## COVER PAGE

Count	Violation ID	Category 1	Category 2	Category 3	Category 4 Category	5 Category 6	Category 7	Category 8	Category 9	Category 10	Category 11	Category 12	CEII PROTECTION (YEARS)
1	NPCC2018020347	Yes		Yes	Yes				Yes				Categories 3 – 4: 2 years Categories 1, 9: 3 years
2	NPCC2018020348	Yes		Yes	Yes				Yes				Categories 3 – 4, 2 years Categories 1, 9: 3 years
3	NPCC2018020350	Yes		Yes	Yes				Yes				Categories 3 – 4, 2 years Categories 1, 9: 3 years
4	NPCC2018020346	Yes		Yes	Yes				Yes				Categories 3 – 4, 2 years Categories 1, 9: 3 years
5	NPCC2018020351	Yes		Yes	Yes				Yes				Categories 3 – 4, 2 years Categories 1, 9: 3 years
6	WECC2018020039			Yes	Yes			Yes					Category 2 – 12: 2 year
7	WECC2018020282			Yes	Yes								Category 2 – 12: 2 year
8	WECC2016015862			Yes	Yes						Yes	Yes	Category 2 – 12: 2 year
9	WECC2017018174	Yes		Yes	Yes								Category 1: 3 years; Category 2 – 12: 2 year
10	WECC2017017885	Yes		Yes	Yes								Category 1: 3 years; Category 2 – 12: 2 year
11	WECC2018019006			Yes	Yes				Yes				Category 1: 3 years; Category 2 – 12: 2 year
12	WECC2017016941	Yes		Yes	Yes				Yes				Category 1: 3 years; Category 2 – 12: 2 year
13	WECC2017016928	Yes	Yes	Yes	Yes				Yes				Category 1: 3 years; Category 2 – 12: 2 year
14	WECC2017016939	Yes		Yes	Yes				Yes				Category 1: 3 years; Category 2 – 12: 2 year
15	WECC2017016938			Yes	Yes				Yes				Category 1: 3 years; Category 2 – 12: 2 year
16	WECC2017016940	Yes		Yes	Yes			Yes	Yes				Category 1: 3 years; Category 2 – 12: 2 year
17	WECC2017016926	Yes		Yes	Yes			Yes	Yes	Yes	Yes		Category 1: 3 years; Category 2 – 12: 2 year
18	WECC2017016929			Yes	Yes			Yes	Yes				Category 1: 3 years; Category 2 – 12: 2 year
19													
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This posting contains sensitive information regarding the manner in which an entity has implemented controls to address security risks and comply with the CIP standards. NERC has applied redactions to the Spreadsheet Notice of Penalty in this posting and provided the justifications that are particular to each noncompliance in the table below. For additional information on the CEII redaction justification, please see this document.

	D. P. J. W.									
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Meth Disco			
NPCC2018020347	CIP-002-5.1a	R1.1, R1.2, R1.3	High	Lower	3/29/2017	9/4/2018	Self-R			
Description of the Viol document, each violat "violation," regardless whether it was a poss	ion at issue is des of its procedural	ses of this scribed as a posture and	This violation started on process for identifying an Specifically, the facility in and implement a complia The root cause of this vio	O02-5.1a R1. The entity disc March 29, 2017 when the end and rating its BES Cyber System scope the entity discovered there ance program.	ntity failed to implement a proms. e was a new version of the CIP ess of several NERC Reliability	port stating that as a provide the stating that as a provide the stating that as a provide the standards and that it was not in company it contract standard requirement obligations provide the standard	ns. The violation npliance. The ent			
Risk Assessment			The violation posed a mi may fail to ensure CIP pr runs a few times a year. connection were interru	nimal risk and did not pose a otections are afforded and n	a serious or substantial risk to naintained, which could expos ormation (PI) system that is us de data to <b>serio and the serio</b> via phor ompromised by	the reliability of the Bulk Power Syste e applicable Cyber Assets to unautho ed for real-time performance monito	em. Specifically, prized use. The f pring and diagnc			
Mitigation			To mitigate this violation, the entity: <ol> <li>contracted third-party company to create compliance program; and</li> <li>developed and implement process for identifying the impact level of assets in accordance with CIP-002-5.1 Attachment 1.</li> </ol> To prevent recurrence, the entity: <ol> <li>implemented automated system/tasks to ensure NERC activities are tracked and completed.</li> </ol>							
Other Factors			NPCC reviewed the entit	y's internal compliance prog	ram (ICP) and considered it to	be a neutral factor in the penalty de levant instances of noncompliance.	termination.			
				e lack of due diligence and o		em, NPCC determined that Compliar awareness to ensure NERC Reliabili	•			

thod of covery	Mitigation Completion Date	Date Regional Entity Verified Completion of
		Mitigation
-Report	9/4/2018	12/12/2018
	it had discovered	in June of 2017 it was in
evaluate its compli		III Julie Of 2017 it was in
evaluate its compli	iance program.	
n ended on Senter	nher 4 2018 when th	ne entity developed a
		ie entity developed a
ntity then hired a t	third-party company	to help them evaluate
-		
	. In particular, t	he entity did not
eviewed, assessed,	or implemented whe	en the entity
y, by failing to iden	tify the impact level	of its assets, the entity
e facility in scope ha	as been classified as a	a Low Impact Asset that
nostics. This syster	m sends information	to ; if this
nysical access.		
treatment was not	appropriate and that	t a capition was
	appropriate and that	mented as the entity
quirements were t	insidered and imple	mented as the entity

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Metho			
NPCC2018020348	CIP-002-5.1a	R2.1, R2.2	Lower	High	3/29/2017	9/4/2018	Self-Re			
Description of the Viola document, each violatio a "violation," regardless posture and whether it confirmed violation.) Risk Assessment	on at issue is desc of its procedura	ribed as I	On September 5, 2018, (the entity) submitted a Self-Report stating that as a noncompliance with CIP-002-5.1a R2. The entity discovered the noncompliance through a third-party company it contracted with to eval This violation started on March 29, 2017 when the entity failed to implement a process to identify its BES Cyber Systems, and therefore of identified impact levels. The violation ended on September 4, 2018 when the entity developed a process for identifying and rating its BES and approved its identified impact level. Specifically, the facility in scope the entity discovered there was a new version of the CIP standards and that it was not in compliance. The entity implement a compliance program. The root cause of this violation was a lack of awareness of several NERC Reliability Standard requirement obligations areendments to the NERC Reliability Standards into its compliance program. Therefore, certain requirements were not reviewed, assess The violation posed a minimal risk and did not pose a serious or substantial risk to the reliability of the bulk power system. Specifically, b to ensure CIP protections are afforded and maintained, which could expose applicable Cyber Assets to unauthorized use. The facility in s times a year. The entity has a PI system that sends information to the system is further protected from unauthorized physical access.							
Mitigation			To mitigate this violation,	the entity:	. The Low Impact system is furthe	r protected from unauthorized p	hysical access.			
-			<ol> <li>contracted third-p</li> <li>developed and im</li> <li>designated a CIP S</li> </ol>	arty company to create com plement process for identifyi enior Manager; and	pliance program; ng the impact level of assets in acco proval of the identified impact level		nent 1;			
Other Factor				omated system/tasks to funct	tion as a compliance calendar to ens		•			
Other Factors					m (ICP) and considered it to be a ne etermined there were no relevant i	. ,	nination.			
					bility of the bulk power system, NPG ERC compliance awareness to ensu					

od of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation						
eport	9/4/2018	12/12/2018						
, it I e its compliance	nad discovered on Jur program.	ne of 2017 it was in						
not review or have CIP Senior Manager Approval of the ber Systems, designated a CIP Senior Manager and reviewed								
en hired a third-party company to help them evaluate and . In particular, the entity did not incorporate								
• ,		assets, the entity may fail Asset that runs a few						
	-	nction was appropriate ity was recommissioning						
	piementeu as the ent	ity was recommissioning						

