated equip, etc	7.15E+01	1.04E+01	4Q13	+/-25%
c. Irradiated components, control rods, etc	None	None	4Q13	N/A
d. Other (Water and Oil)	None	None	4Q13	N/A

2. Estimate of major nuclide composition (by waste type)

Major Nuclide Composition	Percent Abundance (≥1%)	Shipment Type(s)
a. Spent resins, filter sludges, evaporator bottoms, etc		
Mn-54	1.162%	LSA
Fe-55	25.170%	
Co-60	45.410%	
Zn-65	4.479%	
Cs-134	1.895%	
Cs-137	19.626%	
b. Dry compressible waste, contaminated equip, etc		
Mn-54	1.228%	LSA
Fe-55	24.958%	
Co-60	70.959%	
Zn-65	1.030%	
c. Irradiated components, control rods, etc		
None	N/A	N/A
d. Other (Water and Oil)		
None	N/A	N/A

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
3	Hittman Transport	EnergySolutions - Bear Creek Facility, Oak Ridge, TN
8	Hittman Transport	EnergySolutions, Clive Facility, Tooele County, UT

B. Irradiated Fuel Shipments (disposition)

Number of Shipments	Mode of Transportation	Destination
None	N/A	N/A

C. Changes to the Process Control Program

There were no changes to the Process Control Program during this period. There was no use of a solidification agent (e.g. cement, urea formaldehyde) during the processing of solid radioactive waste.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM GASEOUS RELEASES AND COMPLIANCE STATUS

Infant Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
Gamma Air	5.00E+00	mRad	3.84E-03	0.08	2.22E-03	0.04	6.33E-03	0.13	6.98E-03	0.14	1.00E+01	0.19
Beta Air	1.00E+01	mRad	1.98E-04	0.00	9.52E-05	0.00	2.85E-04	0.00	3.48E-04	0.00	2.00E+01	0.01
NG Total Body	2.50E+00	mRem	2.56E-03	0.10	1.48E-03	0.06	4.22E-03	0.17	4.66E-03	0.19	5.00E+00	0.26
NG Skin	7.50E+00	mRem	4.33E-03	0.06	2.49E-03	0.03	7.12E-03	0.09	7.86E-03	0.11	1.50E+01	0.15
NNG Organ	7.50E+00	mRem	1.24E-01	1.65	2.43E-02	0.32	3.82E-02	0.51	1.24E-01	1.65	1.50E+01	2.07

Child Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
Gamma Air	5.00E+00	mRad	3.84E-03	0.08	2.22E-03	0.04	6.33E-03	0.13	6.98E-03	0.14	1.00E+01	0.19
Beta Air	1.00E+01	mRad	1.98E-04	0.00	9.52E-05	0.00	2.85E-04	0.00	3.48E-04	0.00	2.00E+01	0.01
NG Total Body	2.50E+00	mRem	2.56E-03	0.10	1.48E-03	0.06	4.22E-03	0.17	4.66E-03	0.19	5.00E+00	0.26
NG Skin	7.50E+00	mRem	4.33E-03	0.06	2.49E-03	0.03	7.12E-03	0.09	7.86E-03	0.11	1.50E+01	0.15
NNG Organ	7.50E+00	mRem	5.11E-02	0.68	1.01E-02	0.13	1.59E-02	0.21	5.11E-02	0.68	1.50E+01	0.85

Teenager Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
Gamma Air	5.00E+00	mRad	3.84E-03	0.08	2.22E-03	0.04	6.33E-03	0.13	6.98E-03	0.14	1.00E+01	0.19
Beta Air	1.00E+01	mRad	1.98E-04	0.00	9.52E-05	0.00	2.85E-04	0.00	3.48E-04	0.00	2.00E+01	0.01
NG Total Body	2.50E+00	mRem	2.56E-03	0.10	1.48E-03	0.06	4.22E-03	0.17	4.66E-03	0.19	5.00E+00	0.26
NG Skin	7.50E+00	mRem	4.33E-03	0.06	2.49E-03	0.03	7.12E-03	0.09	7.86E-03	0.11	1.50E+01	0.15
NNG Organ	7.50E+00	mRem	2.58E-02	0.34	5.07E-03	0.07	7.98E-03	0.11	2.58E-02	0.34	1.50E+01	0.43

Adult Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
Gamma Air	5.00E+00	mRad	3.84E-03	0.08	2.22E-03	0.04	6.33E-03	0.13	6.98E-03	0.14	1.00E+01	0.19
Beta Air	1.00E+01	mRad	1.98E-04	0.00	9.52E-05	0.00	2.85E-04	0.00	3.48E-04	0.00	2.00E+01	0.01
NG Total Body	2.50E+00	mRem	2.56E-03	0.10	1.48E-03	0.06	4.22E-03	0.17	4.66E-03	0.19	5.00E+00	0.26
NG Skin	7.50E+00	mRem	4.33E-03	0.06	2.49E-03	0.03	7.12E-03	0.09	7.86E-03	0.11	1.50E+01	0.15
NNG Organ	7.50E+00	mRem	1.63E-02	0.22	3.19E-03	0.04	5.03E-03	0.07	1.63E-02	0.22	1.50E+01	0.27

The LaSalle County Nuclear Power Station maximum expected annual dose from Carbon-14 has been calculated using the maximum gross thermal capacity at full power operation. The resultant bounding doses are based upon site specific assumptions of source term.

