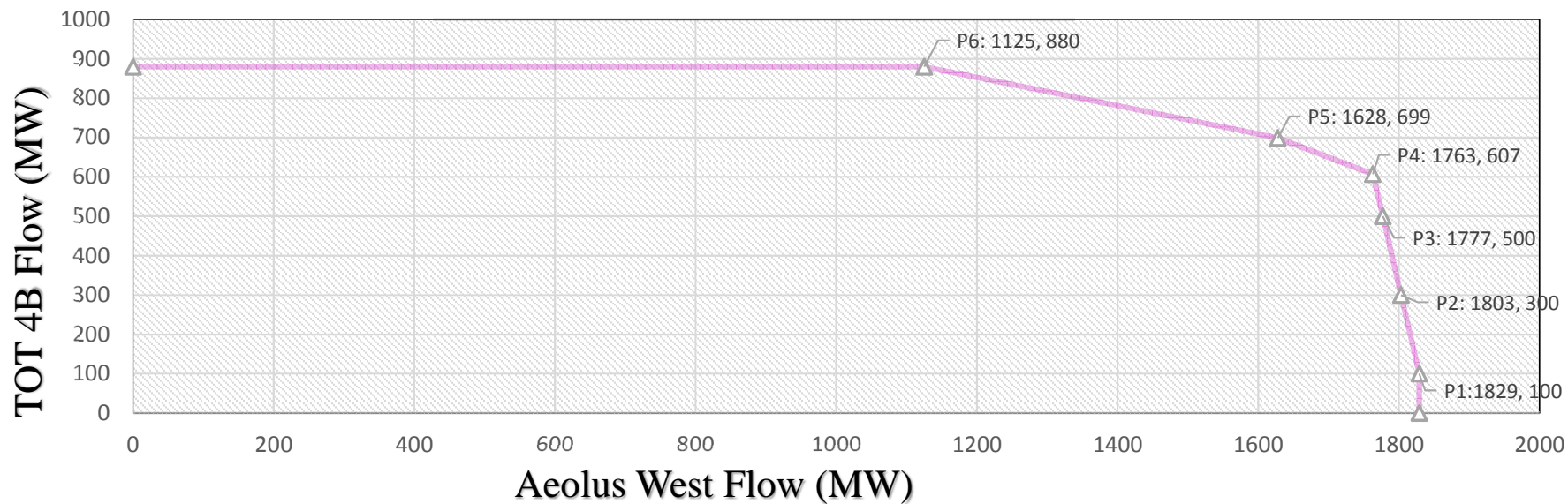


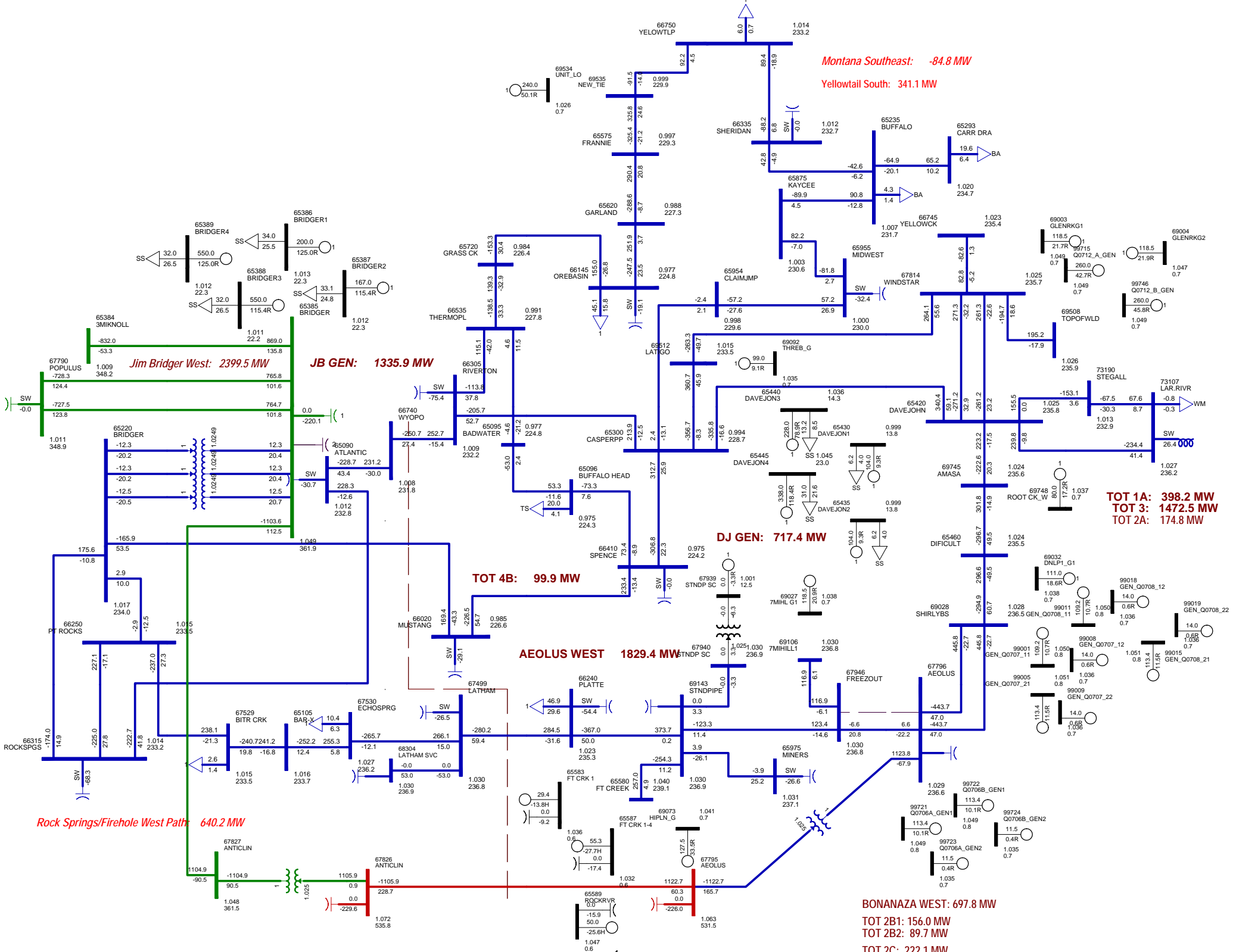
Appendix C

1. Aeolus West Vs TOT 4B Nomogram Plot
2. Power Flow Plots for various nomogram points

Wyoming System Operating Curve
2022 Heavy Winter Loads
Normal Open Point: Platte115 kV
Aeolus West Vs TOT 4B Nomogram



Nomogram Point 1
Aeolus West = 1829 MW
TOT 4B = 100 MW
Yellowtail South = 341 MW
TOT 1A = 398 MW
TOT 3 = 1472 MW
Dave Johnston Generation Gross = 717 MW
Jim Bridger Generation Gross = 1336 MW
Eastern Wyoming New Wind = 1270 MW
Eastern Wyoming Existing Wind = 1124 MW
Wyodak Generation Net = 138 MW
North Wyoming New Wind = 240 MW