IP-003-6 n (For purposes t issue is descr its procedural s a possible, o	ribed as	This violation started on Ap impact BES Cyber System. Specifically, the facility in s t implement a compliance p	03-6 R1. The entity discovere pril 1, 2017 when the entity f The violation ended on Septe scope he entity discovered there w	ailed to implement documented cy ember 4, 2018 when the entity's CIF	9/4/2018 ting that as a rd-party company it contracted with t ber security policies that address Cyb Senior Manager reviewed and appro ds and that it was not in compliance.	er Security Aw oved its CIP-00
t issue is descr its procedural	ribed as	noncompliance with CIP-00 This violation started on Ap impact BES Cyber System. Specifically, the facility in s t implement a compliance p	03-6 R1. The entity discovere pril 1, 2017 when the entity f The violation ended on Septe scope he entity discovered there w	d the noncompliance through a thi ailed to implement documented cy ember 4, 2018 when the entity's CIF	rd-party company it contracted with t ber security policies that address Cyb P Senior Manager reviewed and appro	er Security Aw oved its CIP-00
				of several NERC Reliability Standar		
		The violation posed a mininer review one or more docum facility in scope has been comprovide data to	mal risk and did not pose a se nented cyber security policies classified as a Low Impact Ass via phone.	erious or substantial risk to the relia s, the entity may fail to ensure CIP p et that runs a few times a year. The promised by		ifically, by faili ned, which cou formation to
		<ol> <li>contracted third-p.</li> <li>implemented Cybe</li> <li>implemented Cybe</li> <li>performed tableto</li> <li>created a facility space</li> </ol>	arty to create compliance pro er Security Awareness trainin er Security Incident Response op exercise of Cyber Security pecific CIP-003-6 procedure.	g; Plan;		
		NPCC reviewed the entity's	s internal compliance progra y's compliance history and d	m (ICP) and considered it to be a ne	eutral factor in the penalty determinans not an entry of noncompliance.	tion.
			provide data to         The entity reduced the risk         The entity reduced the risk         To mitigate this violation, f         1. contracted third-p         2. implemented Cybe         3. implemented Cybe         4. performed tableto         5. created a facility s         To prevent recurrence, the         1. implemented auto         NPCC reviewed the entity         NPCC considered the entity	provide data to       via phone.         The entity reduced the risk of its system becoming com         To mitigate this violation, the entity:         1. contracted third-party to create compliance pro         2. implemented Cyber Security Awareness trainin         3. implemented Cyber Security Incident Response         4. performed tabletop exercise of Cyber Security I         5. created a facility specific CIP-003-6 procedure.         To prevent recurrence, the entity:         1. implemented automated system/tasks to funct         NPCC reviewed the entity's internal compliance program         NPCC considered the entity's compliance history and de         Although the violation posed a minimal risk to the reliad         based on the lack of due diligence and overall lack of NE	provide data to       via phone.         The entity reduced the risk of its system becoming compromised by         Image: The Low Impact system is further         To mitigate this violation, the entity:         1. contracted third-party to create compliance program;         2. implemented Cyber Security Awareness training;         3. implemented Cyber Security Incident Response Plan;         4. performed tabletop exercise of Cyber Security Incident Response Plan;         5. created a facility specific CIP-003-6 procedure.         To prevent recurrence, the entity:         1. implemented automated system/tasks to function as a compliance calendar to entity:         NPCC reviewed the entity's internal compliance program (ICP) and considered it to be a net NPCC considered the entity's compliance history and determined there were no relevant i         Although the violation posed a minimal risk to the reliability of the bulk power system, NP based on the lack of due diligence and overall lack of NERC compliance awareness to ensu	The entity reduced the risk of its system becoming compromised by The entity reduced the risk of its system becoming compromised by To mitigate this violation, the entity: 1. contracted third-party to create compliance program; 2. implemented Cyber Security Awareness training; 3. implemented Cyber Security Incident Response Plan; 4. performed tabletop exercise of Cyber Security Incident Response Plan; 5. created a facility specific CIP-003-6 procedure. To prevent recurrence, the entity: 1. implemented automated system/tasks to function as a compliance calendar to ensure NERC activities are tracked and c NPCC reviewed the entity's internal compliance program (ICP) and considered it to be a neutral factor in the penalty determinat NPCC considered the entity's compliance history and determined there were no relevant instances of noncompliance. Although the violation posed a minimal risk to the reliability of the bulk power system, NPCC determined that Compliance Except based on the lack of due diligence and overall lack of NERC compliance awareness to ensure NERC Reliability Standard requirem

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od of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation							
eport	9/18/2018	5/24/2019							
, it l ts compliance pro	nad discovered in Jun gram.	e of 2017 it was in							
wareness and Cyber Security Incident Response for its low 03-6 Cyber Security – Security Management Controls policy.									
en hired a third-party company to help them evaluate and									
. In particular, the entity did not incorporate or implemented when the entity . ling to identify the impact level of its assets and create and									
uld expose applicable Cyber Assets to unauthorized use. The									
		iction was appropriate ity was recommissioning							

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
NPCC2018020346	CIP-003-6	R2.	Lower	Severe	4/1/2017	9/4/2018	Self-Report	9/6/2018	5/24/2019
Description of the Viola document, each violatio a "violation," regardless posture and whether it confirmed violation.)	on at issue is deso s of its procedura	cribed as	This violation started on A impact BES Cyber System. Specifically, the facility in s addressed the sections in The root cause of this viola	03-6 R2. The entity discover pril 1, 2017 when the entity The violation ended on Sept scope the entity discovered there w CIP-003-6 Attachment 1. The ation was a lack of awareness	entity) submitted a Self-Report stating red the noncompliance through a third- failed to implement documented cyber ember 4, 2018 when the entity implem vas a new version of the CIP standards e entity then hired a third-party compa- s of several NERC Reliability Standard r	party company it contracted with r security policies that address Cyb nented its approved CIP-003-6 Cyb and that it was not in compliance. ny to help them evaluate and impl equirement obligations	to evaluate its compliance proper Security Awareness and Cyper Security – Security Manage did not have in platement a compliance program	yber Security Incident ement Controls policy ace documented cybe . In particular, the ent	Response for its low 
Risk Assessment			The violation posed a mini review one or more docum facility in scope has been of provide data to	mal risk and did not pose a s nented cyber security policie	compliance program. Therefore, certa serious or substantial risk to the reliabil es, the entity may fail to ensure CIP pro set that runs a few times a year. The e promised by	ity of the bulk power system. Spec tections are afforded and maintain ntity has a PI system that sends in	cifically, by failing to identify t ned, which could expose appli formation to	he impact level of its icable Cyber Assets to	
Mitigation			<ol> <li>Implemented Cybe</li> <li>Implemented Cybe</li> <li>Implemented Cybe</li> <li>Performed tableto</li> <li>Created a facility set</li> </ol>	party to create compliance pr er Security Awareness trainin er Security Incident Response op exercise of Cyber Security specific CIP-003-6 procedure. e entity:	ng; e Plan; Incident Response Plan; and	e NERC activities are tracked and d	completed		
Other Factors			NPCC reviewed the entity' NPCC considered the entit	s internal compliance progra cy's compliance history and d sed a minimal risk to the relia	im (ICP) and considered it to be a neutron letermined there were no relevant inst ability of the bulk power system, NPCC IERC compliance awareness to ensure l	ral factor in the penalty determina ances of noncompliance. determined that Compliance Exce	tion. ption treatment was not appr	•	

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
NPCC2018020351	CIP-003-6	R3.	Medium	Severe	4/1/2017	9/4/2018	Self-Report	9/4/2018	12/12/2018
a "violation," regardles posture and whether it	ocument, each violation at issue is described as "violation," regardless of its procedural osture and whether it was a possible, or onfirmed violation.)			003-6 R3. The entity discover		ort stating that as a stating that as a short stating that as a short stating that as a short station by the second station and short stat	th to evaluate its compliance pr	-	
confirmed violation.)			implement a compliance The root cause of this vic	the entity discovered there w program. lation was a lack of awarenes	s of several NERC Reliability S	tandards and that it was not in complianc tandard requirement obligations ore, certain requirements were not review	,	. In particular, the er	p them evaluate and tity did not incorporate
Risk Assessment			The violation posed a min individual responsible for failing to implement thes facility in scope has been provide data to	nimal risk and did not pose a s ensuring compliance. As a re e controls to ensure complian	serious or substantial risk to the sult the entity failed to idention to ensure the entity may fail to ensure that runs a few times a ye appromised by	ne reliability of the bulk power system. Sp fy the impact level of its assets and failed ure CIP protections are afforded and main ar. The entity has a PI system that sends i	ecifically, by failing to identify a to create and review one or mo tained, which could expose app information to, if thi	a CIP Senior Manager ore documented cybe plicable Cyber Assets	r security policies. By
Mitigation			2. contracted third-	, the entity: cumented by name the CIP Se party to create compliance pr specific CIP-003-6 procedure.	ogram; and				
				comated system/tasks to func					
Other Factors						be a neutral factor in the penalty determine evant instances of noncompliance.	nation.		
			<b>e</b> .		, , , ,	m, NPCC determined that Compliance Exc o ensure NERC Reliability Standard require		•	

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2018020039	CIP-004-3a	R3	Medium	High	8/6/2015 (when electronic access was provisioned without a PRA)	5/3/2018 (when a PRA was performed)	Self-Report	5/3/2018	4/3/2019		
Description of the Viola document, each violati			On July 18, 2018, the entit	ty submitted a Self-Report s	stating that, as a		, it was in vi	iolation of CIP-004-3a	R3.		
"violation," regardless of its procedural posture and whether it was a possible or confirmed violation.)			its procedures for ensurin departments that utilize the one employee who was as Because the entity did not	g that a Personnel Risk Asse hose access management p uthorized and granted elect t perform a PRA on the emp	October 2017, as part of mitigation rel essment (PRA) was conducted for indi procedures met to discuss and address tronic access on August 6, 2015 to sof ployee, they were not in the PRA track ithin its processes to identify the issue	viduals authorized for electronic acc s the gap in adherence, with internal tware on a CCA, used for outage coo sing database, which the entity used	ess to Critical Cyber Asse controls. While implem rdination, without first I to help reconcile emplo	ets (CCAs). In January enting one of the com having a completed PI yees with CIP electror	of 2018, the affected trols, the entity identified RA for the person. nic and physical access.		
			performed the PRAs, prior	r to the access being grante	onnel not following documented proce d. mined the entity failed to conduct a P						
Risk Assessment			This violation posed a mode employee prior to grantin The entity had no internal had malicious intent, they job. Additionally, the inte	derate risk and did not pose g electronic access to CCAs, l controls implemented to d r could have caused significa rnal control, that was imple	e a serious and substantial risk to the r , as required by CIP-004-3a R3. letect or prevent this violation for nea ant harm. However, the employee wa emented in place as part of the mitiga g the PRA, this control would have ide	reliability of the Bulk Power System ( arly three years. Given the extent of t s authorized to have the electronic a tion of previous violations, identified	BPS). In this instance, th the employee's access w access and was sufficient	ie entity failed to cond within the outage sche sly trained to use the s	duct a PRA for one duling software, had they software to perform their		
Mitigation			To mitigate this violation, the entity: 1) completed a PRA for the one employee in scope; 2) re-circulated its PRA verification procedure to applicable personnel; and 3) held a meeting with applicable personnel to discuss and train for the procedures and processes that need to be followed for compliance. During this meeting the attendees agreed that the will verify PRAs with the personnel requesting access is new to their system. If the personnel is requesting additional access to an area, the will verify access by checking the name against the PRA Audit SharePoint list maintained by								
Other Factors				's internal compliance prog	gram (ICP) and considered it to be a m		this violation utilizing a	n internal control it h	ad implemented as part		
			WECC considered the enti the disposition determina		nce history in determining the disposi	tion track. WECC considered the ent	ity's CIP-004-3a R3 com	pliance history to be a	n aggravating factor in		