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM LIQUID RELEASES AND COMPLIANCE STATUS

Infant Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00

Child Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00

Teenager Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00

Adult Receptor	Quarterly Limit	Units	1st Quarter	% of Limit	2nd Quarter	% of Limit	3rd Quarter	% of Limit	4th Quarter	% of Limit	Annual Limit	% of Limit
10CFR50 Appendix I compliance												
Total Body	1.50E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	3.00E+00	0.00
Organ	5.00E+00	mRem	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	0.00	1.00E+01	0.00
40CFR141 compliance (nearest public drinking water)												
Total Body		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00
Organ		mRem	0.00E+00		0.00E+00		0.00E+00		0.00E+00		4.00E+00	0.00

LASALLE COUNTY NUCLEAR POWER STATION
EFFLUENT AND WASTE DISPOSAL ANNUAL REPORT (2013)
RADIOLOGICAL IMPACT ON MAN
MAXIMUM DOSES RESULTING FROM RELEASES AND COMPLIANCE STATUS

10CFR20 / 40CFR190 Compliance

	1st Quarter Dose (mRem)	2nd Quarter Dose (mRem)	3rd Quarter Dose (mRem)	4th Quarter Dose (mRem)	Annual Dose (mRem)	Annual Limit (mRem/yr)	% Annual Limit
Unit 1							
						40CFR190 Compliance	
U1 D^{Ex}	9.93E-02	8.53E-02	1.00E-01	1.03E-01	3.88E-01	25	1.55
						10CFR20 Compliance	
U1 D^{Tot}	2.23E-01	1.10E-01	1.39E-01	2.27E-01	6.98E-01	100	0.70
						40CFR190 Compliance	
Bone	7.18E-03	6.89E-03	6.94E-03	7.19E-03	2.82E-02	25	0.11
Liver	1.86E-03	1.54E-03	1.59E-03	1.87E-03	6.87E-03	25	0.03
Thyroid	1.24E-01	2.43E-02	3.82E-02	1.24E-01	3.10E-01	75	0.41
Kidney	1.93E-03	1.56E-03	1.61E-03	1.93E-03	7.03E-03	25	0.03
Lung	1.49E-03	1.47E-03	1.48E-03	1.49E-03	5.93E-03	25	0.02
GI-LLI	1.50E-03	1.48E-03	1.48E-03	1.51E-03	5.97E-03	25	0.02
Unit 2							
						40CFR190 Compliance	
U2 D^{Ex}	7.07E-02	8.37E-02	9.57E-02	9.86E-02	3.49E-01	25	1.39
						10CFR20 Compliance	
U2 D^{Tot}	7.07E-02	8.37E-02	9.57E-02	9.86E-02	3.49E-01	100	0.35
						40CFR190 Compliance	
Bone	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Liver	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Thyroid	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	75	0.00
Kidney	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
Lung	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00
GI-LLI	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25	0.00

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	1	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	1	0	0	1

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	2	1	0	0	3
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	1	0	0	1
W	0	0	0	3	0	0	3
WNW	0	0	0	0	1	0	1
NW	0	0	0	2	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	2	7	1	0	10

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	1	0	0	1
ESE	0	0	1	0	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	1	1	0	0	0	2
S	0	2	0	1	0	0	3
SSW	0	0	1	3	2	0	6
SW	0	0	1	0	0	0	1
WSW	0	0	1	1	2	0	4
W	0	0	0	5	0	0	5
WNW	0	0	5	3	4	0	12
NW	0	0	2	3	1	0	6
NNW	0	0	0	1	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	3	12	18	9	0	42

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	8	44	41	0	0	94
NNE	0	10	12	2	0	0	24
NE	2	2	6	10	5	0	25
ENE	2	8	15	21	12	3	61
E	0	4	13	24	9	1	51
ESE	2	7	6	13	1	0	29
SE	1	7	12	10	1	0	31
SSE	1	3	9	9	0	1	23
S	0	5	4	5	1	0	15
SSW	1	10	21	8	11	2	53
SW	0	7	18	12	5	0	42
WSW	1	12	14	29	10	0	66
W	0	16	26	34	15	3	94
WNW	0	15	68	85	37	8	213
NW	0	13	57	33	3	0	106
NNW	0	15	78	93	9	0	195
Variable	1	0	0	0	0	0	1
Total	12	142	403	429	119	18	1123

