

**GENERATOR DEACTIVATIONS<sup>1</sup>**  
(as of June 4, 2013)

Unit	Capacity	Trans Zone	Age (Years)	Official Owner Request	Requested Deactivation Date	Actual Deactivation Date	PJM Reliability Status
Warren 1	41	PN	54		9/27/2002	9/28/2002	No Reliability Issues
Warren 2	41	PN	53		9/27/2002	9/28/2002	No Reliability Issues
Hudson 3 CT	129	PS	36	10/16/2003	10/16/2003	10/17/2003	No Reliability Issues
Seward 4	60	PN	53	11/19/2003	11/19/2003	11/20/2003	No Reliability Issues
Seward 5	136	PN	47	11/19/2003	11/19/2003	11/20/2003	No Reliability Issues
Sayreville 4	114	JC	49	11/1/2003	2/14/2004	2/19/2004	Reliability Issues Identified and Resolved
Sayreville 5	115	JC	45	11/1/2003	2/14/2004	2/19/2004	Reliability Issues Identified and Resolved
Delaware 7	126	PE	50	12/12/2003	3/1/2004	3/5/2004	No Reliability Issues
Delaware 8	124	PE	51	12/12/2003	3/1/2004	3/5/2004	No Reliability Issues
Burlington 101-104	208	PS	10	1/8/2004	4/4/2004	4/4/2004	No Reliability Issues
Burlington 105	52	PS	31	1/8/2004	4/4/2004	4/4/2004	No Reliability Issues
Wayne CT	56	PN	31	2/12/2004	As soon as possible	5/5/2004	No Reliability Issues
Sherman VCLP	46.6	AE	9	2/2/2004	3/15/2004	6/25/2004	No Reliability Issues
Calumet 31	56	CE	36	10/12/2004	Currently Mothballed - ASAP	7/1/2004	No Reliability Issues
Calumet 33	42	CE	36	10/12/2004	Currently Mothballed - ASAP	7/1/2004	No Reliability Issues
Calumet 34	51	CE	35	10/12/2004	Currently Mothballed - ASAP	7/1/2004	No Reliability Issues
Joliet 31	59	CE	36	10/12/2004	Currently Mothballed - ASAP	7/1/2004	No Reliability Issues
Joliet 32	57	CE	36	10/12/2004	Currently Mothballed - ASAP	7/1/2004	No Reliability Issues
Bloom 33	24	CE	33	10/12/2004	Currently Mothballed - ASAP	n/a - never a PJM capacity resource	No Reliability Issues
Bloom 34	26	CE	33	10/12/2004	Currently Mothballed - ASAP	n/a - never a PJM capacity resource	No Reliability Issues
Collins 1	554	CE	26	6/2/2004	12/31/2004	1/1/2005	No Reliability Issues
Collins 2	554	CE	27	6/2/2004	3rd/4th Quarter 2004	1/1/2005	No Reliability Issues
Collins 3	530	CE	27	6/2/2004	12/31/2004	1/1/2005	No Reliability Issues
Collins 4	530	CE	26	6/2/2004	Currently Mothballed - ASAP	1/1/2005	No Reliability Issues
Collins 5	530	CE	25	6/2/2004	Currently Mothballed - ASAP	1/1/2005	No Reliability Issues

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Riegel Paper NUG (Milford Power LP)	27	JC	33	6/11/2004	Planned to retire 6/30/04, request delayed until 12/31/04	1/1/2005	No Reliability Issues
STI 3 & 4 (Cat Tractor)	20	ME	15	9/29/2004	1/1/2005	1/1/2005	No Reliability Issues
Electric Junction 31	59	CE	34	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues after 1/1/05
Electric Junction 32	59	CE	34	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues after 1/1/05
Electric Junction 33	59	CE	34	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues after 1/1/05
Lombard 32	31	CE	35	10/12/2004	Currently Mothballed - ASAP	1/1/2005	No Reliability Issues
Lombard 33	32	CE	35	10/12/2004	Currently Mothballed - ASAP	1/1/2005	No Reliability Issues
Sabrooke 31	25	CE	35	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues
Sabrooke 32	25	CE	35	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues
Sabrooke 33	24	CE	34	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues after 1/1/05
Sabrooke 34	13	CE	34	10/12/2004	12/31/04 - when contract is complete	1/1/2005	No Reliability Issues after 1/1/05
Madison St. CT	10	DPL	41	10/13/2004	12/31/2004	1/7/2005	No Reliability Issues
Crawford 31	59	CE	36	10/12/2004	ASAP	3/1/2005	Reliability issue identified and resolved
Crawford 32	58	CE	36	10/12/2004	ASAP	3/1/2005	Reliability issue identified and resolved
Crawford 33	59	CE	36	10/12/2004	ASAP	3/1/2005	Reliability issue identified and resolved
Deepwater CT A	19	AE	37	10/13/2004	4/1/2005	5/1/2005	Reliability Issue resolved (Blackstart)
Kearny 7	150	PS	51	9/8/2004	12/7/2004	6/1/2005	Reliability issue identified and resolved
Kearny 8	150	PS	50	9/8/2004	12/7/2004	6/1/2005	Reliability issue identified and resolved
Howard M. Down (Vineland) Unit 7	8	AE	53	2/24/2005	5/31/2005	6/17/2005	No Reliability Issues
DSM (Hoffman LaRoche)	9	JC	7	9/1/2005	10/1/2005	10/6/2005	No Reliability Issues
Newark Boxboard	52	PS	15	7/6/2005	10/5/2005	10/11/2005	Reliability issue identified and expected to be resolved by 6/2007
Conesville 1	115	AEP	46	9/20/2005	12/31/2005	1/1/2006	Reliability issue (black start) identified and resolved

