

FFT Summaries

Caribou Self-Reports- October 2017

Entity	NBCRN	EUBVTN	Standard	Req	Compliance Issue	Risk Assessment	Mitigation Action
Caribou	NBCR004	2017010	MOD-025-2	R1	On October 20, 2017, Caribou submitted a Self- Report stating that, as a Generator Owner (GO), it had a compliance issue relating to MOD-025-2 R1. MOD-025-2 R1 requires GOs to provide its TP with verification of the Real Power capability of its applicable Facilities within a specified time interval. Caribou failed to provide the Transmission Planner (TP) with verification of the Real Power capability for their generation units by the required implementation date because of a misunderstanding of the required implementation date due to the lack of internal controls.	The non-compliance began on January 1, 2017 and ended on September 30, 2018 when test results were provided to the TP. There is little risk that the TP could be doing studies with incorrect values because all of NB Power's bulk electric system studies include scenarios of extreme dispatches where the wind farms are modeled as offline due to low wind conditions, thus ensuring that the system is planned for adequate generation and transmission supply to meet load at all times No harm is known to have occurred.	To mitigate this issue: 1) On Sept 21, 2018, Caribou completed testing of their Real Power capability; and 2) On September 30, 2018 Caribou submitted the verification to NB Power; and 3) the Caribou Corporate NERC Compliance group host a monthly NERC Compliance conference call to provide additional instruction and direction regarding NERC Reliability Standards compliance dates and Implementation Plans; and 4) the Caribou Corporate NERC Compliance group created a SharePoint Calendar where compliance dates are now entered and these entries are automatically distributed to the required facilities.
Caribou	NBCR004	2017011	MOD-025-2	R2	On October 20, 2017, Caribou submitted a Self- Report stating that, as a GO, it had a compliance issue	The non-compliance began on January 1, 2017 and ended on September 30, 2018 when test results were provided to the	To mitigate this issue: 1) On Sept 21, 2018, Caribou completed testing of

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					relating to MOD-025-2 R2. MOD-025-2 R2 requires GOs to provide its TP with verification of the Reactive Power capability of its applicable Facilities within a specified time interval. Caribou failed to provide the Transmission Planner (TP) with verification of the Real Power capability for their generation units by the required implementation date because of a misunderstanding of the required implementation date due to the lack of internal controls.	TP. There is little risk that the TP could be doing studies with incorrect values because all of NB Power's bulk electric system studies include scenarios of extreme dispatches where the wind farms are modeled as offline due to low wind conditions, thus ensuring that the system is planned for adequate generation and transmission supply to meet load at all times No harm is known to have occurred.	their Reactive Power capability; and 2) On September 30, 2018 Caribou submitted the verification to NB Power; and 3) the Caribou Corporate NERC Compliance group host a monthly NERC Compliance conference call to provide additional instruction and direction regarding NERC Reliability Standards compliance dates and Implementation Plans; and 4) the Caribou Corporate NERC Compliance group created a SharePoint Calendar where compliance dates are now entered and these entries are automatically distributed to the required facilities.
Caribou	NBCR004	2017012	PRC-024-2	R1	On October 20, 2017, Caribou submitted a Self- Report stating that, as a (GO, it had a compliance issue relating to PRC-024-2 R1. PRC-024-2 R1 requires each GO that has generator frequency protective relaying activated to trip its applicable	The non-compliance began on January 1, 2017 and ended on November 16, 2017 when Caribou's relay settings were updated. The risk is mitigated by Caribou being a wind facility and all of New Brunswick Power's Bulk Electric System studies include scenarios of	To mitigate this issue: 1) On November 16, 2017, Caribou updated their relay settings; and 2) On December 1, 2017, Caribou hired a consultant to complete a report on the protection settings; and

