

Reporting Entity	Category	Description	Threshold (if applicable)	ERO / DOE / RRO Reporting Process		NERC Event Analysis Process			
				ERO / DOE / RRO Event Report	ERO / DOE / RRO Report Times (Prelim / Final)	NERC Event Category	EA Brief Report	Draft Lessons Learned	Event Analysis Report
RC, BA, TOP, GOP, LSE	Loss of BES Elements	Unexpected outage contrary to design of three or more BES Facilities caused by a common disturbance	The sustained outage of a combination of three or more BES Facilities	EOP-004-2	24 hours of recognition of the event	1.a(i)	Within 10 business days	Within 30 business days, if applicable	Not required
		Complete loss of off-site power (LOOP) to a nuclear generating station	Per the Nuclear Plant Interface Requirement	EOP-004-2	24 hours of recognition of the event	2.d	Within 10 business days	Within 30 business days	Within 30 business days, if requested
		Complete operational failure or shut-down of the transmission and/or distribution electrical system		OE-417	1 hour / 72 hour				
RC, BA, TOP, GOP, LSE	Loss of Generation	Loss of generation	Loss of entire generation station of three or more generators of 500 MW to 1,999 MW (combined cycle units are represented as 1 unit)			1.a(ii)	Within 10 business days	Within 30 business days, if applicable	Not required
		Loss of generation	Loss of generation of 1,000 to 1,399 MW in ERCOT			1.g	Within 10 business days	Within 30 business days, if applicable	Not required
		Loss of generation	2,000 MW or more in the Eastern Interconnection or Western Interconnection, or 1,400 MW or more in the ERCOT Interconnections.			3.a	Within 10 business days	Within 60 business days	Within 60 business days
		Loss of generation	5,001 MW to 9,999 MW			4.a	Within 10 business days	Within 180 business days	Within 180 business days
		Loss of generation	10,000 MW or more			5.b	Within 10 business days	Within 180 business days	Within 180 business days
		Loss of generation within one minute	2,000 MW or more in the Eastern Interconnection or Western Interconnection, or 1,000 MW or more in the ERCOT or Québec Interconnections.	EOP-004-2	24 hours of recognition of the event				
RC, BA, TOP, GOP, LSE	Loss of Load/Load Shedding	Unintended/Uncontrolled loss of firm load	300MW or more of firm load for more than 15 minutes (Entities with peak demand ≥3,000: loss ≥300 MW All others ≥200MW or 50% of total demand)	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	2.f	Within 10 business days	Within 30 business days	Within 30 business days, if requested
		Loss of load	5,001 MW to 9,999 MW	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	4.a	Within 10 business days	Within 180 business days	Within 180 business days
		Loss of load	10,000 MW or more	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	5.a	Within 10 business days	Within 180 business days	Within 180 business days
		Loss of load	2,000 MW or more in the Eastern Interconnection or Western Interconnection, or 1,400 MW or more in the ERCOT Interconnections.			3.a	Within 10 business days	Within 60 business days	Within 60 business days
		Loss of customer electric service	More than 50,000 customers for 1 hour or more	OE-417	6 hour / 72 hour				