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2018020282	CIP-006-3c	R4	Medium	Severe	(when the first employee entered the PSP using a hard key)	8/30/2016 (when the ability to access the PSP utilizing a hard key was removed)	Self-Report	5/15/2017	10/4/2018
Description of the Vio document, each violat "violation," regardless whether it was a poss	ion at issue is des of its procedural	scribed as a I posture and	CIP-006-3c R4. The ent		record for the entity, as a second for the entity, as a second for the entity, as a second pe had a start date of second start date of second start date of second start date of second	06-6 R1, given NERC Violation ID , which was before July 1, 2016, the		,	, for a violation of c R4. WECC created the Version 5.
			(ERC). The door that w Use of the alternate acc alternate access key, th core required for MIBC employee utilized an is	control house Physical Sec vas accessed had been des cess key was intended to i tus enforcing two-factor at CS with ERC, per the estal ssued hard key to enter a c	d substation service power outage, curity Perimeter (PSP) at a substati- signated to require the use of an al- nvoke the entity's procedure whice athentication per the entity's physi- blished entity security standards, of control house PSP containing MIBC ate Access Key procedure which re-	ion containing a Medium Impact I ternate access key for entry to the h required the Alarm Monitoring cal security plan. However, the do during the entity's NERC CIP V5 i CS with ERC. Similar to the issue	BES Cyber System ( PSP when electroni Station (AMS) to au or's key core had no mplementation effe mentioned above, t	(MIBCS) with Externa ic access controls failed athenticate the person of been changed out to orts. Additionally, on he key core at this PSI	l Routable Connectivity d or were out of service. requesting access to the the alternate access key August 9, 2016, another
			access at all access poin The root cause of the v	nts to the PSP twenty-four violation was less than ade	C determined the entity failed to a hours a day, seven days a week as equate internal controls. Specifical th the entity's physical security pla	s required by CIP-006-3c R4. ly, the entity's CIP Version 5 proje	-	-	
			This violation began or PSP through the altern		first employee entered the PSP usin ard key, for a total of days of no		ıst 30, 2016, when t	he entity removed the	ability to access the
Risk Assessment				ement its documented oper	al risk and did not pose a serious o rational and procedural controls to	•		•	•
			· 1	Risk Assessments (PRAs) a	y limited the number of individual and CIP training. At the time of the		5	0	
Mitigation			To mitigate this violati 1) changed the en	2	o the alternate access key cores at t	he two PSPs doors in scope;			
			not set for utili		s key PSP doors containing MIBCS keys. The entity mitigated by eith n the outside; and		-	-	-

	NOC-2640
	<ol> <li>updated its physical security plans to include a test checklist as an internal control. The checklist requires that the test and confirm that all other PSP doors have blank key cores.</li> </ol>
Other Factors	WECC reviewed the entity's internal compliance program (ICP) and considered it to be a neutral factor.
	WECC considered the entity's CIP-006 -3c R4 compliance history in determining the disposition track and considered two p disposition determination.
	Additional compliance history related to CIP-006-6 R4 were not relevant because the associated violations were related to fa entity's visitor control program; and its personnel risk assessment program, respectively, which involved different conduct

tester attempt to use a specific key in all PSP door key cores o previous violations to be an aggravating factor in the failing to maintain logs for physical access to PSPs; the ct than the violations in this disposition.

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation	
WECC2016015862	CIP-006-6	R1 P1.1,1.2, 1.3, and 1.4	Medium	Severe		7/19/2017 (when all issues were remediated)	Self-Report	11/14/2017	7/26/2018	
Description of the Vio document, each violat a "violation," regardle and whether it was a violation.)	ion at issue is de ss of its procedu	oses of this escribed as iral posture	entity's CIP Version 3 to WECC aud the noncompliance after Specifically, several issue a. Regarding issue When not in use b. Regarding issue	litors provided the entity r receiving the audit rep ues were identified with one (R1), the entity had as a PSP, the entity did two (R1 Part 1.1), the en	onal audit on y with an Area of Concern in accor- ort, knowing that the noncomplia the implementation of CIP-006-6 a conference room located in its n not ensure that all of the protectiv ntity's Physical Access Control Sy	cdance with guidance provided by nce was still occurring. R1 Parts 1.1, 1.2, 1.3, and 1.4. nain building that was identified a ve measures required in the Stand stems (PACS) were protected by	y NERC for CIP Ver as a dual-purpose co lards were applied.	rsion 5 transition aud	It times also functioned as a PSP.	
			<ul> <li>not managed with operational or procedural controls defined in its physical security plan.</li> <li>c. Regarding issue three (R1 Part 1.2), the entity's employee identified substations with an access door in the control house basement connected to a tunnel, designated as part of the PSP, that were found to have an emergency release (Safety) handle that did not require authentication for access into the PSP. The other end of the tunnel led to the outside. Entry by this manner was treated as an intrusion and would generate a response by security but did not require any type of authentication to gain access. The entity implemented this alternate path to comply with the National Fire Protection Association requirements for egress from the confined areas of the tunnel because the PSP space was concluded to be a necessary evacuation route.</li> <li>d. Regarding issue four (R1 Part 1.3), the entity did not ensure a minimum of two-factor authentication to a PSP access point at the primary Control Center containing High Impact</li> </ul>							
			<ul> <li>BES Cyber Systems (HIBCS). The management of the hard keys was not well documented and did not follow a two-factor authentication for use and distribution.</li> <li>e. Regarding issue 5 (R1 Part 1.4), the entity did not implement continuous monitoring of windows, glass, and hatches for intrusion detection when PSP motion sensors were disabled per its procedure, throughout the workday if one or more persons entered the PSP at six substations containing MIBCS. The disabling of the motion sensors also disabled intrusion monitoring through windows, glass, and some hatches at those substations. Specifically, on July 21, 2016, the entity received a loss of communication alarm from a PSP at a substation containing MIBCS with ERC. The entity's AMS operators notified Dispatch at the 15- and 30-minute marks concerning the loss of communications with the site; however, Dispatch did not direct and authorize human observation per the established procedures.</li> </ul>							
			one physical access cor feasible; 3) failed to utili	ntrol to allow unescorte ize two or more different	C Enforcement determined the ent d physical access into each applie physical access controls to collect authorized access through a physi	cable PSP to only those individu vely allow unescorted physical ac	als who have autho ccess into PSPs to on	orized unescorted ph ly those individuals	ysical access; where technically who have authorized unescorted	
					of open and coordinated commun n 5 of the CIP Standards and Requ		departments within	n the entity were not	communicating or collaborating	

	NOC-2640
	This violation began on and ended on Jul total of days of noncompliance.
Risk Assessment	WECC determined these violations posed a moderate risk and did not pose a serious and substantial risk to the reliability of to operation or procedural controls to restrict physical access; 2) failed to utilize at least one physical access control to allow unescont individuals who have authorized unescorted physical access; 3) where technically feasible, failed to utilize two or more different physical access into PSPs to only those individuals who have authorized unescorted physical access; and 4) failed to monitor for utilize process, as required by CIP-006-6 R1 Parts 1.1, 1.2, 1.3, and 1.4, respectively.
	However, the entity implemented good controls. All its PACS devices were within a designated PSP; the number of people with legitimate need to access the area, and they all had PRAs. The PACS servers were monitored for unauthorized access. Additional included tamper alarms, which would alert security officers if a cabinet were inappropriately accessed. The access tunnels were thave set off an alarm, and the tunnels are not accessible from the outside. Authentication, logging, and monitoring of physical action, which was the only way into the PSPs.
Mitigation	<ul> <li>To mitigate CIP-006-6 R1 Part 1.1, the entity has:</li> <li>1) developed a key control program for alternate access to PACS servers;</li> <li>2) changed the field site location from a designated PSP to a secure area and updated documentation;</li> <li>3) provided test results after the PACS system was moved to its new secure areas; and</li> <li>4) provided guidance for applicable personnel for identifying the required security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that resides of the provided security controls for a PACS system that provided security controls for a PACS securit</li></ul>
	<ul> <li>To mitigate CIP-006-6 R1 Part 1.2, the entity has:</li> <li>identified all sites containing MIBCS that utilize the pull handle safety device;</li> <li>reviewed each site's tunnels and hatches for conformance to its physical security standards;</li> <li>developed plans for sites that deviated from the physical security standard to bring the tunnels and hatches into complian</li> <li>reviewed all hatches and service doors to tunnels that are not a PSP access point to ensure they are locked down and cannot ensure all tunnel doors into the PSP with the pull handle are monitored 24/7, and the use of the pull handle immediately</li> <li>tested that the alarms were working; and</li> <li>updated the response procedure that the AMS operators use to investigate "Forced Door" alarms. The pull handles are of trained to respond to all forced door events.</li> </ul>
	<ul> <li>To mitigate CIP-006-6 R1 Part 1.3, the entity has:</li> <li>1) collected and inventoried all assigned keys to the primary Control Center;</li> <li>2) developed and implemented a procedure for primary Control Center key control. The referenced operations bulletin wa available to employees;</li> <li>3) updated the Physical Security Plan to change security responsibilities to security personnel and posted an operations b employees;</li> <li>4) assigned the PSP keys for the primary Control Center to Physical Security organization and stored them within a secure key moved the key management program to the Physical Security organization; and</li> <li>6) audited the updated procedure for effectiveness.</li> </ul>
	<ul> <li>To mitigate CIP-006-6 R1 Part 1.4, the entity has:</li> <li>1) enhanced the training program and procedures between AMS and Dispatch to deploy resources for physical observation System procedure; and</li> </ul>

uly 19, 2017, when the entity remediated all the issues, for a

f the BPS. In these instances, the entity, 1) failed to define orted physical access into each applicable PSP to only those ent physical access controls to collectively allow unescorted r unauthorized access through a physical access point into a

h access to the PSPs was limited to those who had a hally, the cabinets which housed the PACS control panels e monitored around the clock, the use of the handle would access was captured for all individuals that entered the

within a PSP or outside of a PSP.