Montana Southeast: -84.8 MW

Yellowtail South: 341.1 MW

Jim Bridger West: 2399.5 MW

JB GEN: 1335.9 MW

TOT 4B: 99.9 MW

AEOLUS WEST 1829.4 MW

DJ GEN: 717.4 MW

TOT 1A: 398.2 MW
 TOT 3: 1472.5 MW
 TOT 2A: 174.8 MW

Rock Springs/Firehole West Path 640.2 MW

BONANAZA WEST: 697.8 MW

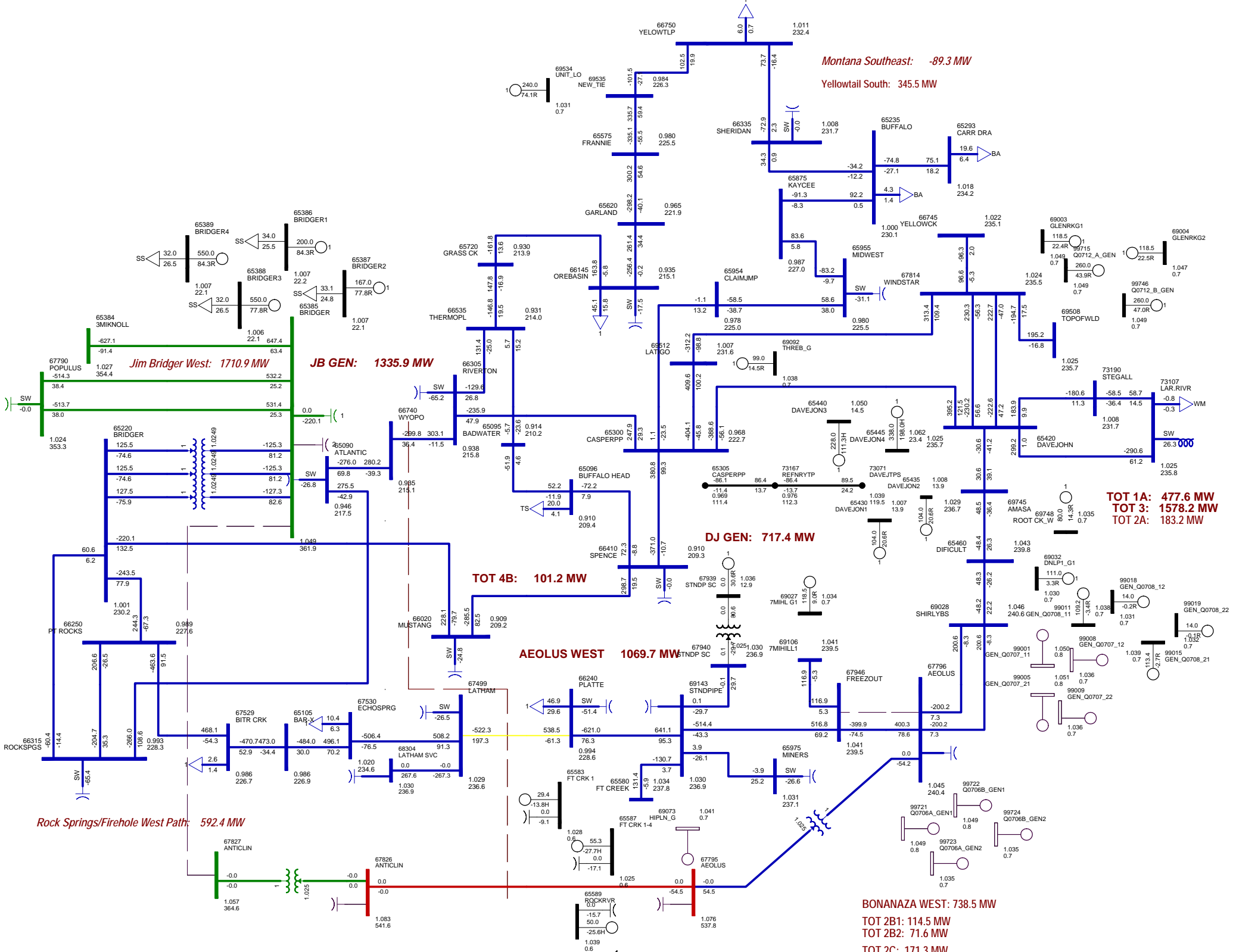
TOT 2B1: 156.0 MW

TOT 2B2: 89.7 MW

TOT 2C: 222.1 MW

Nomogram Point 1:

Aeolus-Anticline/Jim Bridger segment outage followed by Aelous RAS to drop 627.5 MW of generation