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Conesville 2	115	AEP	48	9/20/2005	12/31/2005	1/1/2006	Reliability issue (black start) identified and resolved
Gude Landfill 1&2	2.2	PEP	20	8/12/2004	3/25/2006	3/25/2006	No Reliability Issues
Bayonne CT1	21	PS	35	3/30/2006	As soon as possible	5/20/2006	No Reliability Issues
Bayonne CT2	21	PS	35	3/30/2006	As soon as possible	5/20/2006	No Reliability Issues
Delaware Diesel	2.7	PE	39	8/30/2006	As soon as possible	10/24/2006	No Reliability Issues
Buzzard Point East Bank 3	16	PEP	39	2/28/2007	5/31/2007	5/31/2007	Reliability Issues Identified
Martins Creek 1	140	PPL	53	3/19/2004	9/15/2007	9/15/2007	No Reliability Issues
Martins Creek 2	140	PPL	51	3/19/2004	9/15/2007	9/15/2007	No Reliability Issues
Martins Creek D1-D2	5	PPL	40	9/1/2005	9/15/2007	9/15/2007	Reliability issue (black start) identified and resolved
Waukegan 6	100	CE	55	1/3/2007	9/1/2007	12/31/2007	No Reliability Issues
Howard M. Down (Vineland) Unit 8	11	AE	53	5/6/2009	5/7/2009	6/5/2009	No Reliability Issues
Indian River 2	89	DPL	48	9/28/2007	5/1/2010	5/1/2010	Reliability issue identified and resolved
Howard M. Down (Vineland) Unit 9	17	ACE	49	5/28/2010	8/28/2010	8/28/2010	Reliability analysis complete - impacts identified - generator has elected to deactivate as requested
INGENCO Richmond Plant	3	DOM	18	2/9/2010	8/31/2010	8/31/2010	Reliability analysis complete - no impacts identified
North Branch	74	DOM	18	5/11/2010	7/5/2010	8/1/2010	Reliability analysis complete - no impacts identified
Hall Branch (aka Altavista)	63	DOM	19	6/8/2010	9/6/2010	10/13/2010	Reliability analysis complete - impacts identified - generator has elected to deactivate as requested
Gorsuch	189	AEP	59	5/28/2010	12/15/2010	11/11/2010	Reliability analysis complete - impacts identified - generator has elected to deactivate as requested
Baleville Landfill	3.8	PSEG	9	11/24/2010	2/22/2011	12/22/2010	Reliability analysis complete - no impacts identified
Kingsland Landfill	2.8	PSEG	11	11/24/2010	2/22/2011	12/22/2010	Reliability analysis complete - no impacts identified
Will County 1	151	CE	55	6/4/2007	9/1/2010	12/30/2010	Potential reliability issues identified - can be resolved by summer 2011
Will County 2	148	CE	55	6/4/2007	9/1/2010	12/30/2010	Potential reliability issues identified - can be resolved by summer 2011
Kitty Hawk GT1	18	DOM	39	1/19/2011	4/19/2011	3/15/2011	Reliability analysis complete - no impacts identified
Kitty Hawk GT2	16	DOM	39	1/19/2011	4/19/2011	3/15/2011	Reliability analysis complete - no impacts identified
Chesapeake 8	17.5	DOM	41	1/19/2011	4/19/2011	3/15/2011	Reliability analysis complete - no impacts identified
Chesapeake 9	16.9	DOM	41	1/19/2011	4/19/2011	3/15/2011	Reliability analysis complete - no impacts identified
Chesapeake 10	16.9	DOM	41	1/19/2011	4/19/2011	3/15/2011	Reliability analysis complete - no impacts identified
Chesapeake 7	16	DOM	40	7/28/2010	7/28/2012	4/8/2011	Reliability analysis complete - no impacts identified
Indian River 1	90	DPL	50	9/28/2007	5/1/2011	5/1/2011	Reliability issues identified and expected to be resolved by 5/1/2011
Brunot Island 1B	15	DUQ	39	4/20/2011	7/19/2011	6/1/2011	Reliability analysis complete - no impacts identified. Interconnection request submitted to re-start unit in 4th quarter 2015.

