

Outage-based Adjustments to Short-Term TTC

01/17/2020 Webinar

Agenda

- TTC Update Proposal
- Useful Links

Background

- At the December 12th ST ATC workshop, customers stated that it would be useful to have outage-informed TTC values ahead of BPA's typical two-week ahead outage study cycle
- BPA considered this input and how BPA might improve providing this information in advance of the current study cycle

TTC Update Proposal

 BPA is proposing to conduct a test case and release outage-informed estimated TTC values to OASIS approximately 45 days prior to the outage month where the outage(s) are anticipated to have significant impacts on TTC for North of Echo Lake S>N (NOEL) and South of Custer N>S (SOC)

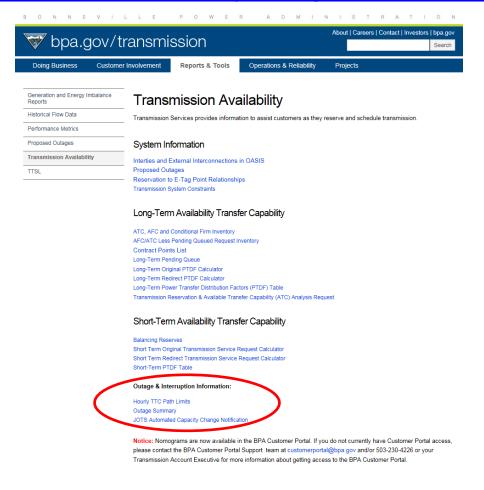
TTC Update Proposal Benefits and Timing

- Customers will have advanced warning (approximately 45 days in advance) of significant TTC reductions to the NOEL and SOC constraints
 - Updated TTC values will be available in OASIS
- BPA expects to implement this change in mid-February for planned outages starting in April
 - March did not show a need for any updates

USEFUL LINKS

BPA Transmission Availability on bpa.gov

 https://www.bpa.gov/transmission/Reports/Tr ansmissionAvailability/Pages/default.aspx



Outage Summary on OASIS

BPAT Outage Summary Path: N_ECOL_S>N ✓ Spreadsheet Hourly TTC Path Limits

N_ECOL_S>N Outages (Last Updated, 2020-01-10 14:37:23 PS)

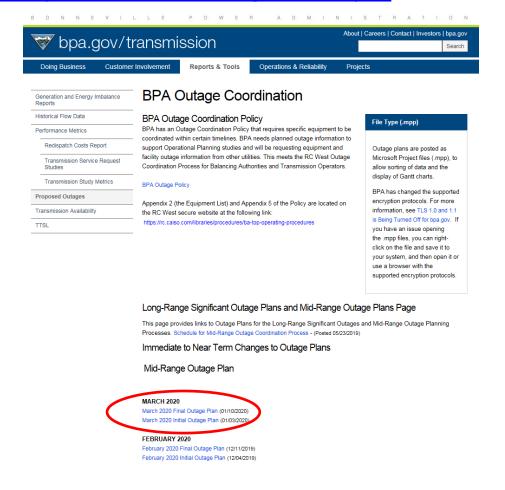
Outage ID	Start	Stop	MW Limit	Priority	Last Updated	Reason for Path Reduction	Event ID
241257	2015-11-01 00:00 PD	2025-01-01 00:00 PS	2800	Path Rating	2019-09-19 14:25:25 PD	SCSTER & N_ECOL Long-term limit	BPAT44295
	2025-01-01 00:00 PS	2026-01-01 00:00 PS	2800				
	2026-01-01 00:00 PS	2028-01-01 00:00 PS	2800				
304740	2019-11-01 00:00 PD	2020-06-01 00:00 PD	2103	Short-Term Seasonal Default	2019-10-18 08:32:40 PD	NOEL-Winter Seasonal Limit for 2020	BPAT75804
312923	2020-06-01 00:00 PD	2020-11-01 00:00 PD	2067	Short-Term Seasonal Default	2019-10-18 08:35:30 PD	NOEL-Summer Seasonal Limit for 2020	BPAT79612
318180	2020-11-01 00:00 PD	2021-06-01 00:00 PD	2103	Short-Term Seasonal Default	2019-10-18 09:36:15 PD	NOEL - WINTER 2021 SEASONAL LIMIT	BPAT82017
321338	2019-12-05 16:00 PS	2019-12-30 00:00 PS	2245	Studied	2019-12-20 13:37:48 PS	BPA - VARIOUS EQUIPMENT OUTAGES (SLIM 631 R5)	BPAT83363
2	2019-12-30 00:00 PS	2020-01-14 00:00 PS	2245				
322328	2020-01-14 00:00 PS	2020-03-01 00:00 PS	2248	Studied	2020-01-09 12:08:14 PS	BPA - VARIOUS OUTAGES (SLIM 634 R1)	BPAT83723

For questions or comments, please contact TBL Path Capacity, BPA Transmission Services Capacity Desk, (360) 418-8496. For questions regarding the current day, contact Real-Time Scheduling at (360) 418-2878.