Montana Southeast: -89.3 MW

Yellowtail South: 345.5 MW

Jim Bridger West: 1710.9 MW

JB GEN: 1335.9 MW

TOT 4B: 101.2 MW

DJ GEN: 717.4 MW

AEOLUS WEST 1069.7 MW

TOT 1A: 477.6 MW
 TOT 3: 1578.2 MW
 TOT 2A: 183.2 MW

Rock Springs/Firehole West Path: 592.4 MW

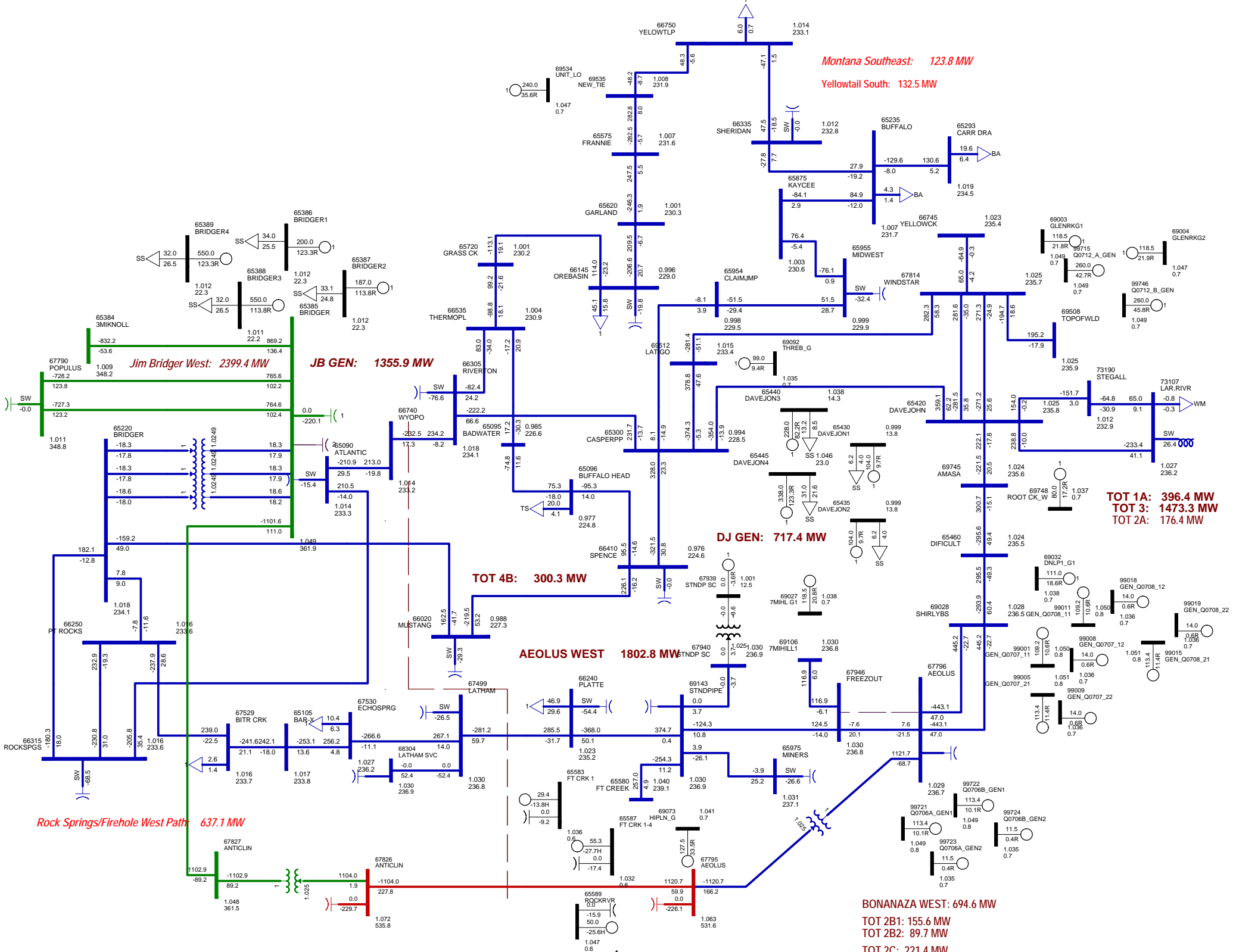
BONANAZA WEST: 738.5 MW

TOT 2B1: 114.5 MW

TOT 2B2: 71.6 MW

TOT 2C: 171.3 MW

Nomogram Point 2
Aeolus West = 1803 MW
TOT 4B = 300 MW
Yellowtail South = 132 MW
TOT 1A = 396 MW
TOT 3 = 1473 MW
Dave Johnston Generation Net = 717 MW
JimBridger Generation Net = 1401 MW
Eastern Wyoming New Wind = 1270 MW
Eastern Wyoming Existing Wind = 1124 MW
Wyodak Generation Net = 178 MW
North Wyoming New Wind = 240 MW



Montana Southeast: 123.8 MW

Yellowtail South: 132.5 MW

Jim Bridger West: 2399.4 MW

JB GEN: 1355.9 MW

TOT 4B: 300.3 MW

AEOLUS WEST 1802.8 MW

DJ GEN: 717.4 MW

TOT 1A: 396.4 MW
 TOT 3: 1473.3 MW
 TOT 2A: 176.4 MW

Rock Springs/Firehole West Path 637.1 MW

BONANAZA WEST: 694.6 MW

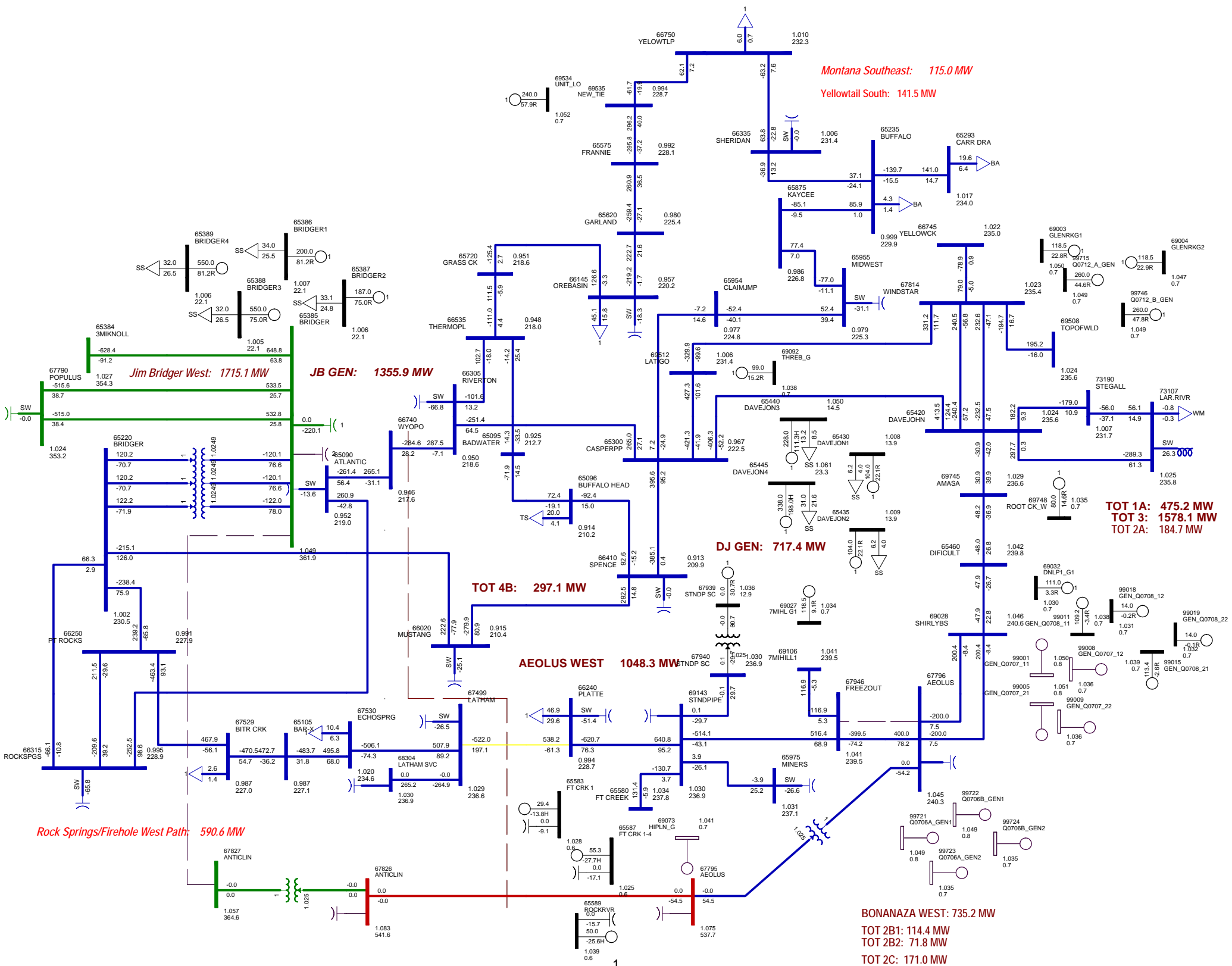
TOT 2B1: 155.6 MW

TOT 2B2: 89.7 MW

TOT 2C: 221.4 MW

Nomogram Point 2:

Aeolus-Anticline/Jim Bridger segment outage followed by Aelous RAS to drop 627.5 MW of generation