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	20	6	0	0	0	27
NNE	7	13	0	0	0	0	20
NE	3	3	1	1	0	0	8
ENE	2	2	4	8	0	0	16
E	1	13	4	5	1	0	24
ESE	2	8	17	10	0	0	37
SE	1	5	27	16	2	0	51
SSE	1	4	12	21	3	0	41
S	1	2	4	12	6	3	28
SSW	5	6	13	28	19	0	71
SW	3	10	6	24	11	0	54
WSW	1	5	19	20	1	5	51
W	3	15	18	11	9	12	68
WNW	4	20	40	14	40	33	151
NW	4	13	14	2	2	1	36
NNW	1	5	8	3	0	0	17
Variable	0	0	0	0	0	0	0
Total	40	144	193	175	94	54	700

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	0	0	0	0	4
NNE	1	2	0	0	0	0	3
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	0	8	7	0	0	0	15
ESE	0	7	4	1	0	0	12
SE	1	4	7	3	0	0	15
SSE	1	1	2	1	0	0	5
S	0	2	2	2	0	0	6
SSW	0	4	17	5	0	0	26
SW	0	5	8	3	3	0	19
WSW	0	9	13	6	0	0	28
W	0	8	13	2	1	0	24
WNW	0	10	1	1	0	1	13
NW	0	2	0	0	0	0	2
NNW	0	5	1	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	3	72	75	24	4	1	179

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	0	7	8	0	0	0	15
ESE	1	10	0	0	0	0	11
SE	1	4	5	2	0	0	12
SSE	0	2	3	0	0	0	5
S	0	1	0	1	0	0	2
SSW	0	5	13	0	0	0	18
SW	0	6	8	0	0	0	14
WSW	0	7	2	0	0	0	9
W	0	4	2	0	0	0	6
WNW	0	6	2	0	0	0	8
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	2	53	43	3	0	0	101

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	1	0	1

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	1	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	2

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	1	0	1
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	1	0	1
W	0	0	0	0	1	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	2	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	5	0	5

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	7	51	24	2	88
NNE	2	4	7	6	3	1	23
NE	0	3	6	9	7	3	28
ENE	1	1	10	12	21	16	61
E	3	2	11	6	18	15	55
ESE	2	6	2	7	14	2	33
SE	0	4	2	16	4	1	27
SSE	1	5	8	13	6	0	33
S	1	6	7	5	4	1	24
SSW	0	6	12	14	8	24	64
SW	0	5	9	16	10	9	49
WSW	1	5	7	25	22	14	74
W	0	5	17	27	36	31	116
WNW	1	9	30	75	57	71	243
NW	2	12	39	53	60	15	181
NNW	0	12	24	39	29	15	119
Variable	1	0	0	0	0	0	1
Total	15	89	198	374	323	220	1219

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 72
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	5	7	2	1	0	15
NNE	0	11	4	3	0	0	18
NE	0	5	10	1	1	0	17
ENE	0	5	9	4	4	1	23
E	1	1	6	3	0	0	11
ESE	0	5	2	15	6	5	33
SE	2	4	2	13	14	10	45
SSE	0	5	3	6	25	22	61
S	0	2	5	1	5	25	38
SSW	2	5	4	5	12	47	75
SW	0	3	2	12	4	32	53
WSW	1	7	4	11	14	23	60
W	8	2	6	10	21	35	82
WNW	1	5	8	30	5	44	93
NW	0	5	6	20	5	1	37
NNW	2	1	6	5	7	0	21
Variable	0	0	0	0	0	0	0
Total	17	71	84	141	124	245	682

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 6
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	2	1	0	0	3
NNE	0	0	1	0	0	0	1
NE	0	1	1	0	0	0	2
ENE	0	1	0	0	0	0	1
E	1	1	3	0	0	0	5
ESE	0	2	7	5	2	0	16
SE	0	0	2	5	2	2	11
SSE	0	1	1	2	3	5	12
S	0	1	0	1	2	7	11
SSW	0	0	0	2	3	1	6
SW	0	0	3	4	9	6	22
WSW	1	0	5	9	1	6	22
W	0	1	6	2	5	2	16
WNW	0	0	1	5	2	0	8
NW	0	0	3	3	0	0	6
NNW	0	0	5	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	2	8	40	39	29	29	147

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: January - March 2013
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	1	3	0	0	4
SE	0	0	0	2	0	0	2
SSE	0	0	1	2	0	0	3
S	0	0	0	0	0	0	0
SSW	0	0	0	1	0	0	1
SW	0	0	0	2	1	1	4
WSW	0	0	0	1	3	0	4
W	0	1	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	1	0	2	1	0	0	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	1	1	4	12	4	1	23

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 3

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	2	4	1	0	0	7
NNE	0	0	3	0	0	0	3
NE	0	0	1	2	0	0	3
ENE	0	0	0	5	0	0	5
E	0	0	0	0	0	0	0
ESE	0	0	2	4	1	0	7
SE	0	1	1	2	1	0	5
SSE	0	0	1	0	0	0	1
S	0	0	1	1	0	0	2
SSW	0	1	1	4	4	0	10
SW	0	1	0	5	0	0	6
WSW	0	1	1	0	0	0	2
W	0	0	2	0	0	0	2
WNW	0	0	1	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	3	1	1	0	0	5
Variable	0	0	0	0	0	0	0
Total	0	9	19	25	6	0	59