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Brunot Island 1C	15	DUQ	39	4/20/2011	7/19/2011	6/1/2011	Reliability analysis complete - no impacts identified. Interconnection request submitted to re-start unit in 4th quarter 2015.
Cromby 1	144	PE	55	12/2/2009	5/31/2011	5/31/2011	<a href="#">Reliability analysis complete - Reliability Impacts identified - Results posted - Necessary upgrades completed</a>
Eddystone 1	279	PE	49	12/2/2009	5/31/2011	5/31/2011	<a href="#">Reliability analysis complete - Reliability Impacts identified - Results posted - Necessary upgrades completed</a>
Cromby Diesel	2.7	PE	43	5/27/2010	5/31/2011	5/31/2011	Reliability analysis complete - no impacts identified
Burger 3	94	ATSI	61	6/3/2011	9/1/2011	9/1/2011	Reliability Analysis complete. Impacts identified. TO plans to complete all required upgrades by June 1, 2013. Gen owner elected to deactivate unit as requested on 9/1/2011.
Cromby 2	201	PE	54	12/2/2009	5/31/2011	12/31/2011	<a href="#">Reliability analysis complete - Reliability Impacts identified - Results posted - Necessary upgrades completed</a>
Hudson 1	383	PS	39	9/8/2004	12/7/2004	12/8/2011	PJM has determined that Hudson 1 is no longer needed for reliability purposes effective December 7, 2011.
Sporn 5	440	AEP	49	10/1/2010	12/31/2010	2/13/2012	Reliability analysis complete - no impacts identified. AEP received approval from Ohio PUC to deactivate unit. AEP informed PJM on 2/13/2012. Unit deactivated.
Hunlock 3	45	UGI	48	1/16/2008	6/1/2010	6/1/2010	Capacity rights from Hunlock 3 re-used as part of interconnection project T117. T117 is in-service.
State Line 3	197	ComEd	55	8/25/2011	4/1/2012	3/25/2012	Reliability Analysis complete for April 1, 2012 deactivation date - no impacts identified. <a href="#">Potential re-use of CIRs in interconnection project Y3-063.</a>
State Line 4	318	ComEd	49	8/25/2011	4/1/2012	3/25/2012	Reliability Analysis complete for April 1, 2012 deactivation date - no impacts identified. <a href="#">Potential re-use of CIRs in interconnection project Y3-063.</a>
Viking Energy NUG	16	PPL	21	7/2/2011	3/1/2012	3/31/2012	Reliability Analysis complete - no impacts identified
Walter C Beckjord 1	94	DEOK	59	2/1/2012	5/1/2012	5/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 1, 2012
Buzzard Point East Banks 1, 2, 4-8	112	PEP	39	2/28/2007	5/31/2012	5/31/2012	Reliability issues identified and expected to be resolved by 5/31/2012.
Buzzard Point West Banks 1-8	128	PEP	39	2/28/2007	5/31/2012	5/31/2012	Reliability issues identified and expected to be resolved by 5/31/2012.
Eddystone 2	309	PE	49	12/2/2009	5/31/2011	5/31/2012	<a href="#">Reliability analysis complete - Reliability Impacts identified - Results posted</a>
Niles 2	108	ATSI	58	2/29/2012	6/1/2012	6/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Unit deactivated on June 1, 2012.
Elrama 1	93	DUQ	59	2/29/2012	6/1/2012	6/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Unit deactivated on June 1, 2012. <a href="#">Potential re-use of CIRs in interconnection project Y3-042.</a>
Elrama 2	93	DUQ	59	2/29/2012	6/1/2012	6/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Unit deactivated on June 1, 2012. <a href="#">Potential re-use of CIRs in interconnection project Y3-042.</a>
Elrama 3	103	DUQ	57	2/29/2012	6/1/2012	6/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Unit deactivated on June 1, 2012. <a href="#">Potential re-use of CIRs in interconnection project Y3-042.</a>
Kearny 10	122	PSEG	39	4/22/2009	6/1/2012	6/1/2012	Kearny 10 deactivated and capacity rights re-used on new interconnection project
Kearny 11	128	PSEG	40	4/22/2009	6/1/2012	6/1/2012	Kearny 11 deactivated and capacity rights re-used on new interconnection project

