# TSW-LO CREST CONFIGURATION (Crest Elev. = 618 ft)

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | Powerhouse Flow (kcfs) 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | Spillway Flow (stops) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27.3 | 11.2 | 38.5 | 29.1% | 16.0 | 11.3 | | | | | TSW-LO | | | | | | | | 0 | Lowest possible w/ TSW-LO (Note 2) |
| 30.2 | 13.0 | 43.2 | 30.0% | 16.0 | 14.2 | | | | | TSW-LO | 1 | | | | | | | 1 | |
| 34.3 | 14.7 | 49.0 | 30.0% | 17.2 | 17.1 | | | | | TSW-LO | 1 | 1 | | | | | | 2 | |
| 38.6 | 16.5 | 55.1 | 29.9% | 16.0 | 11.3 | 11.3 | | | | TSW-LO | 1 | 1 | 1 | | | | | 3 | |
| 42.5 | 18.2 | 60.7 | 30.0% | 16.0 | 13.3 | 13.2 | | | | TSW-LO | 1 | 1 | 1 | 1 | | | | 4 | |
| 46.6 | 20.0 | 66.6 | 30.0% | 16.0 | 15.3 | 15.3 | | | | TSW-LO | 1 | 1 | 1 | 1 | 1 | | | 5 | |
| 50.6 | 21.7 | 72.3 | 30.0% | 16.9 | 16.9 | 16.8 | | | | TSW-LO | 1 | 1 | 1 | 1 | 1 | 1 | | 6 | |
| 54.7 | 23.5 | 78.2 | 30.0% | 16.0 | 12.4 | 12.4 | 13.9 | | | TSW-LO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | Likely lowest Qr w/ TSW-LO (Note 3) |
| 59.1 | 25.3 | 84.4 | 30.0% | 16.0 | 14.4 | 14.4 | 14.3 | | | TSW-LO | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | |
| 63.5 | 27.2 | 90.7 | 30.0% | 16.0 | 15.9 | 15.8 | 15.8 | | | TSW-LO | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 9 | |
| 67.9 | 29.1 | 97.0 | 30.0% | 17.0 | 17.0 | 17.0 | 16.9 | | | TSW-LO | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 10 | |
| 72.4 | 31.0 | 103.4 | 30.0% | 16.0 | 14.1 | 14.1 | 14.1 | 14.1 | | TSW-LO | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 11 | |
| 76.8 | 32.9 | 109.7 | 30.0% | 16.0 | 15.2 | 15.2 | 15.2 | 15.2 | | TSW-LO | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 12 | |
| 81.2 | 34.8 | 116.0 | 30.0% | 16.3 | 16.3 | 16.2 | 16.2 | 16.2 | | TSW-LO | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 13 | |
| 85.6 | 36.7 | 122.3 | 30.0% | 17.2 | 17.1 | 17.1 | 17.1 | 17.1 | | TSW-LO | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 14 | |
| 90.2 | 38.7 | 128.9 | 30.0% | 16.0 | 14.9 | 14.9 | 14.8 | 14.8 | 14.8 | TSW-LO | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 15 | |
| 94.9 | 40.7 | 135.6 | 30.0% | 16.0 | 15.8 | 15.8 | 15.8 | 15.8 | 15.7 | TSW-LO | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 16 | |
| 99.5 | 42.7 | 142.2 | 30.0% | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.5 | TSW-LO | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 17 | |
| 104.2 | 44.6 | 148.8 | 30.0% | 17.4 | 17.4 | 17.4 | 17.4 | 17.3 | 17.3 | TSW-LO | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 18 | |
| 108.8 | 46.6 | 155.4 | 30.0% | 17.5 | 17.5 | 17.5 | 18.8 | 18.8 | 18.7 | TSW-LO | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 19 | Max. PH capacity w/ Qs=30% (Note 4) |
| 109.2 | 48.6 | 157.8 | 30.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 20 | |
| 109.2 | 50.6 | 159.8 | 31.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 21 | |
| 109.2 | 52.6 | 161.8 | 32.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 22 | |
| 109.2 | 54.5 | 163.7 | 33.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 23 | |
| 109.2 | 56.5 | 165.7 | 34.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 24 | |
| 109.2 | 58.5 | 167.7 | 34.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 25 | |
| 109.2 | 60.4 | 169.6 | 35.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 26 | |
| 109.2 | 62.4 | 171.6 | 36.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 27 | |
| 109.2 | 64.3 | 173.5 | 37.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 | |
| 109.2 | 66.3 | 175.5 | 37.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 29 | |
| 109.2 | 68.2 | 177.4 | 38.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 30 | |
| 109.2 | 70.2 | 179.4 | 39.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 31 | |
| 109.2 | 72.1 | 181.3 | 39.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 32 | |
| 109.2 | 74.1 | 183.3 | 40.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 33 | |
| 109.2 | 76.0 | 185.2 | 41.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 34 | |
| 109.2 | 78.0 | 187.2 | 41.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 35 | |
| 109.2 | 79.9 | 189.1 | 42.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 36 | |
| 109.2 | 81.9 | 191.1 | 42.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 37 | |
| 109.2 | 83.8 | 193.0 | 43.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 38 | |
| 109.2 | 85.8 | 195.0 | 44.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 39 | |
| 109.2 | 87.7 | 196.9 | 44.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 40 | |