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	3	7	4	0	0	14
NNE	0	1	7	2	0	0	10
NE	0	2	5	6	1	0	14
ENE	0	1	2	3	1	0	7
E	0	0	3	2	0	0	5
ESE	0	0	4	2	1	0	7
SE	0	1	1	2	4	0	8
SSE	0	0	1	1	2	1	5
S	0	0	2	5	2	0	9
SSW	0	1	0	8	0	0	9
SW	0	0	2	10	4	0	16
WSW	0	0	2	3	1	4	10
W	0	0	3	4	1	1	9
WNW	0	0	2	7	0	0	9
NW	0	1	1	4	0	0	6
NNW	0	0	5	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	0	10	47	63	17	6	143

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	3	16	5	0	0	24
NNE	0	8	7	2	0	0	17
NE	0	2	10	19	2	0	33
ENE	0	0	2	8	1	1	12
E	0	0	1	3	1	0	5
ESE	0	1	7	4	1	0	13
SE	0	1	2	4	3	0	10
SSE	0	0	4	3	0	0	7
S	0	0	5	5	4	1	15
SSW	0	1	9	9	1	0	20
SW	1	0	6	7	3	0	17
WSW	0	0	5	6	3	0	14
W	0	4	12	4	2	0	22
WNW	0	2	13	13	0	0	28
NW	0	0	8	9	3	0	20
NNW	0	1	10	4	0	0	15
Variable	0	0	0	0	0	0	0
Total	1	23	117	105	24	2	272

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	19	20	1	0	0	40
NNE	0	29	32	1	0	0	62
NE	0	15	35	17	1	0	68
ENE	0	21	24	27	2	0	74
E	0	14	23	8	4	0	49
ESE	0	13	24	7	0	0	44
SE	3	16	9	8	1	0	37
SSE	0	3	16	5	4	0	28
S	4	17	21	23	15	3	83
SSW	2	18	30	24	3	1	78
SW	2	7	20	25	5	0	59
WSW	2	11	32	11	3	3	62
W	2	11	40	21	20	2	96
WNW	1	10	27	13	5	0	56
NW	1	11	10	6	1	0	29
NNW	0	8	17	17	3	0	45
Variable	1	1	0	0	0	0	2
Total	18	224	380	214	67	9	912

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	19	10	0	0	0	30
NNE	1	14	9	0	0	0	24
NE	0	5	14	2	0	0	21
ENE	1	2	9	5	0	0	17
E	4	20	41	15	0	0	80
ESE	0	13	8	4	0	0	25
SE	0	6	5	7	0	0	18
SSE	0	2	5	15	3	0	25
S	1	10	16	18	6	1	52
SSW	2	11	21	9	3	2	48
SW	2	7	12	5	0	0	26
WSW	1	5	9	10	3	0	28
W	1	8	12	3	1	1	26
WNW	0	7	11	4	8	0	30
NW	0	2	21	2	0	0	25
NNW	1	8	6	0	0	0	15
Variable	0	1	0	0	0	0	1
Total	15	140	209	99	24	4	491

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	5	0	0	0	0	5
NNE	0	0	0	0	0	0	0
NE	2	0	0	0	0	0	2
ENE	1	1	0	0	0	0	2
E	1	10	11	0	0	0	22
ESE	1	22	3	0	0	0	26
SE	1	12	8	0	0	0	21
SSE	2	2	3	1	0	0	8
S	2	14	10	2	0	0	28
SSW	1	6	14	1	1	0	23
SW	1	4	14	5	0	0	24
WSW	1	9	2	0	0	0	12
W	0	10	2	0	0	0	12
WNW	0	5	7	0	0	0	12
NW	0	2	1	0	0	0	3
NNW	0	4	1	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	13	106	76	9	1	0	205

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	5	0	0	0	0	5
NNE	0	1	0	0	0	0	1
NE	1	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	1	4	0	0	0	0	5
ESE	0	8	0	0	0	0	8
SE	0	19	6	0	0	0	25
SSE	0	9	7	0	0	0	16
S	0	8	3	0	0	0	11
SSW	0	3	4	0	0	0	7
SW	0	1	0	0	0	0	1
WSW	0	1	0	0	0	0	1
W	0	7	1	0	0	0	8
WNW	0	8	0	0	0	0	8
NW	0	1	0	0	0	0	1
NNW	0	2	0	0	0	0	2
Variable	0	0	0	0	0	0	0
Total	2	77	21	0	0	0	100

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	1	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	2	1	0	3
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	1	0	1
SE	0	0	0	0	1	0	1
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	1	2	3
SW	0	0	0	0	1	1	2
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	3	5	3	11