Montana Southeast: 115.0 MW

Yellowtail South: 141.5 MW

Jim Bridger West: 1715.1 MW

JB GEN: 1355.9 MW

TOT 4B: 297.1 MW

AEOLUS WEST 1048.3 MW

DJ GEN: 717.4 MW

TOT 1A: 475.2 MW
 TOT 3: 1578.1 MW
 TOT 2A: 184.7 MW

Rock Springs/Firehole West Path: 590.6 MW

BONANAZA WEST: 735.2 MW

TOT 2B1: 114.4 MW

TOT 2B2: 71.8 MW

TOT 2C: 171.0 MW

Nomogram Point 3

Aeolus West = 1777 MW

TOT 4B = 500 MW

Yellowtail South = -65 MW

TOT 1A = 397 MW

TOT 3 = 1474 MW

Dave Johnston Generation Net = 717 MW

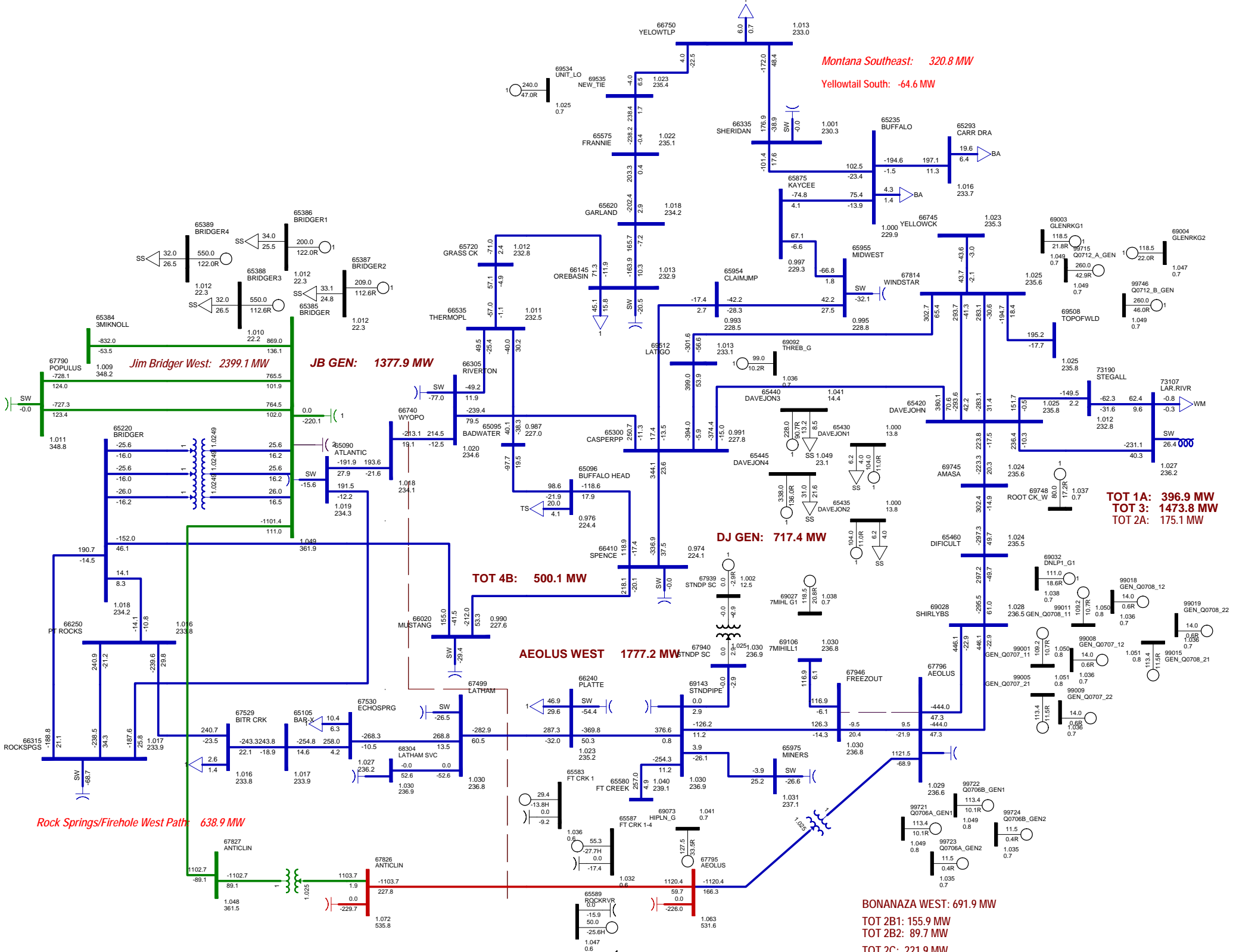
JimBridger Generation Net = 1378 MW

Eastern Wyoming New Wind = 1270 MW

Eastern Wyoming Existing Wind = 1124 MW

Wyodak Generation Net = 338 MW

North Wyoming New Wind = 240 MW



Montana Southeast: 320.8 MW

Yellowtail South: -64.6 MW

Jim Bridger West: 2399.1 MW

JB GEN: 1377.9 MW

TOT 4B: 500.1 MW

AEOLUS WEST 1777.2 MW

DJ GEN: 717.4 MW

TOT 1A: 396.9 MW
 TOT 3: 1473.8 MW
 TOT 2A: 175.1 MW

Rock Springs/Firehole West Path 638.9 MW

BONANAZA WEST: 691.9 MW

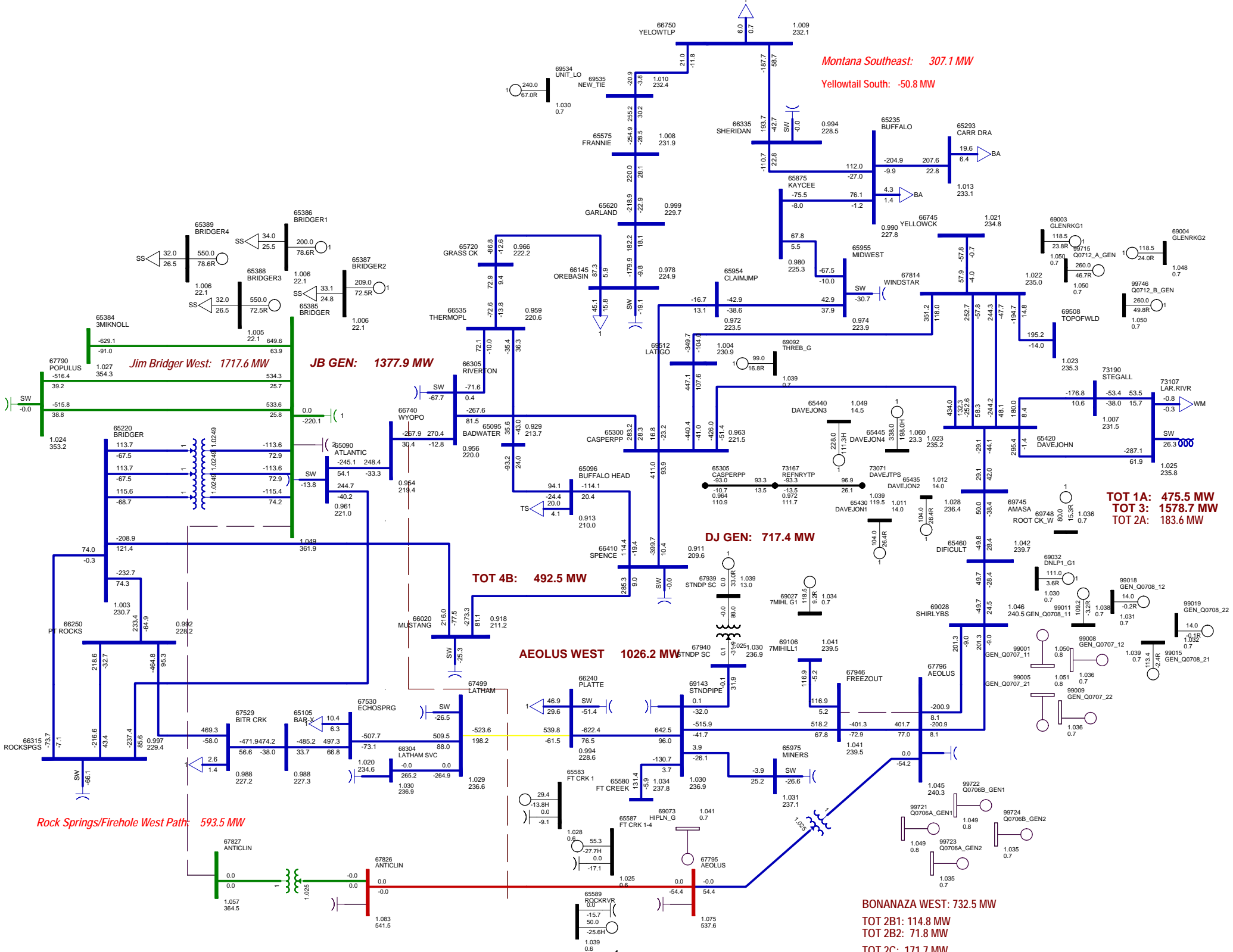
TOT 2B1: 155.9 MW

TOT 2B2: 89.7 MW

TOT 2C: 221.9 MW

Nomogram Point 3:

Aeolus-Anticline/Jim Bridger segment outage followed by Aelous RAS to drop 627.5 MW of generation



Montana Southeast: 307.1 MW

Yellowtail South: -50.8 MW

Jim Bridger West: 1717.6 MW

JB GEN: 1377.9 MW

TOT 4B: 492.5 MW

DJ GEN: 717.4 MW

AEOLUS WEST 1026.2 MW

TOT 1A: 475.5 MW
 TOT 3: 1578.7 MW
 TOT 2A: 183.6 MW

Rock Springs/Firehole West Path: 593.5 MW

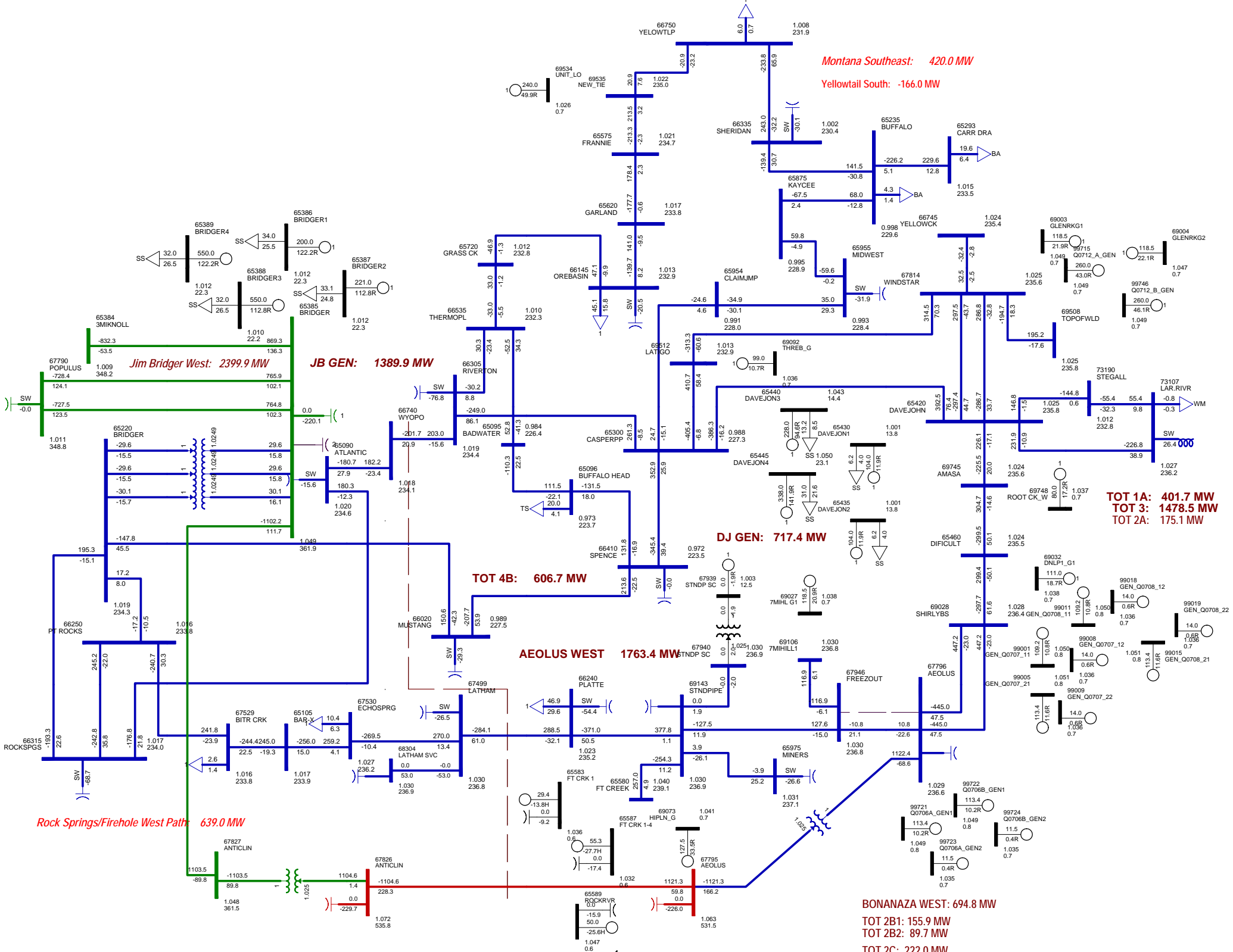
BONANAZA WEST: 732.5 MW

TOT 2B1: 114.8 MW

TOT 2B2: 71.8 MW

TOT 2C: 171.7 MW

Nomogram Point 4
Aeolus West = 1763 MW
TOT 4B = 607 MW
Yellowtail South = -166 MW
TOT 1A = 402 MW
TOT 3 = 1479 MW
Dave Johnston Generation Net = 717 MW
JimBridger Generation Net = 1390 MW
Eastern Wyoming New Wind = 1270 MW
Eastern Wyoming Existing Wind = 1124 MW
Wyodak Generation Net = 338 MW
North Wyoming New Wind = 240 MW