ance with its physical security standards; not be opened from the exterior of the tunnel space; ly generates a forced door event to the AMS;

documented on all PSP drawings, and AMS operators are

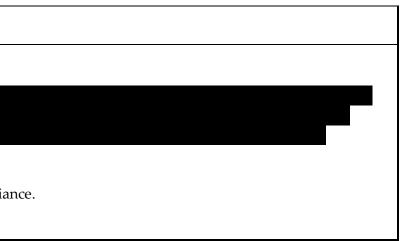
vas sent to AMS for their action, and the process was made

bulletin that describes the processes to the Control Center

e key box residing in the security AMS;

tion within the 30 minutes required by its Loss of Security

	NOC-2640
	2) implemented a script for contractors to read as part of their enhanced procedures between AMS and Dispatch.
Other Factors	WECC reviewed the entity's internal compliance program (ICP) and considered it to be a neutral factor.
	WECC considered the entity's CIP-006-6 R1 compliance history and determined there were no relevant instances of noncomplia



NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Metho Discov
WECC2017018174	CIP-006-3c	R1; R1.1	Medium	Severe	1/13/2012 (when the substation became a Critical Asset)	12/9/2016 (when the relays were disconnected from the ESP)	Self-R
Description of the Vio			On August 14, 2017, the	entity submitted a Self-Repo	ort stating that, as a	, it was in violation with CIP-006-3	3c R1.
document, each violat							
"violation," regardless whether it was a poss	•	•	Security Perimeter (PSP)	ported that on June 4, 2015 of a substation. The	were located in a	that were part of an Electronic , which was protected	by the p
				issue in 2015, it mistakenly n		October 10, 2016, while performing a	were site valio
			the	remained connected to the	e ESP and were still located outside	the PSP.	
			After reviewing all releva R1.1.	int information, WECC Enfor	cement determined that the entity f	ailed to ensure that all Cyber Assets w	'ithin an I
			The root cause of the vic	plation was a less than adequ	ate process. Specifically, the entity of	did not evaluate the ESP and PSP at the	e substat
				his violation began on Janua of 1,793 days of noncomplia		came a Critical Asset for CIP Version 3	, and end
Risk Assessment				his violation posed a minima thin an identified PSP, as req	•	substantial risk to the reliability of the	e BPS. In †
				•		overed within a timely manner and or nally discovered in 2015, but marked a	•
Mitigation			-	te this violation, the entity:			
			1) removed the	from the			
				-	• •	ork at BES sites or with BES Cyber Syst o add a new ESP, including which Cybe	
			4) updated its proc	edure to address its assessm	ents for ESPs and PSPs; and		
			5) created and prov	vided training for its updated	processes and procedures to applic	able personnel.	
Other Factors			WECC reviewed the entir	ty's internal compliance prog	ram (ICP) and considered it to be a	neutral factor in the penalty determina	ation.
				e mitigating credit for coope Mitigation Plan submittal da		dress the violations, determine the fac	ts, and ro
			The entity did not receiv	e mitigating credit for self-re	porting because the Self-Report was	s submitted 362 days after the entity d	liscovere
			WECC considered the en penalty determination.	tity's CIP-006-3c R1 complia	nce history in determining the penal	ty. WECC determined the entity's CIP-	006-3c R

hod of overy	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation						
-Report	6/13/2018	11/1/2018						
perimeter fence l	out outside the docu							
	nt for CIP Version 5, t	Although he entity discovered that						
n ESP resided with	in an identified PSP, a	as required by CIP-006-3c						
tation for compliar	nce before or after it v	was energized.						
ended on Decembe	er 9, 2016, when the	were disconnected						
n this instance, the	e entity failed to ensu	re that Cyber Assets						
		ver version of the CIP ctober of 2016. However,						
ts should be included within the PSP;								
report mitigation. This is evident by the duration between the								
red the noncompliance.								
R1 compliance history to be an aggravating factor in the								

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation	
WECC2017017885	CIP-005-5	R2; P2.3	Medium	Moderate	7/1/2016 (when the Standard and Requirement became enforceable)	4/4/2017 (when the entity modified the firewall access rules to the legacy device)	Self-Report	1/18/2019	TBD	
Description of the Violation (For purposes of this document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, or confirmed violation.)			On June 30, 2017, the entity submitted a Self-Report stating that, as a, it was in violation with CIP-005-5 R2							
Risk Assessment			authentication for all IRA so	· · · · · · · · · · · · · · · · · · ·			S. In this instance, the er	ntity failed to require	multi-factor . These controls	
Mitigation			<ul> <li>2)</li> <li>4) developed new rul</li> <li>5) validated connective</li> <li>6) verified successful</li> </ul>	ess to the ESPs from the una es to improve firewall mana vity and created a process to	gement and tracking; o ensure that when changing rules, they dmin traffic destined to ESP networks a					
Other Factors			WECC reviewed the entity's internal compliance program (ICP) and considered it to be a neutral factor in the penalty determination. The entity did not receive mitigating credit for cooperation. The entity did not quickly address the violations, determine the facts, and report mitigation. This is evident by the duration between the Self-Report date and the Mitigation Plan submittal date, which was 441 days.							

	NOC-2631
	The entity did not receive mitigating credit for self-reporting because the Self-Report was submitted 362 days after the entity discovered the n WECC considered the entity's CIP-005-5 R2 compliance history in determining the penalty. WECC determined the entity's CIP-005-5 R2 compliance determination.

e noncompliance.