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	1	3	1	0	5
NNE	0	1	3	3	1	0	8
NE	0	0	0	5	2	0	7
ENE	0	0	0	1	0	0	1
E	0	0	0	1	0	0	1
ESE	0	0	1	2	1	0	4
SE	0	0	1	5	5	0	11
SSE	0	0	0	0	1	1	2
S	0	0	0	2	3	1	6
SSW	0	0	1	2	11	4	18
SW	0	0	2	3	1	2	8
WSW	0	0	0	1	0	2	3
W	0	0	0	0	1	1	2
WNW	0	0	0	4	3	0	7
NW	0	0	0	0	4	0	4
NNW	0	0	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	1	10	32	34	11	88

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	6	23	22	10	1	62
NNE	0	8	34	27	8	3	80
NE	0	11	34	46	43	3	137
ENE	0	13	17	21	31	8	90
E	0	7	18	14	16	9	64
ESE	1	6	19	15	8	1	50
SE	0	8	9	17	15	0	49
SSE	0	3	14	18	6	3	44
S	2	6	20	16	22	34	100
SSW	1	4	15	18	31	29	98
SW	0	6	8	23	31	11	79
WSW	1	5	14	27	23	12	82
W	1	8	22	36	29	27	123
WNW	0	10	24	27	11	3	75
NW	0	7	12	26	21	7	73
NNW	0	0	13	30	8	0	51
Variable	1	1	0	0	0	0	2
Total	7	109	296	383	313	151	1259

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	3	0	6	6	8	0	23
NNE	1	2	9	16	4	0	32
NE	0	1	3	15	2	1	22
ENE	0	1	6	12	6	2	27
E	1	5	7	18	24	3	58
ESE	0	1	9	11	9	2	32
SE	0	4	2	9	9	6	30
SSE	0	7	2	6	4	10	29
S	0	1	4	13	18	33	69
SSW	0	3	11	17	21	28	80
SW	0	1	8	20	10	8	47
WSW	0	4	4	12	8	7	35
W	0	1	6	8	7	12	34
WNW	0	3	8	9	6	13	39
NW	0	2	2	19	13	5	41
NNW	0	1	3	3	3	0	10
Variable	0	1	0	0	0	0	1
Total	5	38	90	194	152	130	609

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	1	0	2	0	4
NNE	0	0	0	2	1	0	3
NE	0	1	1	2	2	0	6
ENE	0	1	4	1	0	0	6
E	0	2	1	3	6	1	13
ESE	0	0	3	10	4	3	20
SE	0	0	5	10	7	4	26
SSE	0	0	3	8	10	1	22
S	0	0	3	13	7	3	26
SSW	0	1	6	11	4	2	24
SW	0	0	3	7	4	0	14
WSW	0	1	1	2	0	0	4
W	0	0	1	0	0	0	1
WNW	0	0	6	9	0	0	15
NW	0	1	5	1	3	0	10
NNW	0	0	0	1	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	8	43	80	50	14	195

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: April - June 2013
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Speed (in mph)

Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	1	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	1	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	1	0	1
SSE	0	0	1	3	1	0	5
S	0	0	1	3	1	2	7
SSW	0	0	2	1	0	0	3
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	1	0	0	0	0	1
NW	0	1	0	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	3	5	7	3	2	20

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	1	1	0	0	2
SSW	0	0	6	3	0	0	9
SW	0	0	8	1	0	0	9
WSW	0	0	2	2	0	0	4
W	0	0	1	2	0	0	3
WNW	0	0	1	7	0	0	8
NW	0	0	1	2	0	0	3
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	1	20	18	0	0	39

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	2	0	0	0	3
NNE	0	0	2	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	1	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	2	0	0	0	0	2
S	0	0	2	0	0	0	2
SSW	0	4	7	1	0	0	12
SW	0	5	14	1	0	0	20
WSW	0	4	18	8	0	0	30
W	0	4	3	1	0	0	8
WNW	0	1	2	5	0	0	8
NW	0	4	2	1	0	0	7
NNW	0	2	3	2	0	0	7
Variable	0	0	0	0	0	0	0
Total	0	27	55	20	0	0	102

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	6	7	1	0	0	14
NNE	0	1	4	0	0	0	5
NE	0	1	8	0	0	0	9
ENE	0	0	8	0	0	0	8
E	0	4	11	0	0	0	15
ESE	0	2	9	0	0	0	11
SE	0	1	1	1	0	0	3
SSE	0	7	4	0	0	0	11
S	0	4	8	0	0	0	12
SSW	0	9	8	2	0	0	19
SW	0	16	8	3	0	0	27
WSW	0	8	11	4	0	0	23
W	0	13	15	0	0	0	28
WNW	0	8	11	3	0	0	22
NW	0	3	14	2	0	0	19
NNW	0	8	9	7	0	0	24
Variable	0	0	0	0	0	0	0
Total	0	91	136	23	0	0	250

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Speed (in mph)

Wind Direction	1-3	4-7	8-12	13-18	19-24	> 24	Total
N	3	20	20	2	0	0	45
NNE	0	41	20	4	0	0	65
NE	3	20	28	3	0	0	54
ENE	1	22	30	7	0	0	60
E	0	27	28	0	0	0	55
ESE	1	26	26	0	0	0	53
SE	0	18	11	2	0	0	31
SSE	6	16	7	3	0	0	32
S	3	14	11	0	0	0	28
SSW	1	25	12	2	0	0	40
SW	2	25	24	5	0	0	56
WSW	2	16	26	8	0	0	52
W	0	16	3	4	0	0	23
WNW	1	12	8	2	0	0	23
NW	0	7	11	1	0	0	19
NNW	1	14	26	7	0	0	48
Variable	1	0	0	0	0	0	1
Total	25	319	291	50	0	0	685