Jim Bridger West: 2399.9 MW

JB GEN: 1389.9 MW

TOT 4B: 606.7 MW

AEOLUS WEST 1763.4 MW

DJ GEN: 717.4 MW

Rock Springs/Firehole West Path 639.0 MW

Montana Southeast: 420.0 MW

Yellowtail South: -166.0 MW

TOT 1A: 401.7 MW
TOT 3: 1478.5 MW
TOT 2A: 175.1 MW

BONANAZA WEST: 694.8 MW

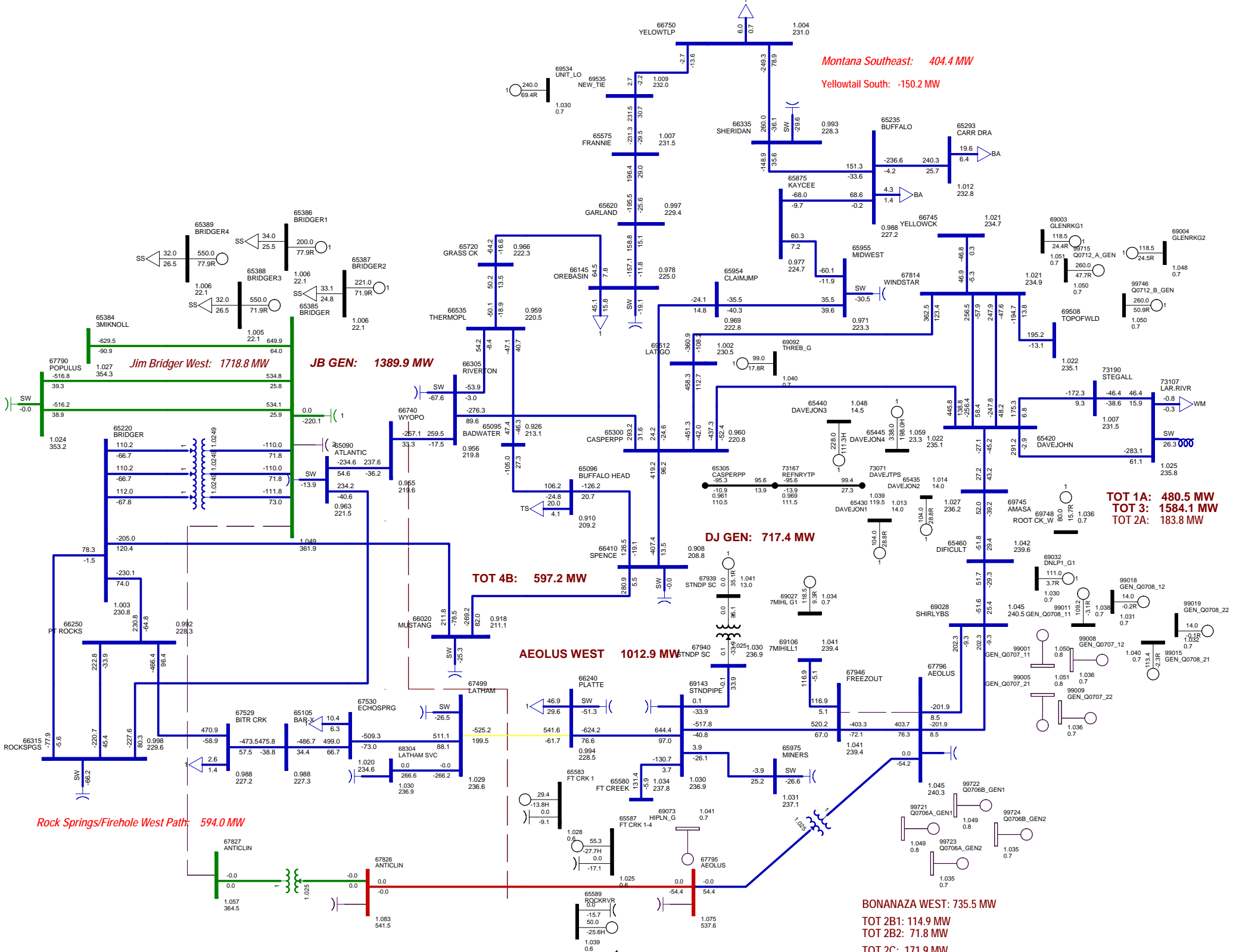
TOT 2B1: 155.9 MW

TOT 2B2: 89.7 MW

TOT 2C: 222.0 MW

Nomogram Point 4:

Aeolus-Anticline/Jim Bridger segment outage followed by Aelous RAS to drop 627.5 MW of generation



Montana Southeast: 404.4 MW

Yellowtail South: -150.2 MW

Jim Bridger West: 1718.8 MW

JB GEN: 1389.9 MW

TOT 4B: 597.2 MW

DJ GEN: 717.4 MW

AEOLUS WEST 1012.9 MW

TOT 1A: 480.5 MW
TOT 3: 1584.1 MW
TOT 2A: 183.8 MW

Rock Springs/Firehole West Path: 594.0 MW

BONANAZA WEST: 735.5 MW

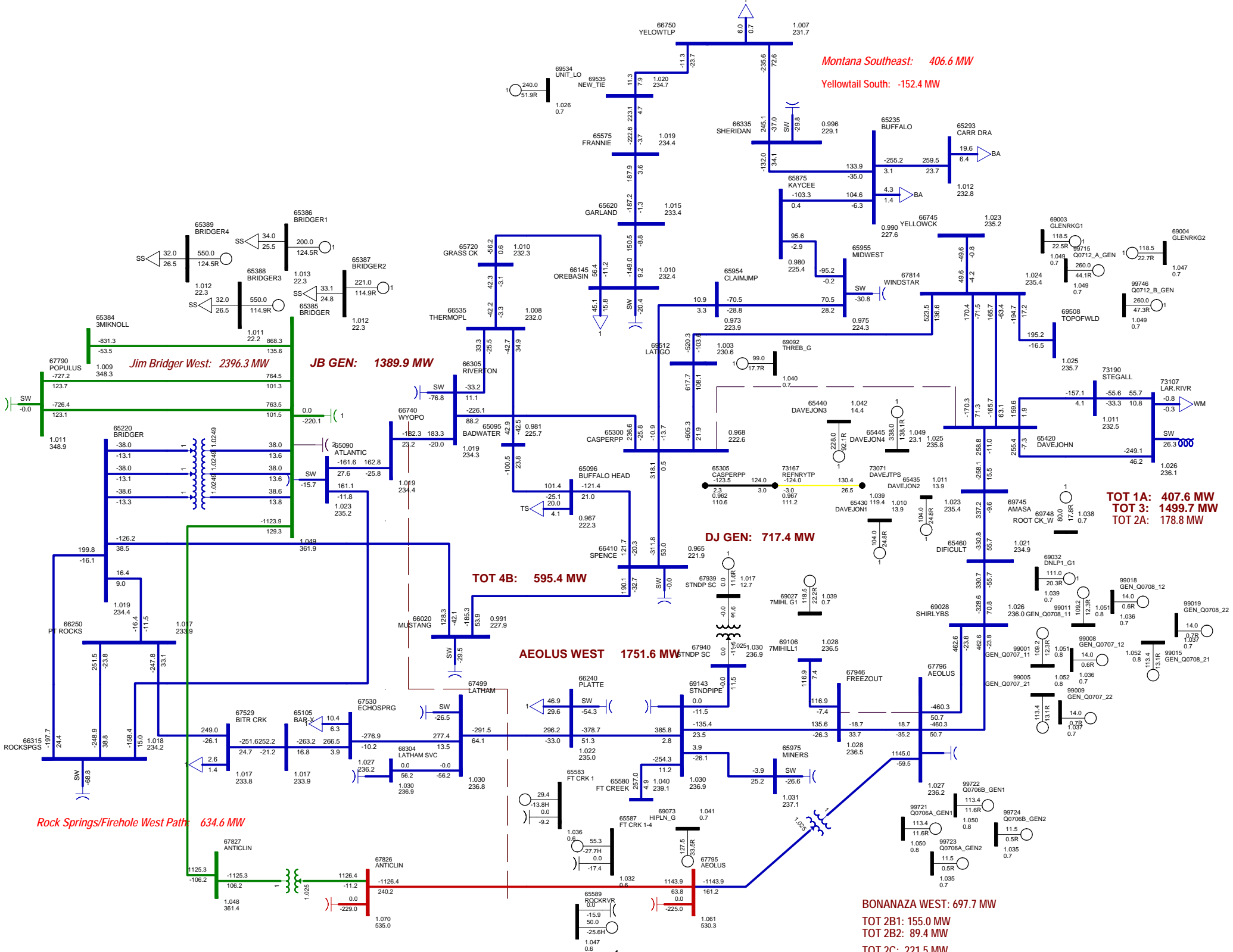
TOT 2B1: 114.9 MW

TOT 2B2: 71.8 MW

TOT 2C: 171.9 MW

Nomogram Point 4: (2 separate outage)

1. Casper 230 kV 1H4001 circuit breaker failure causing Casper - Dave Johnston 230 kV line outage and Casper 230/115 kV transformer outage or
2. Casper - Dave Johnston 230 kV line outage