pliance history to be an aggravating factor in the penalty

Reliability Standard CIP-005-5	<b>Req.</b> R1; P1.3	Violation Risk Factor	Violation Severity Level			Method of	Mitigation	Date Regional Entity		
	R1; P1.3			Violation Start Date	Violation End Date	Discovery	Completion Date	Verified Completion of Mitigation		
-		Medium	Severe	7/1/2016 (when the Standard and Requirement became mandatory and enforceable on the entity)	4/3/2017 (when the reason for granting access was properly documented)	Self-Report	4/4/2018	5/11/2018		
Description of the Violation (For purposes of this document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, or confirmed violation.)			On January 19, 2018, the entity submitted a Self-Report stating that, as a second seco							
		005-5 R1, Part 1.3. The root cause of the viol part of the entity's CIP Ve This violation began on Ju	lation was a lack of written c ersion 5 transition project pla uly 1, 2016, when the Standa	communication. Specifically, the task t an. ard and Requirement became mandat	to review all ACLs and ensure the reactory and enforceable on the entity, a	ason for granting acce	ess was properly docume	nted; however, it was not		
		This violation posed a minimal risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to include the reason for granting access for inbound and outbound access permissions, for two EAPs as required by CIP-005-5 R1, Part 1.3. This violation was a documentation issue rather than technical in nature. The entity implemented strong controls. Specifically, its network was implemented with "hub and spoke" technology in that another Cyber Asset was in place between the EAPs in scope and the external network, which had its ACL rules set to block traffic not permitted, with access comments for granting other permitted								
		<ul> <li>To mitigate this violation,</li> <li>1) added reasons to eac</li> <li>2) created a Security Inf</li> <li>3) updated the CIP-005-</li> </ul>	, the entity has: ch of the ACLs on <b>sectors</b> the formation and Event Manage 5 procedure document to in	EAPs and saved the two EAP configue ement (SIEM) policy test that will run include peer review of ACLs and to ens	rations; daily, verify that all ACLs have a com ure that comments are added to all	nment, and send resu				
Other Factors			WECC reviewed the entity's internal compliance program (ICP) and considered it to be a mitigating factor in the penalty determination. The entity's ICP demonstrates a strong culture of compliance with a focus on improving the reliability and security of the BPS.         The entity received mitigating credit for admitting to the violation.							
		WECC determined that the WECC applied mitigating which is a multi-year effo aging and non-standardiz of the system and associa	ne entity's compliance histor credit for improvements that ort that officially began in 202 red transmission protection s ated Operations and Plannin	ry should not serve as a basis for aggr at the entity was making on its system 18 and is expected to be completed in system that not only enhances the ma g compliance. This above and beyond	avating the penalty because it involv a. The entity has initiated a System- a 2023 at a total cost of over \$50M. anagement and security of the new of action is effectively a redesign and	ved conduct distinct f Wide Transmission Pr This significant projec CIP protection system deployment of the er	rotection Standardization ct addresses issues assoc n devices, but also impro ntity's protection system	iated with the entity's ves the overall reliability which is well beyond		
			entity added the approprisediscovered.After reviewing all releval 005-5 R1, Part 1.3.The root cause of the vio part of the entity's CIP Ver This violation began on Jureason for granting accessThis violation began on Jureason for granting accessThis violation posed a min outbound access permisesThis violation posed a min outbound access permisesThis violation was a docu another Cyber Asset was access. This setup increaseTo mitigate this violation (1) added reasons to ead (2) created a Security Inf (3) updated the CIP-005- (4) sent an email to the at WECC reviewed the entity with a focus on improving The entity received mitig The entity did not received WECC determined that the WECC applied mitigating which is a multi-year effor aging and non-standardiz of the system and associa what would be considered	entity added the appropriate reasons for granting ac discovered.         After reviewing all relevant information, WECC deter 005-5 R1, Part 1.3.         The root cause of the violation was a lack of written or part of the entity's CIP Version 5 transition project plater of the entity's CIP Version 5 transition project plater reason for granting access within each ACL rule on the This violation posed a minimal risk and did not pose a outbound access permissions, for two EAPs as require This violation was a documentation issue rather than another Cyber Asset was in place between the EAPs in access. This setup increased the security posture and To mitigate this violation, the entity has:         1) added reasons to each of the ACLs on the entity is a sequent to in 3 updated the CIP-005-5 procedure document to in 4) sent an email to the applicable personnel to notif         WECC reviewed the entity's internal compliance prog with a focus on improving the reliability and security The entity did not receive mitigating credit for self-re         WECC determined that the entity's compliance histor WECC applied mitigating credit for improvements that which is a multi-year effort that officially began in 20 aging and non-standardized transmission protections and Plannin what would be considered a typical action of a simila	entity added       the appropriate reasons for granting access to the ACLs on the EAPs ar discovered.         After reviewing all relevant information, WECC determined the entity failed to include the 005-5 R1, Part 1.3.         The root cause of the violation was a lack of written communication. Specifically, the task is part of the entity's CIP Version 5 transition project plan.         This violation began on July 1, 2016, when the Standard and Requirement became mandat reason for granting access within each ACL rule on the EAPs in scope, for a total of 276         This violation posed a minimal risk and did not pose a serious or substantial risk to the relia outbound access permissions, for two EAPs as required by CIP-005-5 R1, Part 1.3.         This violation was a documentation issue rather than technical in nature. The entity impler another Cyber Asset was in place between the EAPs in scope and the external network, wh access. This setup increased the security posture and provided defense in depth. The I to mitigate this violation, the entity has:         1) added reasons to each of the ACLs on I and the EAPs and saved the two EAP configu 2) created a Security Information and Event Management (SIEM) policy test that will run 3) updated the CIP-005-5 procedure document to include peer review of ACLs and to ens 4) sent an email to the applicable personnel to notify them of the new per review proce         WECC reviewed the entity's internal compliance torggram (ICP) and considered it to be a m with a focus on improving the reliability and security of the BPS.         The entity received mitigating credit for admitting to the violation.         The entity received mitigating credit for self-reporting due to the length of time bet WECC det	entity added the appropriate reasons for granting access to the ACLs on the EAPs and saved the EAP configuration discovered. After reviewing all relevant information, WECC determined the entity failed to include the reason for granting access for inbo 005-5 R1, Part 1.3. The root cause of the violation was a lack of written communication. Specifically, the task to review all ACLs and ensure the re- part of the entity's CIP Version 5 transition project plan. This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable on the entity, a reason for granting access within each ACL rule on the EAPs in scope, for a total of 276 days of noncompliance. This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable on the entity, a reason for granting access within each ACL rule on the EAPs in scope, for a total of 276 days of noncompliance. This violation posed a minimal risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, th outbound access permissions, for two EAPs as required by CIP-005-5 R1, Part 1.3. This violation was a documentation issue rather than technical in nature. The entity implemented strong controls. Specifically, another Cyber Asset was in place between the EAPs in scope and the external network, which had its ACL rules set to block tra access. This setup increased the security posture and provided defense in depth. The EAPs in scope were also configured in To mitigate this violation, the entity has: 1) added reasons to each of the ACLs on EAPs and saved the two EAP configurations; 2) created a Security Information and Event Management (SIEM) policy test that will run daily, verify that all ACLs have a con 3) updated the CIP-005-5 procedure document to include peer review of ACLs and to ensure that comments are added to all 4) sent an email to the applicable personnel to notify them of the new peer review process. WECC reviewed the entity's internal co	<ul> <li>entity added the appropriate reasons for granting access to the ACLs on the EAPs and saved the EAP configurations, therefore remedia discovered.</li> <li>After reviewing all relevant information, WECC determined the entity failed to include the reason for granting access for inbound and outbound ac 005-5 R1, Part 1.3.</li> <li>The root cause of the violation was a lack of written communication. Specifically, the task to review all ACLs and ensure the reason for granting access part of the entity's CIP Version 5 transition project plan.</li> <li>This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable on the entity, and ended on April 3, reason for granting access within each ACL rule on the EAPs in scope, for a total of 276 days of noncompliance.</li> <li>This violation posed a minimal risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to includuit outbound access permissions, for two EAPs in scope, for a total of 276 days of noncompliance.</li> <li>This violation was a documentation issue rather than technical in nature. The entity implemented strong controls. Specifically, its network was implay another Cyber Asset was in place between the EAPs in scope and the external network, which had its ACL rules set to block all traffic.</li> <li>To mitigate this violation, the entity has:</li> <li>1) added reasons to each of the ACLs on more than any provided defense in depth. The EAPs in scope were also configured to block all traffic.</li> <li>2) created a Security information and EVent Management (SIEM) policy test that will run daily, verify that all ACLs have a comment, and send resus 3) updated the CIP-005-5 procedure document to include peer review of ACLs and to ensure that comments are added to all ACLs when a new AC 4) sent an email to the applicable personnel to notify them of the new peer review of ACLs and to ensure that comments are added to all ACLs when a new AC 4) sent an email</li></ul>	entity added the appropriate reasons for granting access to the ACLs on the AC		

work was implemented with "hub and spoke" technology in that
permitted, with access comments for granting other permitted
all traffic.

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017016941	CIP-005-5	R1; P1.5	Medium	High	7/1/2016 (when the Standard and Requirement became enforceable)	7/14/2016 (when malicious communication detection was reestablished)	Self-Report	5/23/2018	8/22/2018		
Description of the Violat			On February 6, 2017, the e	ntity submitted a Self-Repo	rt stating, as a , it was in vio	lation of CIP-005-5 R1.					
document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, or confirmed violation.)		l	On July 7, 2016, the entity discovered, via an automated alert from the management console, that there was a configuration issue with <b>Cyber</b> Asset pairs ( <b>d</b> devices) configured in high availability fail-over configuration mode. These Cyber Assets were classified as EAPs to the ESP protecting the High Impact BES Cyber Systems (HIBCS). Upon further investigation, the entity determined that during its transition to CIP Version 5, a critical configuration setting was missed in the Intrusion Detection System (IDS) module for each of the <b>EAPs</b> pairs. All configuration for the IDS modules had been completed as of July 1, 2016 except for a single configuration setting. Because of the missing IDS module configuration setting, the EAPs did not have a method for detecting known or suspected malicious								
			After reviewing all relevant communications, as require	information, WECC determ ed by CIP-005-5 R1 Part 1.5		or more methods for detecting know	n or suspected malicious c		oth inbound and outbound		
			This violation began on July	The root cause of the violation was less than adequate controls for verifying configuration settings on the three EAP pairs during the NERC CIP Version 3 to Version 5 transition. This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable to the entity, and ended on July 14, 2016, when malicious communication detection was eestablished, for a total of 14 days of noncompliance.							
Risk Assessment       This violation posed a moderate risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to have one or more methods for detecting k malicious communications for both inbound and outbound communications, as required by CIP-005-5 R1 Part 1.5.         However, the entity implemented strong controls. Specifically, the entity utilized a SIEM to detect changes in the configuration of devices and included commands to ensure raw data wa alerted on actionable information.         The entity discovered this noncompliance as a result of investigating the alerts. Furthermore, multiple monitoring systems and methods were employed to log, detect the overall health of the affected Cyber Assets, resulting in several layers of defenses protecting the Cyber Assets.						data was analyzed and					
Mitigation			To mitigate this violation the entity:								
			<ol> <li>added the missing IDS module configuration to the EAP pairs;</li> <li>reseated the cable into the sensor port;</li> <li>created a SIEM policy test to monitor and detect for changes;</li> <li>provided training for the EAP with sensor port services;</li> <li>upgraded the software level on the formation affected EAPs active/standby pairs; and</li> <li>held a mitigation closure meeting with applicable personnel related to all compliance elements of CIP-005-5 R1.</li> </ol>								
Other Factors			WECC reviewed the entity's internal compliance program (ICP) and considered it to be a mitigating factor in the penalty determination. The entity's ICP demonstrates a strong culture of compliance with a focus on improving the reliability and security of the BPS.								
			The entity received mitigating credit for admitting to the violation.								
			The entity did not receive r	nitigating credit for self-rep	porting due to the length of time betwee	en the discovery date and the Self-Re	eport date.				
			WECC determined that the	entity's compliance history	r should not serve as a basis for aggrava	ting the penalty because it involved	conduct distinct from this v	violation.			

	NOC-2635									
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation	
WECC2017016941	CIP-005-5	R1; P1.5	Medium	High	7/1/2016 (when the Standard and Requirement became enforceable)	7/14/2016 (when malicious communication detection was reestablished)	Self-Report	5/23/2018	8/22/2018	
	WECC applied mitigating credit for improvements that the entity was making on its system. The entity has initiated a System-Wide Transmission Protection Standardization and Upgrade Project which is a multi-year effort that officially began in 2018 and is expected to be completed in 2023 at a total cost of over \$50M. This significant project addresses issues associated with the entity's aging and non-standardized transmission protection system that not only enhances the management and security of the new CIP protection system devices, but also improves the overall reliability of the system and associated Operations and Planning compliance. This above and beyond action is effectively a redesign and deployment of the entity's protection system which is well beyond what would be considered a typical action of a similarly situated utility. The project was not undertaken as the result of a mitigation plan. Rather, it was the result of the entity's systematic, post-event root cause analysis and corrective action planning program.									