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	37	10	0	0	0	49
NNE	0	24	9	0	0	0	33
NE	2	6	11	1	0	0	20
ENE	1	11	26	4	0	0	42
E	1	31	27	0	0	0	59
ESE	3	10	3	0	0	0	16
SE	1	7	0	0	0	0	8
SSE	2	5	3	0	0	0	10
S	2	16	11	0	0	0	29
SSW	1	14	17	0	0	0	32
SW	4	21	33	1	0	0	59
WSW	0	14	36	4	0	0	54
W	2	18	7	1	0	0	28
WNW	2	15	15	0	0	0	32
NW	1	14	5	0	0	0	20
NNW	0	7	9	0	0	0	16
Variable	1	0	0	0	0	0	1
Total	25	250	222	11	0	0	508

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	2	9	0	0	0	0	11
NNE	1	0	0	0	0	0	1
NE	3	1	0	0	0	0	4
ENE	0	2	1	0	0	0	3
E	2	36	15	0	0	0	53
ESE	3	27	1	0	0	0	31
SE	4	16	1	0	0	0	21
SSE	3	16	0	0	0	0	19
S	1	20	1	0	0	0	22
SSW	5	25	9	0	0	0	39
SW	5	25	23	0	0	0	53
WSW	4	14	7	4	0	0	29
W	3	6	4	0	0	0	13
WNW	7	11	0	1	0	0	19
NW	3	3	0	0	0	0	6
NNW	2	10	0	0	0	0	12
Variable	0	0	0	0	0	0	0
Total	48	221	62	5	0	0	336

Hours of calm in this stability class: 1
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	2	14	2	0	0	0	18
ESE	1	27	0	0	0	0	28
SE	0	29	0	0	0	0	29
SSE	1	22	0	0	0	0	23
S	1	23	0	0	0	0	24
SSW	0	70	15	0	0	0	85
SW	0	34	1	0	0	0	35
WSW	3	12	0	0	0	0	15
W	0	17	1	0	0	0	18
WNW	1	4	0	0	0	0	5
NW	1	2	0	0	0	0	3
NNW	1	2	0	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	12	256	19	0	0	0	287

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	1	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	1	0	1
SSW	0	0	2	2	0	2	6
SW	0	0	1	2	1	0	4
WSW	0	0	0	2	0	0	2
W	0	0	0	0	0	0	0
WNW	0	0	0	2	2	0	4
NW	0	0	0	0	3	0	3
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	3	9	7	2	21

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	1	0	0	0	1
NNE	0	0	2	1	0	0	3
NE	0	0	1	1	0	0	2
ENE	0	0	1	1	0	0	2
E	0	0	1	0	0	0	1
ESE	0	0	1	0	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	0	0	1	0	0	1
S	0	0	1	2	0	0	3
SSW	0	1	14	1	1	1	18
SW	0	1	13	6	1	0	21
WSW	0	3	5	5	2	0	15
W	0	2	4	2	0	0	8
WNW	0	0	2	2	4	0	8
NW	0	0	1	4	1	0	6
NNW	0	0	1	3	1	0	5
Variable	0	0	0	0	0	0	0
Total	0	7	48	29	10	1	95

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	1	10	30	15	2	1	59
NNE	0	17	28	19	7	3	74
NE	1	12	25	30	4	2	74
ENE	0	18	13	35	6	0	72
E	1	10	39	10	0	0	60
ESE	0	14	35	11	0	0	60
SE	0	16	12	9	0	0	37
SSE	2	7	21	10	0	0	40
S	1	11	18	10	1	0	41
SSW	1	13	28	12	5	2	61
SW	1	15	25	38	10	1	90
WSW	1	19	27	29	12	1	89
W	0	11	22	14	2	1	50
WNW	0	13	10	10	6	0	39
NW	0	8	20	16	4	0	48
NNW	2	12	12	26	11	0	63
Variable	0	1	0	0	0	0	1
Total	11	207	365	294	70	11	958

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	3	20	6	0	30
NNE	1	4	7	19	8	1	40
NE	1	4	15	22	10	2	54
ENE	1	6	19	24	3	0	53
E	0	4	12	29	15	0	60
ESE	0	2	11	17	3	0	33
SE	1	8	13	8	1	0	31
SSE	5	1	10	4	0	0	20
S	3	0	11	10	5	0	29
SSW	1	3	8	15	20	1	48
SW	1	3	13	38	35	5	95
WSW	0	2	13	22	22	4	63
W	3	2	7	14	8	5	39
WNW	1	6	10	14	4	0	35
NW	0	3	9	9	10	0	31
NNW	2	1	5	10	4	0	22
Variable	0	0	0	0	0	0	0
Total	20	50	166	275	154	18	683

