

ATC 2018 10-Year Assessment Preliminary Limitations

Model	Planning Zone	Monitored Facility	Category	% of Facility Rating	% of Nominal Bus Voltage	Normal Rating (MVA)	Emergency Rating (MVA)	Possible Mitigation
2023 Shoulder	1	ACEC Badger West - Petenwell 138-kV line	P32	96.9%	--	81	81	Emergency Rating not Exceeded
2019 Peak	1	Castle Rock - ACEC Quincy 69-kV line	P13	95.3%	--	40	51	Mckenna - Castle Rock 69kV line (Y47) Rebuild
2028 Peak	1	Castle Rock - ACEC Quincy 69-kV line	P13	96.9%	--	40	51	Mckenna - Castle Rock 69kV line (Y47) Rebuild
2023 Peak	3	Columbia 138/69 kV-transformer	P13	100.6%	--	93	96	Columbia: Replace Breaker
2028 Peak	3	Columbia 138/69 kV-transformer	P13	105.7%	--	93	96	Columbia: Replace Breaker
2019 Peak	3	Columbia 138/69-kV transformer	P13	98.1%	--	93	96	Columbia: Replace Breaker
2023 Peak	3	Columbia 345/138-kV transformer	P23	95.2%	--	400	527	Columbia: Replace Breaker
2028 Peak	3	Columbia 345/138-kV transformer	P23	96.1%	--	400	527	Columbia: Replace Breaker
2028 Peak	4	East Krok - Beardsley 69-kV line	P32	95.6%	--	46	46	Emergency Rating not Exceeded
2019 Peak	4	Highway V - X-154 Reactor 138-kV line	P32	99.4%	--	175	184	Highway V - Preble 138-kV line uprate
2023 Peak	4	Highway V - X-154 Reactor 138-kV line	P32	99.6%	--	175	184	Highway V - Preble 138-kV line uprate
2028 Peak	4	Highway V - X-154 Reactor 138-kV line	P32	100.4%	--	175	184	Highway V - Preble 138-kV line uprate
2028 Peak	4	Lost Dauphin - Red Maple 138-kV line	P32	96.2%	--	246	258	Emergency Rating not Exceeded
2019 Peak	4	Point Beach - Kewaunee 345-kV line	P32	96.1%	--	975	1006	Emergency Rating not Exceeded
2023 Peak	4	Point Beach - Kewaunee 345-kV line	P32	96.9%	--	975	1006	Emergency Rating not Exceeded
2028 Peak	4	Point Beach - Kewaunee 345-kV line	P32	95.7%	--	975	1006	Emergency Rating not Exceeded
2019 Peak	3	Portage - Columbia 138-kV line	P12	100.3%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2019 Peak	3	Portage - Columbia 138-kV line	P32	103.1%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2023 Peak	3	Portage - Columbia 138-kV line	P12	103.0%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2023 Peak	3	Portage - Columbia 138-kV line	P32	105.6%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2028 Peak	3	Portage - Columbia 138-kV line	P12	103.2%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2028 Peak	3	Portage - Columbia 138-kV line	P32	105.8%	--	246	335	Portage - Columbia 138-kV line rebuild X-20
2019 Peak	3	Portage B2 - Columbia 138-kV line	P12	100.4%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2019 Peak	3	Portage B2 - Columbia 138-kV line	P32	103.1%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2023 Peak	3	Portage B2 - Columbia 138-kV line	P12	103.0%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2023 Peak	3	Portage B2 - Columbia 138-kV line	P32	105.6%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2028 Peak	3	Portage B2 - Columbia 138-kV line	P12	103.2%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2028 Peak	3	Portage B2 - Columbia 138-kV line	P32	105.9%	--	246	335	Portage - Columbia 138-kV line rebuild X-13
2019 Peak	4	Preble - X-154 Reactor 138-kV line	P32	96.4%	--	175	184	Highway V - Preble 138-kV line uprate
2023 Peak	4	Preble - X-154 Reactor 138-kV line	P32	99.6%	--	175	184	Highway V - Preble 138-kV line uprate
2028 Peak	4	Preble - X-154 Reactor 138-kV line	P32	100.4%	--	175	184	Highway V - Preble 138-kV line uprate
2023 Peak	3	Stage Coach - Timberlane Tap 69-kV line	P13	97.8%	--	69	81	West Middleton - Stagecoach 69 kV line rebuild 6927
2028 Peak	3	Stage Coach - Timberlane Tap 69-kV line	P13	96.6%	--	69	81	West Middleton - Stagecoach 69 kV line rebuild 6927
2023 Peak	3	Timberlane Tap - West Middleton 69-kV line	P13	98.9%	--	68	86	West Middleton - Stagecoach 69 kV line rebuild 6927
2028 Peak	3	Timberlane Tap - West Middleton 69-kV line	P13	98.6%	--	68	86	West Middleton - Stagecoach 69 kV line rebuild 6927
2028 Peak	3	Timberlane Tap - West Middleton 69-kV line	P33	95.4%	--	68	86	West Middleton - Stagecoach 69 kV line rebuild 6927

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