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					NOC-2635				\$74,000				
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation				
WECC2017016928	CIP-007-6	R2; P2.1, 2.2, 2.3	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	12/19/2018 (Mitigation Plan completion)	Self-Report	12/19/2018	TBD				
Description of the Viola			On February 3, 2017, the e	ntity submitted a Self-Repor	t stating, as a				it was in violation				
document, each violatio			of CIP-007-6 R2.										
a "violation," regardless													
posture and whether it confirmed violation.)	was a possible, o	r	maintain a comprehensive Electronic Access Control a 007-6 R2 Part 2.1 through PACS, and PCAs, it was disc in the software whitelist d discovered another softwa patch sources were missing created. This issue affected of Cyber Assets. After reviewing all relevant and for which a patching so applications installed on the	becifically, for the entity's patch management process for tracking, evaluating, and installing cyber security patches pursuant to CIP-007-6 R2 Part 2.1, it utilized a configuration management application to laintain a comprehensive software whitelist. The whitelist was intended to track all software and the associated security patch sources installed on all in HIBCS and MIBCS BCAs, and the associated ectronic Access Control and Monitoring System (EACMS), Physical Access Control System (PACS), and Protected Cyber Assets (PCAs). The software whitelist was utilized as the starting point to execute CIP-07-6 R2 Part 2.1 through Part 2.4. On November 3, 2016, during the entity's efforts to true-up its software whitelist to the actual installed software and HIBCS BCAs and associated EACMS, ACCs, and PCAs, it was discovered that several software applications on HIBCS BCA, HIBCS BCA, FEACMS associated with the HIBCS and MIBCS BCAs is software whitelist during the CIP Version 5 implementation effort. Additionally, on December 13, 2016, and February 2, 2017, during continued efforts to true-up its software whitelist, the entity is covered another software application installed on HIBCS BCAs, PCAs and EACMS associated with the HIBCS as well as HIBCS BCAs, respectively, where the software and the associated atch sources were missing from the software whitelist. None of this software was being tracked for cyber security patches, therefore the patches were not being evaluated, applied, or had mitigation plans teated. This issue affected BCAs and HIBCS and in MIBCS), EACMS, PCAs and PCAs associated with the HIBCS, as well as EACMS and PCAs associated with the MIBCS, as well as EACMS and PCAs associated with the MIBCS, as well as EACMS and PCAs associated with the MIBCS, for a total for Cyber Assets.									
			The root cause of the violation was management policy guidance or expectations not being well-defined, understood, or enforced. Specifically, the entity had no project plans in place to address this requirement, the scope of the tasks was unknown, and available resources were constrained. Additionally, there was a misalignment of the operations team's skill sets and resource assignment.										
			This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable to the entity and ended when the entity completed its mitigation plan on December 19, 2018, for a total of 902 days of noncompliance.										
Risk Assessment			This violation posed a moderate risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to identify a source or sources to track for the release of cyber security patches for applicable Cyber Assets that were updateable and for which a patching source exists, as required by CIP-007-6 R2 Part 2.1. As a result, the entity also failed to evaluate security patches for applicable Cyber Assets that were updateable and for which a patching source exists, as required by CIP-007-6 R2 Part 2.1. As a result, the entity also failed to evaluate security patches for applicability for the software applications installed on those Cyber Assets, as required by CIP-007-6 R2 Part 2.2; as well as failed to take action for applicable patches to either apply the patches, or create a dated mitigation plan, or revise an existing mitigation plan, as required by CIP-007-6 R2 Part 2.3.										
				However, the entity had implemented strong controls. None of the affected Cyber Assets were internet-facing. Furthermore, multiple monitoring systems and methods were employed to log, detect, and alert on the overall health of the affected Cyber Assets, resulting in several layers of defenses protecting the Cyber Assets.									
Mitigation			To mitigate this violation, t	he entity:									
			<ol> <li>used a whitelist to ens</li> <li>inventoried all installed</li> </ol>	ure that all installed softwar d firmware and added to the	ting its SIEM reporting tool, and added a e applications are added to and being t e vulnerability management service for er needed and removed them from the	racked in the vulnerability managen tracking and evaluation of firmware	nent service where possible						

					NOC-2635				\$74,000
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017016928	CIP-007-6	R2; P2.1, 2.2, 2.3	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	12/19/2018 (Mitigation Plan completion)	Self-Report	12/19/2018	TBD
			<ol> <li>added functionality to</li> <li>developed and docum</li> </ol>	e whitelist entries for inclusion its asset management tool t nented a process for the evalu	nsure use of the best reporting tools ava on and exclusion errors that could cause to make it apparent to a user that an en uation of software and firmware entries ponsible for evaluating software and fir	e software to be excluded from the ev try is either including or excluding sof s in the software whitelist that are not	tware from the whitelist;		ent service; and
Other Factors			focus on improving the real The entity received mitigat WECC considered the ent determination. WECC applied mitigating of multi-year effort that offic standardized transmission associated Operations and	liability and security of the Bl ating credit for admitting to the ity's CIP-007-6 R2 compliance credit for improvements that cially began in 2018 and is exp n protection system that not of d Planning compliance. This a y situated utility. The project		ECC determined the entity's CIP-007-6 he entity has initiated a System-Wide al cost of over \$50M. This significant curity of the new CIP protection system redesign and deployment of the entit	R2 compliance history to Transmission Protection project addresses issues a m devices, but also impro ty's protection system wh	b be an aggravating fa Standardization and t associated with the en oves the overall reliab nich is well beyond wh	ctor in the penalty Jpgrade Project which is a ntity's aging and non- ility of the system and nat would be considered a

					NOC-2635				\$74,000
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017016939	CIP-007-6	R3; P3.1	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	5/19/2017 (when the physical ports were locked and added antivirus to the PCA)	Self-Report	4/10/2018	10/11/2018
Description of the Vio document, each violat a "violation," regardle posture and whether confirmed violation.)	ion at issue is desc ss of its procedura	ribed as I	Specifically, the entity ut that ports on MII 1.1 methodology of leave the BCAs, which was corr it completed on Decemb After reviewing all releva 007-6 R3 Part 3.1. The root cause of the vio of logical ports open on t	BCS BCAs without External Ro ing the physical ports instead opleted on February 10, 2017. er 13, 2016. Additionally, nt information, WECC determ lation was not understanding the BCAs in scope.	rt stating, as a one of the methods to deter, detect, o utable Connectivity (ERC) had not been of the logical ports open. Upon identifi The entity did not physically port lock o PCA did not have antivirus installed as hined the entity failed to deploy method the documented processes. Specifically	, it was in violation of CIP-007-6 R r prevent malicious code on it CIP appli port locked as of July 1, 2016. The emp ication of the missing port locks, the er ne port each on the remaining BCA required by CIP-007-6 R3 Part R3.1. Is to deter, detect, or prevent malicious y, an employee mistakenly applied the	icable Cyber Assets. How loyee responsible for thi ntity began the process o s because it was in the p code on MIBCS BC/ CIP-007-6 R1, Part 1.1 m	is task mistakenly app of physically port lock rocess of decommissi As without ERC and ethodology of leaving	PCA, as required by CIP-
Risk Assessment			This violation posed a mi BCAs without ERC, as rec However, the entity impl also monitors network sy	inimal risk and did not pose a juired by CIP-007-6 R3 Part 3. emented an extensive SIEM a	architecture that continually monitors cl e enabled ports have a description enter	ility of the BPS. The entity failed to dep hanges on HIBCS and MIBCS Cyber Asse	ets and alerts the operation	ons group of unauth	_
Mitigation			<ul> <li>or missing port locks</li> <li>documented a proce Reliability risk;</li> <li>decommissioned the</li> <li>installed antivirus on</li> <li>removed legacy non-</li> <li>communicated to ap</li> <li>reviewed and/or edition</li> </ul>	on open ports on <b>Second</b> of the datory escort checklist to ensu . The checklist will also outline ess to capture cyber security of remaining <b>Sec</b> As in scope applicable devices; ERC device types associated w plicable personnel new proce ted procedure to ensure full u	with its MIBCS which were classified as I ss changes; inderstanding of the documented contr	n in the event an incident/disturbance is r new device types at transmission faci BCA and replaced them with devices ca rols to prevent malicious code on non-E	s discovered; lities to prevent introdu pable of ERC; RC devices; and	cing any device types	that could create a CIP or
Other Factors			WECC reviewed the entit		vere created, scheduled, and being sent am (ICP) and considered it to be a mitig PS.				