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					generating unit(s) to set its protective relaying such that the generator frequency protective relaying does not trip the applicable generating unit(s) within the “no trip zone” of PRC-024 Attachment 1. Caribou failed to set its protective relaying such that the generator frequency protective relaying does not trip the applicable generating unit(s) within the “no trip zone” of PRC-024 Attachment 1 by the implementation date of the standard because of a misunderstanding of the required implementation date due to the lack of internal controls.	extreme dispatches where the wind farms are modeled as offline due to low wind conditions, thus ensuring that the system is planned for adequate generation and transmission supply to meet load at all times. No harm is known to have occurred.	3) the Caribou Corporate NERC Compliance group host a monthly NERC Compliance conference call to provide additional instruction and direction regarding NERC Reliability Standards compliance dates and Implementation Plans; and 4) the Caribou Corporate NERC Compliance group created a SharePoint Calendar where compliance dates are now entered and these entries are automatically distributed to the required facilities.
Caribou	NBCR004	2017013	PRC-024-2	R2	On October 20, 2017, Caribou submitted a Self- Report stating that, as a GO, it had a compliance issue relating to PRC-024-2 R2. PRC-024-2 R2 requires each GO that has generator voltage protective relaying activated to trip its applicable generating unit(s) to set its protective relaying such that the generator voltage protective relaying does not trip the applicable generating unit(s) as a result of a voltage excursion (at the point of	The non-compliance began on January 1, 2017 and ended on November 16, 2017 when Caribou’s relay settings were updated. The risk is mitigated by Caribou being a wind facility and all of New Brunswick Power’s Bulk Electric System studies include scenarios of extreme dispatches where the wind farms are modeled as offline due to low wind conditions, thus ensuring that the system is planned for adequate generation and	To mitigate this issue: 1) On November 16, 2017, Caribou updated their relay settings; and 2) On December 1, 2017, Caribou hired a consultant to complete a report on the protection settings; and 3) the Caribou Corporate NERC Compliance group host a monthly NERC Compliance conference call to provide additional instruction and direction

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					interconnection) caused by an event on the transmission system external to the generating plant that remains within the “no trip zone” of PRC-024 Attachment 2.4. Caribou failed to set its protective relaying such that the generator voltage protective relaying does not trip the applicable generating unit(s) as a result of a voltage excursion (at the point of interconnection) caused by an event on the transmission system external to the generating plant that remains within the “no trip zone” of PRC-024 Attachment 2.4 by the implementation date of the standard because of a misunderstanding of the required implementation date due to the lack of internal controls.	transmission supply to meet load at all times. No harm is known to have occurred.	regarding NERC Reliability Standards compliance dates and Implementation Plans; and 4) the Caribou Corporate NERC Compliance group created a SharePoint Calendar where compliance dates are now entered and these entries are automatically distributed to the required facilities.
Caribou	NBCR004	2017014	PRC-019-2	R1	On October 20, 2017, Caribou submitted a Self- Report stating that, as a Generator Owner (GO), it had a compliance issue relating to PRC-019-2 R1. PRC-019-2 R1 requires GOs to coordinate the voltage regulating system controls, with the applicable equipment capabilities and settings of the applicable Protection System	The non-compliance began on January 1, 2017 and ended on February 1, 2018 when Caribou completed the coordination studies. The risk is mitigated by Caribou having only a single wind facility and Caribou having no known reliability issues with voltage regulating coordination	To mitigate this issue: 1) On February 1, 2018, Caribou completed the coordination of the voltage regulating system controls, (including in-service limiters and protection functions) with the applicable equipment capabilities and settings of the applicable Protection System devices and functions; and

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					devices and functions within specified intervals. Caribou failed to verify the coordination of voltage regulation and protection systems at their facilities by the required implementation date because of a misunderstanding of the required implementation date due to the lack of internal controls.	No harm is known to have occurred.	2) On February 12, 2018, Caribou hired a consultant to complete a report on the protection settings; and 3) the Caribou Corporate NERC Compliance group host a monthly NERC Compliance conference call to provide additional instruction and direction regarding NERC Reliability Standards compliance dates and Implementation Plans; and 4) the Caribou Corporate NERC Compliance group created a SharePoint Calendar where compliance dates are now entered and these entries are automatically distributed to the required facilities.