		Firm load shedding	Automatic or manual load shedding ≥ 100 MW to maintain continuity of bulk system or implemented under emergency operational policy (included undervoltage, underfrequency, or SPS/RAS)	EOP-004-2 OE-417	24 hours 1 hour / 72 hour				
RC, BA, TOP, GOP, LSE	System Islanding or Separation	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system		OE-417	1 hour / 72 hour				
		Unintended BPS system separation or island	100 MW to 999 MW	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	1.e	Within 10 business days	Within 30 business days, if applicable	Not required
		Unintended system separation or island	1,001 MW to 4,999 MW	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	2.e	Within 10 business days	Within 30 business days	Within 30 business days, if requested
		Unintended system separation or island	5,000 MW to 10,000 MW	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	3.b	Within 10 business days	Within 60 business days	Within 60 business days
		Unintended system separation or island	more than 10,000 MW	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	4.b	Within 10 business days	Within 180 business days	Within 180 business days
RC, BA, TOP, GOP, LSE	System Voltage	System-wide voltage reduction	3% or more for more than 15 continuous minutes due to a BPS emergency	EOP-004-2 OE-417	24 hours 1 hour / 72 hour	1.d	Within 10 business days	Within 30 business days, if applicable	Not required
		Voltage excursions	Equal to or greater than ± 10 percent lasting more than 15 continuous minutes	EOP-004-2	24 hours of recognition of the event	2.c	Within 10 business days	Within 30 business days	Within 30 business days, if requested
RC, BA, TOP, GOP, LSE	Interconnection Reliability Operating Limits	Violation of an Interconnection Reliability Operating Limit (IROL)	Operate outside IROL for time greater than IROL Tv	EOP-004-2	24 hours of recognition of the event	2.g	Within 10 business days	Within 30 business days	Within 30 business days, if requested
RC, BA, TOP, GOP, LSE	Special Protection Systems Remedial Action Systems	Failure or misoperation of a BES SPS/RAS				1.c	Within 10 business days	Within 30 business days, if applicable	Not required
RC, BA, TOP, GOP, LSE	Control Center/SCADA/EMS	Unplanned evacuation from BES control center facility	30 minutes or more	EOP-004-2	24 hours of recognition of the event				
		Loss of operator ability to remotely monitor, control Bulk Electric System (BES) elements, or both	30 minutes or more			1.h(i)	Within 10 business days	Within 30 business days, if applicable	Not required
		Loss of communications from SCADA RTUs	30 minutes or more			1.h(ii)	Within 10 business days	Within 30 business days, if applicable	Not required
		Unavailability of ICCP links reducing BES visibility	30 minutes or more			1.h(iii)	Within 10 business days	Within 30 business days, if applicable	Not required
		Loss of the ability to remotely monitor and control generating units via AGC	30 minutes or more			1.h(iv)	Within 10 business days	Within 30 business days, if applicable	Not required
		Unacceptable State Estimator or Contingency Analysis solutions	30 minutes or more			1.h(v)	Within 10 business days	Within 30 business days, if applicable	Not required
		Complete loss of voice communication capability affecting a BES control center	30 minutes or more	EOP-004-2	24 hours of recognition of the event	2.a	Within 10 business days	Within 30 business days	Within 30 business days, if requested
		Complete loss of monitoring capability affecting a BES control center, such that analysis capability (State Estimator or Contingency Analysis) is rendered inoperable	30 minutes or more	EOP-004-2	24 hours of recognition of the event				

		Physical threats to a BES control center	Physical threat to its BES control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. OR Suspicious device or activity at a BES control center.	EOP-004-2	24 hours of recognition of the event				
RC, BA, TOP, GOP, LSE	Cyber & Critical Infrastructure	Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations		OE-417	1 hour / 72 hour				
		Cyber event that causes interruptions of electrical system operations		OE-417	1 hour / 72 hour				
		Physical attacks that could potentially impact electric power system adequacy or reliability; or vandalism which target components of any security systems		OE-417	6 hour / 72 hour				
		Cyber event that could impact electric power system adequacy or vulnerability		OE-417	6 hour / 72 hour				
		Damage or destruction of a Facility	Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in actions to avoid a BES Emergency.	EOP-004-2	24 hours of recognition of the event				
		Damage or destruction of a Facility	Damage or destruction of its Facility that results from actual or suspected intentional human action.	EOP-004-2	24 hours of recognition of the event				
		Physical threats to a Facility	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. OR Suspicious device or activity at a Facility (Do not report theft unless it degrades normal operation of a Facility)	EOP-004-2	24 hours of recognition of the event				
RC, BA, TOP, GOP, LSE	Fuel Supply	Fuel supply emergencies that could impact electric power system adequacy or reliability		OE-417	6 hour / 72 hour				
RC, BA, TOP, GOP, LSE	Other	BES Emergency requiring public appeal for load reduction		EOP-004-2	24 hours of recognition of the event				
		Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system		OE-417	1 hour / 72 hour				

Color Coding Explanation

Event category under Event Analysis Process only

Event category reportable under EOP-004-2 or OE-417 only

Event category reportable under both EOP-004-2 and Event Analysis