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017016939	CIP-007-6	R3; P3.1	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	5/19/2017 (when the physical ports were locked and added antivirus to the PCA)		4/10/2018	10/11/2018		
The entity received mitigating credit for admitting to the violation. WECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because it was distinct, separate, and not relevant to this violation. WECC applied mitigating credit for improvements that the entity was making on its system. The entity has initiated a System-Wide Transmission Protection Standardization and Upgrade Project multi-year effort that officially began in 2018 and is expected to be completed in 2023 at a total cost of over \$50M. This significant project addresses issues associated with the entity's aging and standardized transmission protection system that not only enhances the management and security of the new CIP protection system devices, but also improves the overall reliability of the syste associated Operations and Planning compliance. This above and beyond action is effectively a redesign and deployment of the entity's protection system which is well beyond what would be con typical action of a similarly situated utility. The project was not undertaken as the result of a mitigation plan. Rather, it was the result of the entity's systematic, post-event root cause analysis an corrective action planning program.								ntity's aging and non- ility of the system and nat would be considered a			

					NOC-2635				\$74,000		
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017016938	CIP-007-6	R4; P4.2.2	Medium	High	11/8/2016 (when the SIEM stopped functioning correctly)	12/26/2016 (when the SIEM began logging and alerting for events)	Self-Report	5/17/2018	10/11/2018		
Description of the Viola document, each violatio a "violation," regardless posture and whether it confirmed violation.)	on at issue is desc s of its procedura	es of this ribed as I	Specifically, on December 7 and the associated EACMS since November 8, 2016. S database was not operatin associated with the MIBCS Furthermore, the antivirus However, during the 48-da cached on the local device sent when the SIEM was re Additionally, the entity rep SIEM database was not operation After reviewing all relevant	On February 6, 2017, the entity submitted a Self-Report stating, as a specific a potential logging is use with its SIEM, the event logging and alerting tool utilized to perform CIP-007-6 R4 for its HIBCS and MII and the associated EACMS, PCAs, and PACS, as applicable, for technically capable devices. As a result, the entity worked with the SIEM vendor to determine that the SIEM database had been corrup since November 8, 2016. Subsequently, the entity rebuilt the indexes in the database and brought the SIEM back to a normal operating state by December 26, 2016. During the 48-day span while the SI database was not operating correctly, Cyber Assets were not reporting to the SIEM: BCAS, EACMS devices, PCAs, and PACS (yber Asset, all associated with the HIBCS. The identified Cyber Assets were not reporting to the SIEM is logs to the antivirus policy administrator console, which was capable of alerting on malicious co However, during the 48-day span, the Cyber Assets were not able to send logs to the SIEM in order for the SIEM to generate alerts for a detected failure of Part 4.1 event logging. Because all logs were forwarded on, normalized, and correlated. Any logs that would have caused an alert from the SIEM would have be sent when the SIEM was repaired. Additionally, the entity reported that as a result of the issue with the SIEM, the Cyber Assets associated with its HIBCS were not included in the 15-calendar day log review during the 48 days in which: SIEM database was not operating correctly. Additionally, the entity reported that as a result of the issue with the SIEM, the Cyber Assets associated with its HIBCS were not included in the 15-calendar day log review during the 48 days in which: SIEM database was not operating correctly.							
			This violation began on November 8, 2016, when the SIEM stopped functioning correctly, and ended on December 26, 2016, when the SIEM began logging and alerting for events, for a total of 48 days of noncompliance.								
Risk Assessment			This violation posed a moderate risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to generate alerts for detected failure of Part 4.1 event logging, as required by CIP-007-6 R4 Part 4.2 Sub-Part 4.2.2. However, the entity implemented strong controls. The risk of malicious code was mitigated by the entity's implementation of antivirus since it has the ability to log and alert. The risk of logs on the Cyber Assets was mitigated, as the information was cached and sent to the SIEM upon re-indexing of the database. All Cyber Assets in question were protected within Physical Security Perimeters (PSPs) which was verified at audit. The antivirus continued to function as expected during this timeframe and could send its logs to the antivirus policy administrator console, which was capable of alerting on malicious code. Additionally, the entity implemented task reminders to remind employees to review logs which included escalations up to senior management if the task is not completed prior to the due date. While performing the manual review of those logs, this noncompliance was identified.								
Mitigation			<ol> <li>updated the CIP-007-6</li> <li>created a SIEM Normal</li> <li>conducted a summary representative sample</li> <li>updated the CIP-007-6</li> </ol>	abase corruption; database was operational ar R4 procedure regarding log Operations Dashboard that review of logs from July 1, was used for the review; R4 procedure to include all	t will exhibit the health and normal oper 2016 to the date the database indexes	rations of the SIEM by utilizing dynami	c insights of critical com	ponents of the SIEM;			

			NOC-2635								
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017016938	CIP-007-6	R4; P4.2.2	Medium	High	11/8/2016 (when the SIEM stopped functioning correctly)	12/26/2016 (when the SIEM began logging and alerting for events)	Self-Report	5/17/2018	10/11/2018		
Other Factors			focus on improving the rel The entity received mitigat WECC considered the entit determination. WECC applied mitigating c multi-year effort that offic standardized transmission associated Operations and	iability and security of the B ting credit for admitting to the ty's CIP-007-6 R4 compliance redit for improvements that ially began in 2018 and is ex protection system that not of Planning compliance. This a v situated utility. The project		CC determined the entity's CIP-007-6 I ne entity has initiated a System-Wide T al cost of over \$50M. This significant p curity of the new CIP protection system redesign and deployment of the entity	R4 compliance history to Transmission Protection roject addresses issues a devices, but also impro r's protection system wh	be an aggravating fa Standardization and l associated with the er ves the overall reliab ich is well beyond wh	ctor in the penalty Jpgrade Project which is a ntity's aging and non- ility of the system and nat would be considered a		

				-	NOC-2635				\$74,000
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017016940	CIP-007-6	R5; P5.5.1, P5.5.2	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	1/25/2017 (when password parameters were set for the accounts)	Self-Report	10/19/2018	TBD
Description of the Violation (For purposes of this document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible, or confirmed violation.)       On February 6, 2017, the entity submitted a Self-Report stating, as a Specifically, on December 9, 2016, while the entity's engineers were executing its change management process to install new MIBCS BCAs at a switching station, the entity's temporary passwords for the BCAs to be functionally tested prior to their deployment into the ESP where the BCA password length and complexity would be automatically enfor access system. Upon the Operations SMEs providing the temporary passwords, the access system. Upon the Operations SMEs providing the temporary passwords, the substation remote access system for these particular BCAs did not meet the minimum password parameters as required by Part 5.5.U hent 5.5.U and complexity in the substation remote access system and the BCAs could support such parameters. Upon discovery, it was determined that the Operations SMEs providing the temporary passwords and the entity determined that the SCA and the BCAs and the BCAs as associated with the MIBCSs at the substation remote access system.         Upon further investigation, the entity determined that the CBC and the BCAs and the BCAs and the Bub-Parts of CIP-007-6 RS Part 5.5. Which equated to an accounts with passwords managed by the substation remote access system. As of January 25, 2017, all passwords for the Qiver Asset length and complexity requirements, and all password settings within the substation remote access system had been corrected to meet CIP-007-6 RS Part 5.5. Sub-Parts 5.5.1 and 5.5.2.         The root cause of the violation was a lack of internal controls during the entity failed to implement a process for password-only authentication for interactive user access, either technic enforce password parameters as								automatically enforce words and the enforce ub-Part 5.5.1 (length) perations SMEs would have the appropriate unts with passwords t the Cyber Assets h 5 Sub-Parts 5.5.1 and ccess, either technica n time in the entity's p figuration changes, or when password para	ed via a substation remote sement of password length and Part 5 Sub-Part 5.5.2 d enforce password length e CIP-007-6 R5.5 password hat needed to be changed, had been updated to meet 5.5.2. ally or procedurally, and to project plan to validate the ther than for emergencies,
Risk Assessment			interactive user access, eit However, the entity imple Therefore, while password	her technically or procedura mented strong controls.	a serious or substantial risk to the relia ally, and to enforce password paramete not meet the CIP-007-6 R 5 Part 5.5 leng epending on the device type) and a min	rs, as required by CIP-007-6 R5 Par gth and complexity requirements b	t 5.5 Sub-Parts 5.5.1 and 5.5. between July 1, 2016 and Jan	2. Jary 25, 2017, passwo	
Mitigation			<ol> <li>update the SIEM policy</li> <li>created a tool to assist</li> <li>documented a process</li> </ol>	s associated with the identi y test to ensure it shows that in identifying CIP requirem to capture Cyber Security o	fied Cyber Assets to meet length and co at the passwords for devices in scope m ents, if any, that apply to new devices p controls for all new Cyber Assets prior to t password length and complexity for ar	eet the parameters of CIP-007 R5 F prior to approval of any final design p any commissioning of a Cyber As	that is planned to go throug set;	h the entity's commis	sioning process;

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Metho
WECC2017016940	CIP-007-6	R5; P5.5.1, P5.5.2	Medium	Severe	7/1/2016 (when the Standard and Requirement became enforceable)	1/25/2017 (when password parameters were set for the accounts)	Self-Re
					on SME team members, as well a repres on tasks and procedures will be discuss		licable Oper
Other Factors				y's internal compliance progra eliability and security of the B	am (ICP) and considered it to be a mitig PS.	ating factor in the penalty determina	ation. The e
			The entity received mitig	ating credit for admitting to t	he violation.		
			WECC determined that the	ne entity's compliance history	should not serve as a basis for aggrava	ting the penalty because it was disti	nct, separat
			multi-year effort that offi standardized transmissio associated Operations an	icially began in 2018 and is ex n protection system that not nd Planning compliance. This a ly situated utility. The project	the entity was making on its system. T pected to be completed in 2023 at a to only enhances the management and se bove and beyond action is effectively a was not undertaken as the result of a r	tal cost of over \$50M. This significan curity of the new CIP protection syst redesign and deployment of the en	t project ad em devices, tity's protec

		\$74,000
od of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
leport	10/19/2018	TBD
erations SMEs, ar	nd its	
e entity ICP demo	nstrates a strong culti	ure of compliance with a

rate, and not relevant to this violation.

ission Protection Standardization and Upgrade Project which is a addresses issues associated with the entity's aging and nones, but also improves the overall reliability of the system and tection system which is well beyond what would be considered a e entity's systematic, post-event root cause analysis and