Montana Southeast: 406.6 MW

Yellowtail South: -152.4 MW

Jim Bridger West: 2396.3 MW

JB GEN: 1389.9 MW

TOT 4B: 595.4 MW

DJ GEN: 717.4 MW

AEOLUS WEST 1751.6 MW

TOT 1A: 407.6 MW
 TOT 3: 1499.7 MW
 TOT 2A: 178.8 MW

Rock Springs/Firehole West Path 634.6 MW

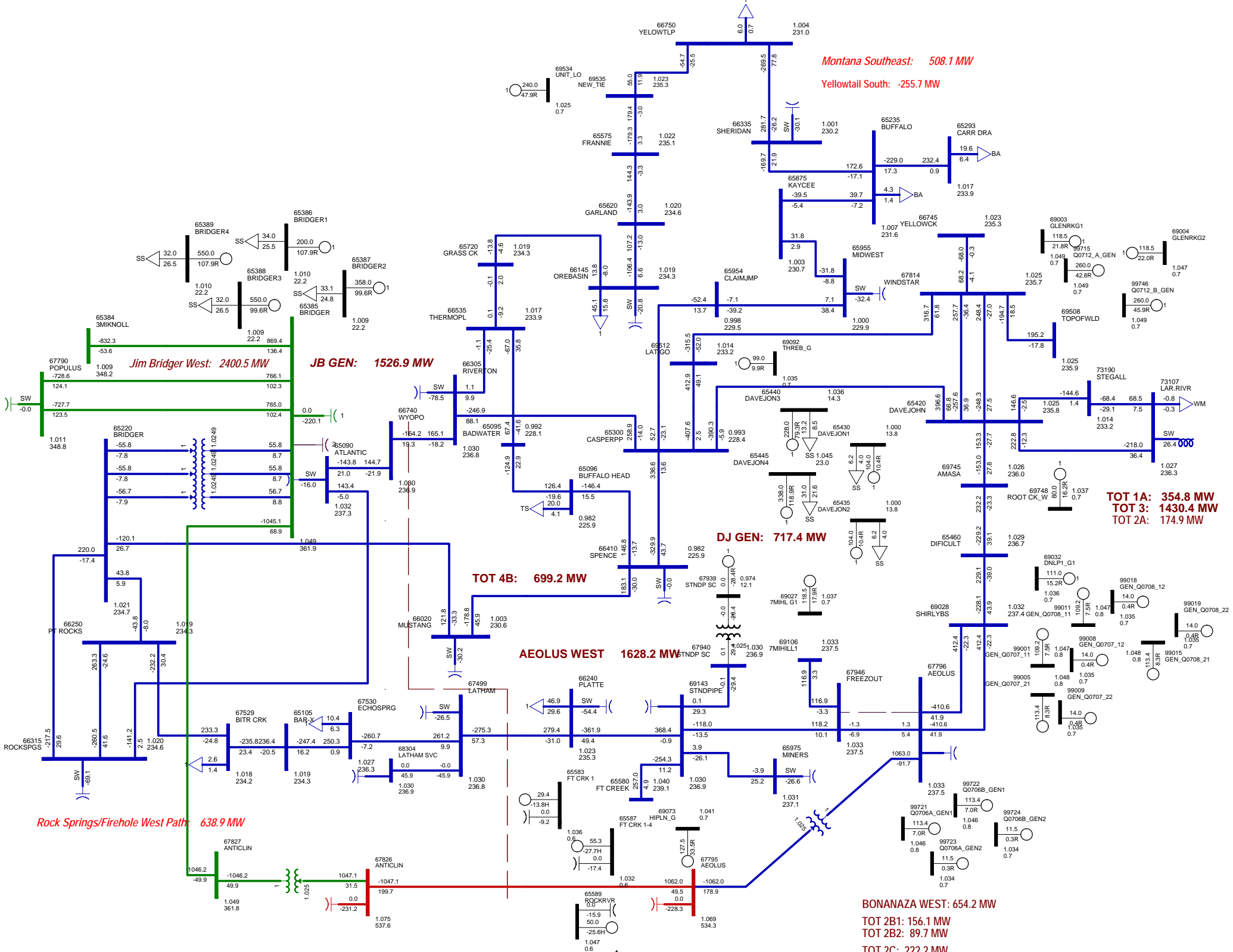
BONANAZA WEST: 697.7 MW

TOT 2B1: 155.0 MW

TOT 2B2: 89.4 MW

TOT 2C: 221.5 MW

Nomogram Point 5
Aeolus West = 1628 MW
TOT 4B = 699 MW
Yellowtail South = -256 MW
TOT 1A = 355 MW
TOT 3 = 1430 MW
Dave Johnston Generation Net = 717 MW
JimBridger Generation Net = 1527 MW
Eastern Wyoming New Wind = 1270 MW
Eastern Wyoming Existing Wind = 1124 MW
Wyodak Generation Net = 338 MW
North Wyoming New Wind = 240 MW