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BPA Outage Coordination on bpa.gov

 https://www.bpa.gov/transmission/Reports/P ages/Proposed-Outages.aspx



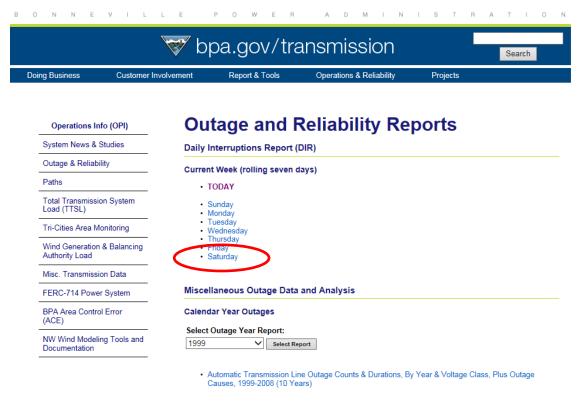
Final Outage Plan

Sample of March 2020 Final Outage Plan

ld	Start Time Stop Time		Description	Paths	Foreign IDs		
1357154	Thu 10/31/2019 05:17:00 PPT		RAVER: PCBS 4792 AND 4789 (BAY 10 - OLD ECHO LAKE BAY)		To COS ID: 1-00688740 To RC West ID: 7943012		
1366516	Mon 02/24/2020 12:00:00 PPT	Thu 05/21/2020 16:00:00 PPT	RAVER: 500KV REACTOR 4 INCLUDING PCB 4842 AND MOD 4841	NOEL,RP,SOC	To RC West ID: 8161094		
1360208	Fri 02/28/2020 06:00:00 PPT	Sun 03/01/2020 20:00:00 PPT	MAPLE VALLEY - SCL DUWAMISH 230KV LINE SCL DUWAMISH - SCL CRESTON 230KV LINE		From COS ID: 1- 00693704		
1341570	Mon 03/02/2020 07:00:00 PPT	Tue 03/03/2020 16:00:00 PPT	RAVER: PCB 4314		To COS ID: 1-00665399 To RC West ID: 7850890		
1350790	Mon 03/02/2020 08:00:00 PPT	Sun 03/15/2020 18:00:00 PPT	SCL - LAKE YOUNGS - FAIRWOOD 115KV LINE		From COS ID: 1- 00677236		
1364330	Mon 03/02/2020 08:00:00 PPT	Mon 05/11/2020 17:30:00 PPT	MCC - KEELER: 230KV SVC INCLUDING 230/20KV XFMR NO. 4	COI,NJD,PDCI,WOCS			
1355604	Mon 03/02/2020 16:30:00 PPT	Mon 05/11/2020 12:00:00 PPT	KEELER: 230KV SVC INCLUDING 230/20KV XFMR NO. 4		To COS ID: 1-00687342 To RC West ID: 7880861		
1359928	Tue 03/03/2020 08:00:00 PPT	Wed 03/04/2020 15:00:00 PPT	MALIN: PCB 4182 INCLUDING 500KV CAP GROUP 3	COI,NWACI,PDCI	To RC West ID: 8043338		
1361998	Wed 03/04/2020 07:30:00 PPT	Thu 03/05/2020 15:30:00 PPT	TACOMA: 230KV CAP GROUP 3 INCLUDING PCB A- 1072, A-1072 REACTIVE SIDE DISC, LBD A-1078 AND LBD A-1079	NOEL,RP,SOC,WOCN	To RC West ID: 8043359		
1363386	Thu 03/05/2020 06:00:00 PPT	Sun 03/08/2020 22:00:00 PPT	SCL - MAPLE VALLEY - SCL DUWAMISH 230KV LINE, COVINGTON - SCL DUWAMISH 230KV LINE		From RC West ID: 7854176		
1359080	Thu 03/05/2020 08:00:00 PPT	Thu 03/05/2020 11:00:00 PPT	BETTAS ROAD: PCB A-3040		To COS ID: 1-00692423 To RC West ID: 7969838		
1359088	Thu 03/05/2020 11:00:00 PPT	Thu 03/05/2020 15:00:00 PPT	BETTAS ROAD: PCB A-3043		To COS ID: 1-00692427 To RC West ID: 7969953		
1350110	Tue 03/10/2020 07:00:00 PPT	Tue 03/10/2020 16:00:00 PPT	CUSTER: PCB 4496, PCB 4496 BREAKER FAILURE RELAY		To COS ID: 1-00680389 To RC West ID: 7845811		

Outage and Reliability Reports on bpa.gov

 https://transmission.bpa.gov/Business/Operat ions/Outages/default.aspx



If you believe information on this site is missing or in error, please Submit that comment here.

