



Short-Term ATC Availability Analysis User Guide

Version 2

8/22/2022

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For additional questions or assistance, submit questions to tblresdesk@bpa.gov.

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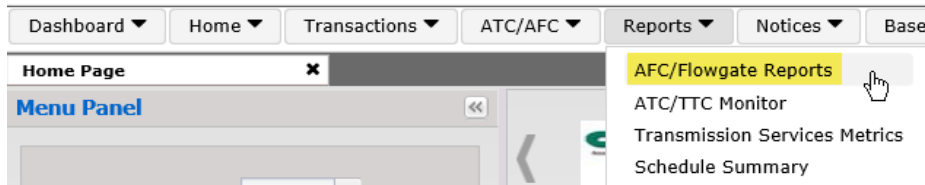


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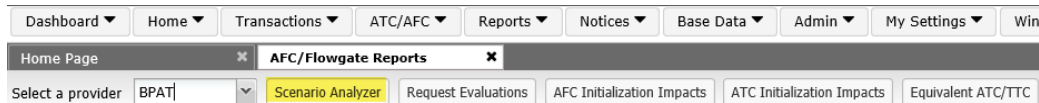
A. OASIS Scenario Analyzer

The Scenario Analyzer evaluation is based off of OASIS calculations using outage informed Power Transfer Distribution Factors (PTDFs) and is only for original analysis scenarios, not redirect analysis scenarios (see Section D for redirect information).

1. Access OASIS>Reports>AFC/Flowgate Reports.



2. Select a provider: BPAT.
3. Select Scenario Analyzer.



4. Source/Sink: Enter for both Long-Term (LT) and Short-Term (ST) scenarios. A list of valid Source/POR and Sink/POD combinations are in the Contract Points List available on the [Transmission Availability webpage](#).
5. POR/POD: Enter for both LT and ST scenarios.
6. Transmission Service: Enter applicable service type.
7. Start Time: Enter date/time service is to begin.
8. Start TZ: select applicable time zone.
 - a. PD = approximately early March through early November.
 - b. PS = approximately early November through early March.
9. Stop Time: Enter date/time service is to end.
10. Stop TZ: select applicable time zone.
11. MW: Enter MW amount to be requested.
12. Click Check AFC for flow-based paths or Check ATC for 1:1 path scenarios.



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13. Fail or Pass Results will be displayed.

The screenshot shows the 'Results' section of the Scenario Analyzer. It displays a red error message: 'SA#14 AFC Fail'. Below this, it lists several scenarios that failed: '00010 C-CASC_S, 2021-07-06, 2021-07-07, AFC=-333878', '00009 C-CASC_N, 2021-07-06, 2021-07-07, AFC=-352974', '00004 SOALSN, 2021-07-06, 2021-07-07, AFC=-235433', '00003 PAUL_ALSN, 2021-07-06, 2021-07-07, AFC=-194922', and '00013 WOOD_E>W, 2021-07-05, 2021-07-06, AFC=-80621.6'. Below the results, there is a 'Scenario Analyzer Information' section with various dropdown menus for Queue Position, Provider, Source, Sink, Path, and Transmission Service. At the bottom, there is a 'Scenario Analyzer Profile' table with columns for Start Time, Start TZ, Stop Time, Stop TZ, and MW.

B. OASIS AFC Initialization Impacts

This section reflects the ST market only, OASIS does not reflect the LT market accurately. TSRs are assessed against the pending AFC/ATC.

1. Access OASIS>Reports>AFC/Flowgate Reports.
2. Select a provider: BPAT.
3. Select AFC Initialization Impacts (flow-based paths) or ATC Initialization Impacts (1:1 paths).

The screenshot shows the top navigation bar of the OASIS system. The 'Reports' dropdown menu is open, and 'AFC Initialization Impacts' is highlighted with a red arrow. Other options in the menu include Dashboard, Home, Transactions, ATC/AFC, Notices, Base Data, Admin, My Settings, and Window. Below the navigation bar, there is a breadcrumb trail: 'Home Page > AFC/Flowgate Reports > AFC Initialization Impacts'.