					NOC-2635				\$74,000
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017016926	CIP-010-2	R1; P1.1.1, P1.1.2, P1.1.4, P1.1.5	Medium	High	7/1/2016 (when the Standard and Requirement became enforceable)	5/1/2017 (when baseline configurations were developed and captured)	Self-Report	3/29/2019	TBD
Description of the Viola document, each violatio "violation," regardless of and whether it was a po violation.)	on at issue is desc of its procedural	es of this cribed as a posture	Specifically, on August 4 some baseline elements a few Cyber Assets since issue, and to perform th Part 1.1 Sub-Parts 1.1.1 EACMS, and PCAs) this violation, for a total 1.1.1; were in violat After reviewing all relev and 1.1.5. The root cause of the v complete and accurate This violation began on	s might be missing from som e port scanning could not be ne necessary due diligence, through 1.1.5 baseline elem at the HIBCS and MIBCS. Du I of Cyber Assets, along w tion of sub-part 1.1.2; ant information, WECC deter iolation was less than adequ information to meet those o July 1, 2016, when the Stand	port stating, as a series of CIP-010 e Cyber Asset baseline configuration de e accomplished due to connectivity prob began an effort on August 25, 2016 to nents were captured for each applicable ring the entity's series audit, WEC with the baseline element that was missi were in violation of sub-part 1.1.4 rmined the entity failed to develop a base uate procedures. Specifically, the entity bjectives. Additionally, the entity had re dard and Requirement became mandato cal of 305 days of noncompliance.	etails. At the time, the entity believed blems between its configuration monit to review each Cyber Asset in its Cyber le Cyber Asset. The entity concluded CC auditors confirmed an additional ing from the Cyber Assets baseline con 4; and was in violation of sub-part seline configuration individually or by a ty had a procedure in place to meet of no procedure in place to address config	that it may not have control of the entity's that it may not have control of the Cyber Asset inventory to ensut that the scope of this viocyber Assets ( BCAs, BCAs, of iguration. BCAs, of the the scope of the state of the the scope of t	nplete baseline config r Assets. However, to ure that all required a olation included C EACMS, and the Cyber Assets w IP-010-2 R1 Part 1.1 S ments; however, the ation issues with the S	b examine the scope of the nd applicable CIP-010-2 R1 yber Assets ( BCAs, CAS) PCAs) as being in scope of ere in violation of sub-part ub-Parts 1.1.1, 1.1.2, 1.1.4, procedure did not contain SIEM.
Risk Assessment			This violation posed a moderate risk and did not pose a serious or substantial risk to the reliability of the BPS. In this instance, the entity failed to develop a baseline configuration individually or by group, as required by CIP-010-2 R1 Part 1.1 Sub-Parts 1.1.1, 1.1.2, 1.1.4 and 1.1.5. However, the entity implemented strong detective controls. The entity did not implement controls to prevent this violation from occurring but demploy detective controls which identified the violation. Furthermore, multiple monitoring systems and methods were employed to log, detect, and alert on the overall health of the affected Cyber Assets, resulting in several layers of defenses protecting the Cyber Assets.						
Mitigation			<ol> <li>2) documented a proc Reliability risk;</li> <li>3) upgraded applicable</li> <li>4) provided training to</li> <li>5) for any baselines the the configuration m resides within the configuration m</li> </ol>	er and names of devices mis ess to capture cyber security e configuration monitoring to SMEs on SIEM admin, secur at are being tracked manual onitoring tool. An alternative onfiguration monitoring too pmoted changes', which will	ly (e.g. in spreadsheets), converted to C e is to track the baseline element throu	or new device types at Transmission fa vare versions to ensure automated por Offline Device Type in its asset manager gh configuration monitoring tool scanr ent baseline;	acilities to prevent introc et scan capability; ment system in order for hing if possible. The desir	r the baseline elemen	t to be documented within

					NOC-2635				\$74,000		
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017016926	CIP-010-2	R1; P1.1.1, P1.1.2, P1.1.4, P1.1.5	Medium	High	7/1/2016 (when the Standard and Requirement became enforceable)	5/1/2017 (when baseline configurations were developed and captured)	Self-Report	3/29/2019	TBD		
					he changes to processes, documentation		e, to include updating pro	ocedures for how to o	commission offline devices		
				-	ine configurations into its asset manage	•					
			, ,, ,	5	new CIP devices to ensure clarity on the		0				
Other Factors			WECC reviewed the entity's internal compliance program (ICP) and considered it to be a mitigating factor in the penalty determination. The entity ICP demonstrates a strong culture of compliance with a focus on improving the reliability and security of the BPS.								
			The entity received miti	gating credit for admitting to	o the violation.						
			The entity did not receiv	The entity did not receive mitigating credit for self-reporting due to the length of time between the discovery date and the Self-Report date.							
			WECC considered the endetermination.	ntity's CIP-010-2 R1 complia	nce history in determining the penalty.	WECC determined the entity's CIP-010	-2 R1 compliance history	v to be an aggravating	factor in the penalty		
			is a multi-year effort that non-standardized transm and associated Operation considered a typical act	at officially began in 2018 an mission protection system th ons and Planning compliance	hat the entity was making on its system. d is expected to be completed in 2023 a nat not only enhances the management e. This above and beyond action is effect lity. The project was not undertaken as	at a total cost of over \$50M. This signif and security of the new CIP protectior tively a redesign and deployment of th	icant project addresses i n system devices, but also e entity's protection syst	ssues associated with o improves the overa tem which is well bey	the entity's aging and Il reliability of the system ond what would be		

				-	NOC-2635				\$74,000			
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation			
WECC2017016929	CIP-010-2	R2; P2.1	Medium	Severe	8/6/2016 (when baseline changes were not monitored)	11/11/2017 (when baseline changes commenced)	Self-Report	6/5/2018	10/11/2018			
Description of the Viola			On February 3, 2017, the e	ntity submitted a Self-Repo	rt stating, as a	, it was in violation of CIP-010	)-2 R2.					
document, each violatio a "violation," regardless posture and whether it confirmed violation.)	s of its procedura	al	an EACMS associated with ensure other Cyber Assets	the HIBCS not to have its b did not have similar issues,	is discovered a misconfiguration within aseline configuration monitored from A , it discovered additional Cyber Asse r Assets included BCAs, in addition t	August 6, 2016 to November 1, 201 ets where baseline configurations v	6, as required by CIP-010-2 vere not being monitored at	R2 Part 2.1. During th	ne entity's investigation, to			
			After reviewing all relevant information, WECC determined the entity failed to monitor at least once every 35 calendar days for changes to the baseline configuration, as well as document and investigate detected unauthorized changes, as required by CIP-010-2 R2 Part 2.1.									
			The root cause of the violation was less than adequate procedures. Specifically, the entity had a procedure in place to meet objectives of the Requirements; however, the procedure did not contain complete and accurate information to meet those objectives. Additionally, the entity had no procedure in place to address the configuration and communication issues with the SEIM.									
			This violation began on August 6, 2016, when changes to baseline configurations were not being monitored, and ended on May 11, 2017, when monitoring of changes to baseline configurations commenced on the Cyber Assets in scope, for a total of 279 days of noncompliance.									
Risk Assessment				•	a serious and substantial risk to the rel d investigate detected unauthorized cha	•	•	at least once every 35	calendar days for changes			
			However, the entity implemented strong controls. Specifically, the entity implemented an asset management system, which is used for off-line device management to facilitate a method to collect configuration information for Cyber Assets when it is difficult to implement technical or other controls. The information is gathered manually from the Cyber Assets in question and entered into the asset management system. Additionally, the risk specific to for the BCAs in scope of this noncompliance was further reduced because changes to their baseline configurations could only be made through a physical hardware change, and not remotely.									
Mitigation			To mitigate this violation, the entity:									
			<ol> <li>worked with its SIEM v for a 35-day rolling wir</li> </ol>		ement a solution that tracks the numbe	er of days since an asset was last mo	onitored by the SIEM to verif	y successful baseline ı	monitoring of Cyber Assets			
			2) implemented new con	figuration monitoring tool r	ules, policy tests, and reports;							
				er Assets for baseline config								
				•	ssets which do not directly connect to		·	at least once every 3	5 calendar days. For those			
					pring check, a policy test will fail and th							
				•	I device profilers to compatible firmwa	•		a ta aslaulata haur lan	a sinaa tha laat shaalu			
				-	ent functionality and collected the date onfiguration monitoring tool reports to		icked and used the new rule	s to calculate now ion	g since the last check;			
				71	e changes to processes, documentation,		le as a result of the new rend	orting evidence: and				
				pplicable personnel on the u	- · · ·			string evidence, and				
Other Factors			WECC reviewed the entity's internal compliance program (ICP) and considered it to be a mitigating factor in the penalty determination. The entity ICP demonstrates a strong culture of compliance with a focus on improving the reliability and security of the BPS.									
			The entity received mitigating credit for admitting to the violation. The entity did not receive mitigating credit for self-reporting due to the length of time between the discovery date and the Self-Report date.									
			WECC considered the entitied determination.	cy's CIP-010-2 R2 compliance	e history in determining the penalty. W	ECC determined the entity's CIP-01	0-2 R2 compliance history to	be an aggravating fa	ctor in the penalty			

	NOC-2635								\$74,000
NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017016929	CIP-010-2	R2; P2.1	Medium	Severe	8/6/2016 (when baseline changes were not monitored)	11/11/2017 (when baseline changes commenced)	Self-Report	6/5/2018	10/11/2018
WECC applied mitigating credit for improvements that the entity was making on its system. The entity has initiated a System-Wide Transmission Protection Standardization and Upgrade Project which i multi-year effort that officially began in 2018 and is expected to be completed in 2023 at a total cost of over \$50M. This significant project addresses issues associated with the entity's aging and non-standardized transmission protection system that not only enhances the management and security of the new CIP protection system devices, but also improves the overall reliability of the system and associated Operations and Planning compliance. This above and beyond action is effectively a redesign and deployment of the entity's protection system which is well beyond what would be considered typical action of a similarly situated utility. The project was not undertaken as the result of a mitigation plan. Rather, it was the result of the entity's systematic, post-event root cause analysis and corrective action planning program.									