Daily Interruptions Report (DIR) (sample)

Daily Interruptions Report

Jan 10 2020 05:00 through Jan 11 2020 04:59

Data sorted by descending out datetime. Click here for spreadsheet

Customer Service Interruptions (37 outage(s))

Out Datetime	In Datetime	Name	_	Duration (minutes)		Cause Dispatch	Responsible System Dispatch	MW Intrpt	O&M District	Outage ID
01/11/2020 04:36	01/11/2020 04:36	Clayton: Inland P+L 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213272
01/11/2020 04:36	01/11/2020 04:36	Colbert: Avista Corp 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213273
01/11/2020 04:36	01/11/2020 04:36	Deer Park: Avista Corp 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213274
01/11/2020 04:36	01/11/2020 04:36	Half Moon: Inland P+L 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213275
01/11/2020 04:36	01/11/2020 04:36	Loon Lake: Avista Corp 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213276
01/11/2020 04:36	01/11/2020 04:36	Mead: Avista Corp 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213277
01/11/2020 04:36	01/11/2020 04:36	Milan: Avista Corp 115kV Feeder 1	115.0	0	Auto	Unknown	BPA	Unknown	SPK	213278
01/11/2020 04:36	01/11/2020 04:36	Milan: Inland P+L 13.8kV Feeder 1 by Avista Corp	13.8	0	Auto	Unknown	BPA	Unknown	SPK	213279
01/11/2020 04:03	01/11/2020 04:04	Clayton: Inland P+L 115kV Feeder 1	115.0	1	Auto	Unknown	BPA	Unknown	SPK	213259
01/11/2020 04:03	01/11/2020 04:04	Colbert: Avista Corp 115kV Feeder 1	115.0	1	Auto	Unknown	BPA	Unknown	SPK	213260
01/11/2020 04:03	01/11/2020 04:04	Deer Park: Avista Corp 115kV Feeder 1	115.0	1	Auto	Unknown	BPA	Unknown	SPK	213261
01/11/2020 04:03	01/11/2020 04:04	Deer Park: Inland P+L 115kV Feeder 1	115.0	1	Auto	Unknown	BPA	Unknown	SPK	213262
01/11/2020 04:03	01/11/2020 04:04	Half Moon: Inland P+L 115kV Feeder 1	115.0	1	Auto	Unknown	BPA	Unknown	SPK	213263

Transmission Line Interruptions (38 outage(s))

	Transmission Line Invertebrious (ee datage(s))									
In Datetime	Name				Cause Dispatch		O&M	_		
01/11/2020 04:36	Bell-Addy No 1 115kV line	115.0	0	Auto	Unknown				213271	
	Chief Joseph-Monroe No 1 500kV line	500.0	still out	Auto	Unknown	BPA	WEN SNO	BPAT	213270	
01/11/2020 04:04	Clayton tap to Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Clayton-Loon Lake section of Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Colbert tap to Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Colbert-Half Moon section of Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Deer Park tap to Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Half Moon-Tum Tum section of Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Half Moon tap to Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:04	Loon Lake tap to Bell-Addy No 1 115kV line	115.0	1	Auto	Unknown	BPA	SPK	BPAT	213269	
01/11/2020 04:06	Loon Lake-Addy section of Bell-Addy No 1 115kV line	115.0	3	Auto	Unknown	BPA	SPK	BPAT	213269	
	01/11/2020 04:36 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04 01/11/2020 04:04	11 Datetime Name 01/11/2020 04:36 Bell-Addy No 1 115kV line	Name Voltage (kV)	Name Name Voltage (kV) Duration (minutes)	Name Notage Duration Outage Type	Name Name Voltage (kV) Outage (Type Dispatch	Name Notage	Name Voltage (kV) Duration (kV) Duration (minutes) Cause Type Dispatch Dis	Name Voltage Duration (kV) Duration (minutes) Outage Cause Type Dispatch Dispatch	

Further Questions or Comments

Send emails to TechForum@bpa.gov