4. Filter by:
 - a. Provider: BPAT.
 - b. Flowgate: Select applicable flow-based path.
 - c. Horizon: Select applicable horizon.
 - d. Init. Date: Select initialization date.
 - e. Click Apply
5. Select Summary to view the AFC/ATC Initialization Impact Detail screen.

The screenshot shows the 'AFC Initialization Impacts' report table. The table has columns for Horizon, Provider, Flowgate, and Reports. The first row is highlighted in yellow and contains the text: 'Monthly Pre-Sched BPAT 11 SOALSN_S>N Summary 2021-06-30 2022-06-30 2023-06-30 2024-06-30 2025-06-30 2026-06-30 2027-06-30 2028-06-30 2029-06-30 2030-06-30'. A red circle highlights a 'Select Summary' button next to the 'Summary' link in the first row.



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6. Scroll to the right of the detail screen to view the following most commonly reserved columns for the time frame needed:
 - a. Pending SAFC/SATC = reflects the ST Firm AFC/ATC available (+)/unavailable (-) after all confirmed and pending requests are subtracted.
 - b. Pending RAFC6/RATC6 = reflects the Secondary Network/Non-Firm NT available (+)/unavailable (-) unencumbered capacity for Priority 6 Service (6-NN).
 - c. Pending RAFC2/RATC2 = reflects the Hourly Non-Firm PTP available (+)/unavailable (-) unencumbered capacity for Priority 2 Service (2-NH)
 - d. Pending RAFC1/RATC1 = reflects the Secondary Non-Firm Hourly PTP/Redirect from Firm to Non-Firm available (+)/unavailable (-) unencumbered capacity for Priority 1 Service (1-NH).

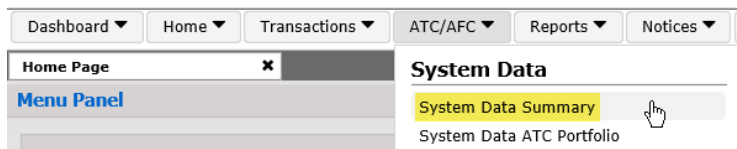
Initialization Impact Detail

Start	Stop	TFC	TRM	Pending SAFC	Pending RAFC6	Pending RAFC2	Pending RAFC1
2022-03-25	2022-03-25.01	6524.00		-2939.81	975.02	968.84	697.47
2022-03-25.01	2022-03-25.02	6524.00		-2939.64	534.41	528.24	97.67
2022-03-25.02	2022-03-25.03	6524.00		-2939.81	349.14	342.96	-87.82
2022-03-25.03	2022-03-25.04	6524.00		-2943.63	296.49	290.32	-141.42
2022-03-25.04	2022-03-25.05	6524.00		-2959.20	560.05	553.87	122.35
2022-03-25.05	2022-03-25.06	6524.00		-3046.29	936.57	930.40	635.19
2022-03-25.06	2022-03-25.07	6524.00		-2999.63	1247.60	1241.42	542.20
2022-03-25.07	2022-03-25.08	6524.00		-3019.49	1231.26	1225.08	493.69

C. OASIS System Data Summary


The results will provide a value that reflects transmission availability during the selected time range.

1. Access OASIS>ATC/AFC>System Data Summary.





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2. Filter for the following:
 - a. Provider: Select BPAT.
 - b. Element Type: ALL
 - c. System Element: Select path name.
 - d. Attribute: Select applicable attribute.
 - e. Time: Active.
 - f. Time Range: Enter time range for analysis scenario.
3. Click Apply icon 

D. Additional Analysis Tools

Access the [Transmission Availability webpage](#) for the additional tools available below:

1. Short-Term Original/Redirect Transmission Service Request Calculators.

The ST calculators are populated with results based off “All Lines In Service” ST PTDFs, ST *de minimis* (Section D) and ST evaluation matrix (Section C.9) of the [Transmission Service Requests \(TSR\) Evaluation Business Practice](#).
2. Long-Term Original/Redirect Transmission Inventory Maps.

The LT maps are populated with results based off the last completed Cluster Study Needs Assessment, “All Lines In Service” LT PTDFs, LT *de minimis* (Section B) and the LT evaluation matrix (Section A.4) of the [Transmission Service Requests \(TSR\) Evaluation Business Practice](#).