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	3	1	0	0	4
NNE	0	0	4	2	0	0	6
NE	0	3	4	1	0	0	8
ENE	0	4	4	0	1	0	9
E	0	0	3	8	7	0	18
ESE	0	1	8	13	9	1	32
SE	2	1	11	12	8	3	37
SSE	1	2	8	12	1	0	24
S	0	5	7	14	8	0	34
SSW	1	5	12	27	16	3	64
SW	0	1	14	34	17	4	70
WSW	5	2	5	8	3	5	28
W	2	2	2	4	0	0	10
WNW	1	1	4	9	0	1	16
NW	1	1	1	2	0	0	5
NNW	1	1	7	2	0	0	11
Variable	0	0	0	0	0	0	0
Total	14	29	97	149	70	17	376

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: July - September 2013
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	2	0	2
SE	0	0	1	9	3	0	13
SSE	0	0	5	4	4	0	13
S	0	0	0	0	10	0	10
SSW	0	0	3	4	3	0	10
SW	0	1	0	12	5	0	18
WSW	0	0	1	0	0	0	1
W	0	0	0	4	0	0	4
WNW	0	0	0	2	0	0	2
NW	0	0	1	1	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	1	11	36	27	0	75

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 0

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Extremely Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	0	0	0	0	1
NNE	0	0	2	1	0	0	3
NE	0	0	2	1	0	0	3
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	1	1
S	0	1	2	0	0	0	3
SSW	0	0	2	0	0	0	2
SW	0	0	0	1	0	0	1
WSW	0	0	0	0	0	0	0
W	0	0	0	8	1	0	9
WNW	0	1	0	4	1	0	6
NW	0	0	0	0	0	0	0
NNW	0	1	4	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	0	4	12	15	2	1	34

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Moderately Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	3	3	3	0	0	9
NNE	0	2	7	0	0	0	9
NE	0	0	1	1	0	0	2
ENE	0	0	1	2	0	0	3
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	2	0	0	0	2
SSE	0	0	2	2	0	0	4
S	0	0	4	1	3	2	10
SSW	0	1	5	2	0	0	8
SW	0	0	3	1	0	0	4
WSW	0	0	0	1	0	0	1
W	0	0	2	7	2	0	11
WNW	0	0	4	4	0	0	8
NW	0	0	2	2	0	0	4
NNW	0	2	11	6	1	0	20
Variable	0	0	0	0	0	0	0
Total	0	8	47	32	6	2	95

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Slightly Unstable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	5	3	0	0	9
NNE	0	2	4	0	0	0	6
NE	0	0	5	0	0	0	5
ENE	0	0	4	1	0	0	5
E	0	1	3	0	0	0	4
ESE	0	1	0	0	0	0	1
SE	0	0	1	1	0	0	2
SSE	0	0	1	9	0	0	10
S	0	1	9	0	1	0	11
SSW	0	7	2	9	2	0	20
SW	0	0	10	2	0	0	12
WSW	0	0	5	9	0	0	14
W	0	0	4	14	2	0	20
WNW	0	1	10	14	1	0	26
NW	0	1	7	0	0	0	8
NNW	0	2	1	2	1	0	6
Variable	0	0	0	0	0	0	0
Total	0	17	71	64	7	0	159

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Neutral - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	7	3	4	0	0	14
NNE	0	6	3	0	0	0	9
NE	0	5	15	2	0	0	22
ENE	0	3	19	5	1	0	28
E	1	8	27	10	0	0	46
ESE	2	11	27	2	0	0	42
SE	1	10	20	7	0	0	38
SSE	1	7	14	14	3	0	39
S	0	12	19	16	5	1	53
SSW	1	17	19	21	8	1	67
SW	1	10	21	33	7	0	72
WSW	0	19	37	30	7	1	94
W	2	23	57	52	11	1	146
WNW	1	14	39	37	8	0	99
NW	1	5	27	24	0	0	57
NNW	0	11	55	51	7	0	124
Variable	0	0	0	0	0	0	0
Total	11	168	402	308	57	4	950

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Slightly Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	8	0	0	0	0	8
NNE	0	5	0	0	0	0	5
NE	0	2	0	1	0	0	3
ENE	0	6	2	1	0	0	9
E	0	15	9	0	0	0	24
ESE	0	10	10	0	0	0	20
SE	0	11	7	6	0	0	24
SSE	0	7	7	6	2	0	22
S	2	12	20	8	1	0	43
SSW	0	8	33	18	4	0	63
SW	0	5	29	29	11	0	74
WSW	0	10	27	6	2	0	45
W	1	8	34	18	13	3	77
WNW	1	13	32	15	15	3	79
NW	3	8	9	0	0	0	20
NNW	0	8	10	2	0	0	20
Variable	0	0	0	0	0	0	0
Total	7	136	229	110	48	6	536