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Benning 15	275	PEP	39	2/28/2007	5/31/2012	7/17/2012	Benning 15 deactivated - required system upgrades completed.
Benning 16	275	PEP	35	2/28/2007	5/31/2012	7/17/2012	Benning 16 deactivated - required system upgrades completed.
Crawford 8	319	ComEd	50	3/8/2012	12/31/2014 (no later than)	8/24/2012	Reliability Analysis Complete. No impacts identified.
Fisk Street 19	326	ComEd	52	3/8/2012	12/31/2012 (no later than)	8/30/2012	Reliability Analysis Complete. No impacts identified.
Crawford 7	213	ComEd	53	3/8/2012	12/31/2014 (no later than)	8/28/2012	Reliability Analysis Complete. No impacts identified.
Vineland 10	23	AE	41	6/13/2011	9/1/2012	9/1/2012	Reliability Analysis complete - no impacts for deactivation Sept. 2012. Previously identified baseline upgrade completed as scheduled (summer 2012).
Armstrong 1	172	AP	53	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Armstrong 2	171	AP	52	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Bay Shore 2	138	ATSI	53	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Bay Shore 3	142	ATSI	48	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Bay Shore 4	215	ATSI	43	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>

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Eastlake 4	240	ATSI	55	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Eastlake 5	597	ATSI	39	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
R Paul Smith 3	28	AP	64	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
R Paul Smith 4	87	AP	43	1/26/2012	9/1/2012	9/1/2012	<a href="#">Reliability analysis complete. Impacts identified and expected to be resolved by June 2016. Further refinement of the reliability analysis, required upgrades, and generator deactivation schedule continues. Unit will deactivate as scheduled. See posting - FE Generator Deactivation Study Results and Required Upgrades.</a>
Albright 1	73	APS	59	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.
Albright 2	73	APS	59	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.
Albright 3	137	APS	57	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.
Rivesville 5	35	APS	68	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.

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Rivesville 6	86	APS	60	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.	
Willow Island 1	51	APS	63	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.	
Willow Island 2	138	APS	51	2/8/2012	9/1/2012	9/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by May 2013. Thus generator can be allowed to deactivate as scheduled on 9/1/2012 assuming all upgrades are still on track to be completed as scheduled.	
Niles 1	109	ATSI	58	2/29/2012	6/1/2012	10/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Evaluating options. Unit to be kept in service until October 1, 2012, pending analysis of outages required to implement required system upgrades. Unit deactivated on Oct. 1, 2012.	
Elrama 4	171	DUQ	51	2/29/2012	6/1/2012	10/1/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Evaluating options. Unit to be kept in service until October 1, 2012, pending analysis of outages required to implement required system upgrades. Unit deactivated on Oct. 1, 2012. <a href="#">Potential re-use of CIRs in interconnection project Y3-042.</a>	
Potomac River 1-5	482	PEP	62	8/30/2011	10/1/2012	10/1/2012	Reliability Analysis complete - no impacts identified. Units deactivated on Oct. 1, 2012.	
SMART Paper	25	DEOK	50	5/14/2012	8/10/2012	10/8/2012	Reliability Analysis Complete. No impacts identified. Unit deactivated.	
Conesville 3	165	AEP	49	3/22/2012	12/31/2012	12/31/2012	Reliability Analysis complete - impacts identified - upgrades scheduled to be completed by June 2014. Generator has deactivated as planned on December 31, 2012.	
Schuylkill 1	166	PECO	54	10/31/2012	2/1/2013	1/1/2013	Reliability analysis complete - no impacts identified. Unit deactivated on 1/1/13.	
Schuylkill Diesel	3	PECO	45	10/31/2012	2/1/2013	1/1/2013	Reliability analysis complete - no impacts identified. Unit deactivated on 1/1/13.	
Hutchings 4	62	Dayton	61	6/28/2012	6/1/2013	6/1/2013	Reliability Analysis Complete. No impacts identified. Unit deactivated on 6/1/2013.	
<b>Total Deactivated:</b>		<b>15267.1</b>						

NOTE (1): This list includes retirements addressed as part of the PJM retirement process started in 2003. The list does not include generators