Jim Bridger West: 2400.5 MW

JB GEN: 1526.9 MW

TOT 4B: 699.2 MW

AEOLUS WEST 1628.2 MW

DJ GEN: 717.4 MW

Montana Southeast: 508.1 MW

Yellowtail South: -255.7 MW

TOT 1A: 354.8 MW
TOT 3: 1430.4 MW
TOT 2A: 174.9 MW

Rock Springs/Firehole West Path 638.9 MW

BONANAZA WEST: 654.2 MW

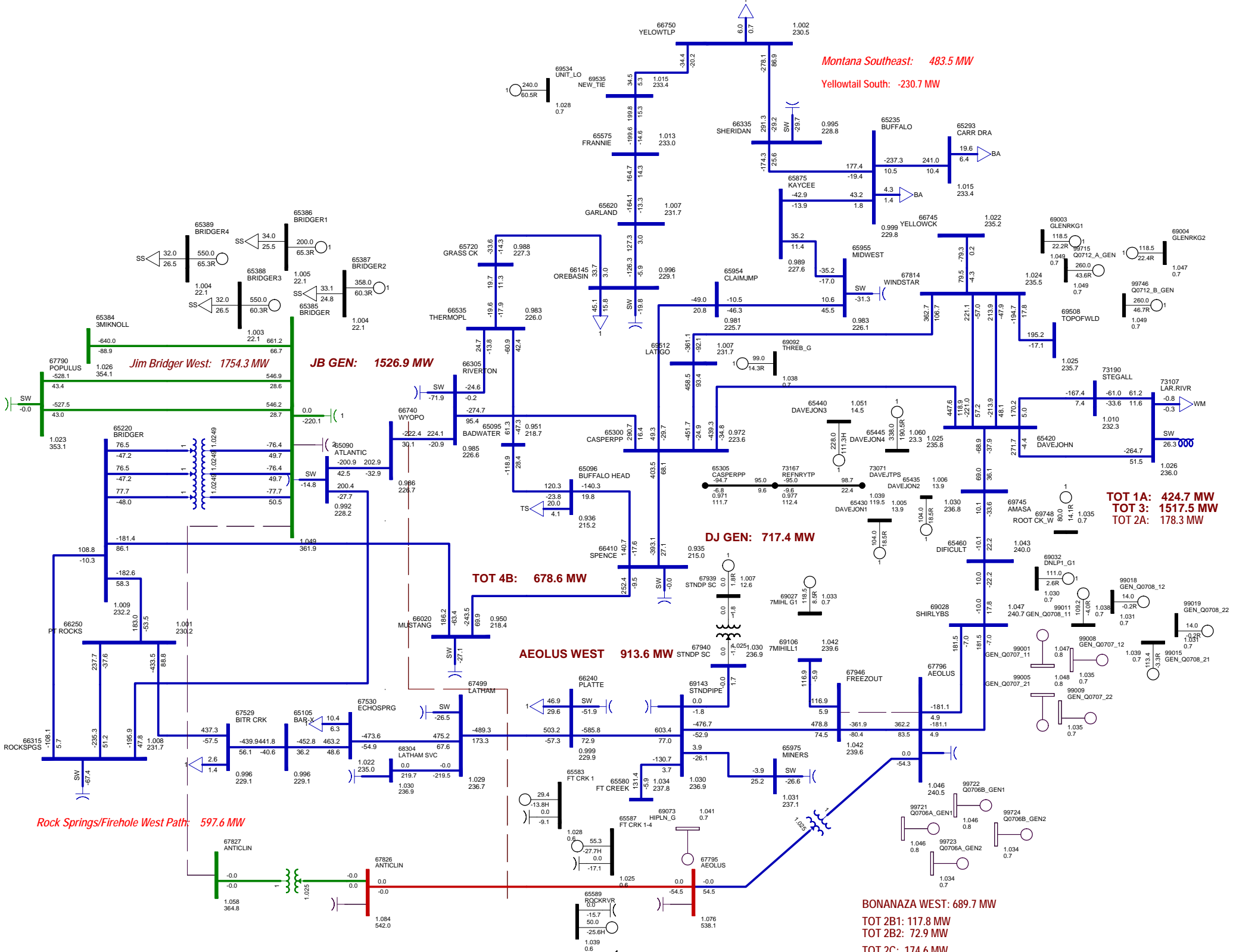
TOT 2B1: 156.1 MW

TOT 2B2: 89.7 MW

TOT 2C: 222.2 MW

Nomogram Point 5:

Aeolus-Anticline/Jim Bridger segment outage followed by Aelous RAS to drop 627.5 MW of generation



Montana Southeast: 483.5 MW

Yellowtail South: -230.7 MW

Jim Bridger West: 1754.3 MW

JB GEN: 1526.9 MW

TOT 4B: 678.6 MW

AEOLUS WEST 913.6 MW

DJ GEN: 717.4 MW

TOT 1A: 424.7 MW
 TOT 3: 1517.5 MW
 TOT 2A: 178.3 MW

Rock Springs/Firehole West Path: 597.6 MW

BONANAZA WEST: 689.7 MW

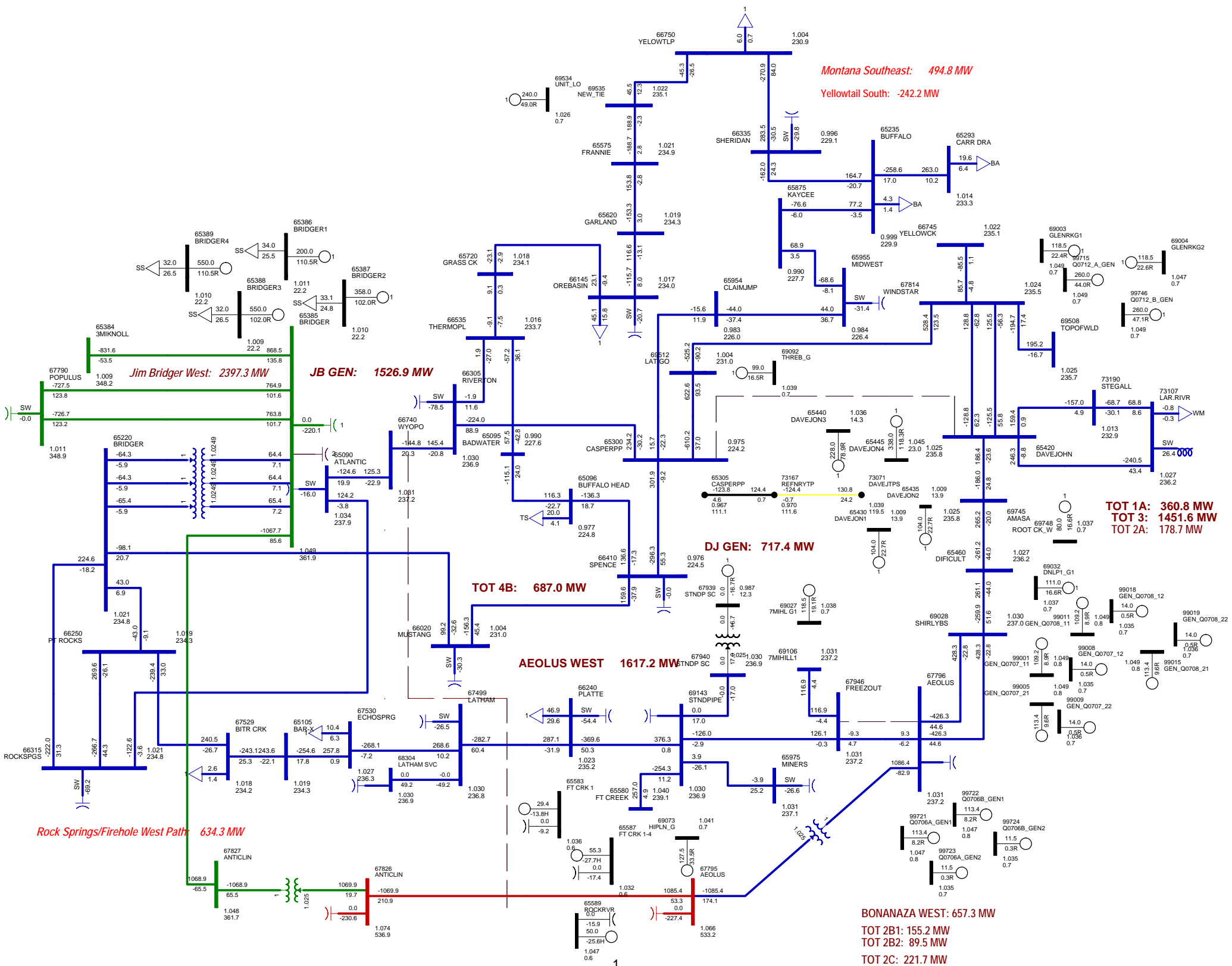
TOT 2B1: 117.8 MW

TOT 2B2: 72.9 MW

TOT 2C: 174.6 MW

Nomogram Point 5: (2 separate outage)

1. Casper 230 kV 1H4001 circuit breaker failure causing Casper - Dave Johnston 230 kV line outage and Casper 230/115 kV transformer outage or
2. Casper - Dave Johnston 230 kV line outage



Montana Southeast: 494.8 MW

Yellowtail South: -242.2 MW

Jim Bridger West: 2397.3 MW

JB GEN: 1526.9 MW

TOT 4B: 687.0 MW

DJ GEN: 717.4 MW

AEOLUS WEST 1617.2 MW

TOT 1A: 360.8 MW
 TOT 3: 1451.6 MW
 TOT 2A: 178.7 MW

Rock Springs/Firehole West Path 634.3 MW

BONANAZA WEST: 657.3 MW

TOT 2B1: 155.2 MW

TOT 2B2: 89.5 MW

TOT 2C: 221.7 MW

Nomogram Point 6

Aeolus West = 1125 MW

TOT 4B = 880 MW

Yellowtail South = -426 MW

TOT 1A = 186 MW

TOT 3 = 1252 MW

Dave Johnston Generation Net = 446 MW

JimBridger Generation Net = 1746 MW

Eastern Wyoming New Wind = 1270 MW

Eastern Wyoming Existing Wind = 1124 MW

Wyodak Generation Net = 97 MW

North Wyoming New Wind = 240 MW