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 4
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Moderately Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	4	0	0	0	0	4
NNE	1	1	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	1	0	0	0	0	0	1
E	0	8	3	0	0	0	11
ESE	3	4	10	0	0	0	17
SE	0	6	9	0	0	0	15
SSE	0	4	10	0	0	0	14
S	1	2	8	2	0	0	13
SSW	1	7	17	14	0	0	39
SW	1	14	11	21	3	0	50
WSW	0	5	29	3	0	0	37
W	1	12	22	0	0	0	35
WNW	0	5	7	0	1	0	13
NW	0	3	1	0	0	0	4
NNW	0	3	0	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	9	78	127	40	4	0	258

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 7
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Extremely Stable - 200Ft-33Ft Delta-T (F)
Winds Measured at 33 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	2	0	0	0	0	2
NNE	0	1	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	1	4	0	0	0	0	5
ESE	0	13	4	0	0	0	17
SE	3	13	7	0	0	0	23
SSE	0	11	4	0	0	0	15
S	2	2	2	0	0	0	6
SSW	1	16	10	1	0	0	28
SW	0	9	8	0	0	0	17
WSW	0	14	14	0	0	0	28
W	0	12	3	0	0	0	15
WNW	0	4	2	0	0	0	6
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	7	101	54	1	0	0	163

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Extremely Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Moderately Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	1	0	1	2
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	1	0	1	2

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Slightly Unstable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	0	2	0	0	2
NNE	0	0	0	2	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	1	0	1
SW	0	0	0	2	2	0	4
WSW	0	0	0	0	0	0	0
W	0	0	0	2	4	0	6
WNW	0	0	0	1	0	5	6
NW	0	0	0	0	0	2	2
NNW	0	0	1	1	0	0	2
Variable	0	0	0	0	0	0	0
Total	0	0	1	10	7	7	25

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Neutral - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	6	6	5	3	0	20
NNE	0	5	10	9	3	0	27
NE	0	1	6	21	10	0	38
ENE	0	0	13	16	9	0	38
E	0	1	9	16	9	0	35
ESE	0	1	17	12	7	0	37
SE	0	5	14	10	5	1	35
SSE	1	5	10	17	19	4	56
S	0	1	18	20	16	23	78
SSW	1	6	18	23	21	24	93
SW	0	2	16	32	29	5	84
WSW	1	9	12	47	24	9	102
W	1	11	21	60	47	28	168
WNW	0	7	17	59	32	23	138
NW	0	5	26	60	35	6	132
NNW	1	3	16	32	31	7	90
Variable	0	0	0	0	0	0	0
Total	5	68	229	439	300	130	1171

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 37
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Slightly Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	1	7	4	0	0	12
NNE	0	0	11	0	0	0	11
NE	0	0	4	1	0	0	5
ENE	0	3	4	2	0	1	10
E	0	2	5	10	3	1	21
ESE	0	2	3	9	2	0	16
SE	0	2	3	12	3	8	28
SSE	0	0	7	19	7	10	43
S	0	1	5	13	15	17	51
SSW	0	0	4	25	36	24	89
SW	0	4	9	22	23	49	107
WSW	0	3	7	27	15	9	61
W	0	0	7	21	14	14	56
WNW	0	2	5	22	27	28	84
NW	0	0	12	21	16	3	52
NNW	0	0	1	12	1	0	14
Variable	0	0	0	0	0	0	0
Total	0	20	94	220	162	164	660

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 29
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December2013
Stability Class - Moderately Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	3	1	1	0	5
NNE	0	0	1	3	0	0	4
NE	0	1	2	2	0	0	5
ENE	0	0	4	1	0	0	5
E	0	0	1	1	0	0	2
ESE	0	0	0	3	1	0	4
SE	0	0	2	4	14	3	23
SSE	0	0	1	0	7	4	12
S	0	1	1	2	8	7	19
SSW	0	0	2	3	7	10	22
SW	0	3	6	11	6	6	32
WSW	0	0	6	6	6	1	19
W	1	0	3	7	4	1	16
WNW	0	1	4	13	7	2	27
NW	0	1	4	5	0	0	10
NNW	0	0	1	4	1	0	6
Variable	0	0	0	0	0	0	0
Total	1	7	41	66	62	34	211

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 4
Hours of missing stability measurements in all stability classes: 2

LaSalle County Generating Station

Period of Record: October - December 2013
Stability Class - Extremely Stable - 375Ft-33Ft Delta-T (F)
Winds Measured at 375 Feet

Wind Direction	Wind Speed (in mph) 1-3	4-7	8-12	13-18	19-24	> 24	Total
N	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	1	3	1	2	7
SSE	0	0	2	2	1	0	5
S	0	0	5	1	9	2	17
SSW	0	0	2	0	0	0	2
SW	0	0	2	1	0	0	3
WSW	0	0	4	11	2	0	17
W	0	0	3	2	2	1	8
WNW	0	0	2	3	0	0	5
NW	0	0	1	1	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	23	24	15	5	67

Hours of calm in this stability class: 0
Hours of missing wind measurements in this stability class: 0
Hours of missing stability measurements in all stability classes: 2