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 109.2 | 89.7 | 198.9 | 45.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 41 | |
| 109.2 | 91.6 | 200.8 | 45.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 42 | |
| 109.2 | 93.6 | 202.8 | 46.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 43 | |
| 109.2 | 95.5 | 204.7 | 46.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 44 | |
| 109.2 | 97.5 | 206.7 | 47.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 45 | |
| 109.2 | 99.4 | 208.6 | 47.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 46 | |
| 109.2 | 101.3 | 210.5 | 48.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 47 | |
| 109.2 | 103.3 | 212.5 | 48.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 48 | |
| 109.2 | 105.2 | 214.4 | 49.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 49 | |
| 109.2 | 107.2 | 216.4 | 49.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 50 | |
| 109.2 | 109.1 | 218.3 | 50.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 51 | |
| 109.2 | 111.1 | 220.3 | 50.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 52 | |
| 109.2 | 113.0 | 222.2 | 50.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 53 | |
| 109.2 | 115.0 | 224.2 | 51.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 54 | |
| 109.2 | 116.9 | 226.1 | 51.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 55 | |
| 109.2 | 118.9 | 228.1 | 52.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 56 | |
| 109.2 | 120.8 | 230.0 | 52.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 57 | |
| 109.2 | 122.7 | 231.9 | 52.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 58 | |
| 109.2 | 124.6 | 233.8 | 53.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 59 | |
| 109.2 | 126.5 | 235.7 | 53.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 60 | |
| 109.2 | 128.5 | 237.7 | 54.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 61 | |
| 109.2 | 130.4 | 239.6 | 54.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 62 | |
| 109.2 | 132.3 | 241.5 | 54.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 63 | |
| 109.2 | 134.3 | 243.5 | 55.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 64 | |
| 109.2 | 136.3 | 245.5 | 55.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 65 | |
| 109.2 | 138.3 | 247.5 | 55.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 66 | |
| 109.2 | 140.3 | 249.5 | 56.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 67 | |
| 109.2 | 142.3 | 251.5 | 56.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 68 | |
| 109.2 | 144.3 | 253.5 | 56.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 69 | |
| 109.2 | 146.3 | 255.5 | 57.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-LO | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 | |

Note 1: Unit 1 operation is manually restricted to operate between 115 - 125 MW, which is approximately 16.0 - 17.5 kcfs. Assume Unit 1 will be at the lower end of this range if other units are operating at discharges lower than 16.0 kcfs. Assume other operating units will be operated approximately uniformly, within constraints of normal 1% operation (Units 4-6 are different than Units 1-3). When average unit discharge is higher than 16.0 kcfs, assume all units will operate uniformly, again given different 1% range for Units 4-6. For low river discharges, with only one unit operating, Unit 1 may operate at less than 16 kcfs.

Note 2: For river discharges less than this value, the TSW will be closed, and the remaining spill bays will be used, following the uniform spill pattern (see separate table).

Note 3: The spring fish passage season will start with TSW-LO in place, even if river discharges are less than 75 kcfs. After the spring freshet has passed, and river discharge falls below 75 kcfs for three days in a row, and forecasts indicate continuring lower river discharges, the TSW-HI will be installed for the remainder of the summer fish passage season, even if river discharges subsequently increase above 75 kcfs, unless coordinated differently with regional fish managers.

Note 4: Above this river discharge, involuntary spill will force a spill ratio higher than 30%.

# TSW-HI CREST CONFIGURATION (Crest Elev. = 622 ft)

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | Powerhouse Flow (kcfs) 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | Spillway Flow (stops) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.7 | 7.2 | 23.9 | 30.0% | 16.7 | | | | | | TSW-HI | | | | | | | | 0 | Lowest Qr possible w/ TSW-HI (Note 2) |
| 17.5 | 7.2 | 24.7 | 29.0% | 17.5 | | | | | | TSW-HI | | | | | | | | 0 | |
| 17.5 | 8.9 | 26.4 | 33.7% | 17.5 | | | | | | TSW-HI | 1 | | | | | | | 1 | 1 unit, 1 stop, Qs~34% |
| 27.3 | 8.9 | 36.2 | 24.6% | 16.0 | 11.3 | | | | | TSW-HI | 1 | | | | | | | 1 | 2 units, 1 stop, Qs~25% |
| 27.3 | 10.7 | 38.0 | 28.1% | 16.0 | 11.3 | | | | | TSW-HI | 1 | 1 | | | | | | 2 | |
| 28.9 | 12.4 | 41.3 | 30.0% | 16.0 | 12.9 | | | | | TSW-HI | 1 | 1 | 1 | | | | | 3 | |
| 33.0 | 14.2 | 47.2 | 30.0% | 16.5 | 16.5 | | | | | TSW-HI | 1 | 1 | 1 | 1 | | | | 4 | |
| 35.0 | 15.9 | 50.9 | 31.2% | 17.5 | 17.5 | | | | | TSW-HI | 1 | 1 | 1 | 1 | 1 | | | 5 | 2 units, 5 stops, Qs~31% |
| 38.6 | 15.9 | 54.5 | 29.2% | 16.0 | 11.3 | 11.3 | | | | TSW-HI | 1 | 1 | 1 | 1 | 1 | | | 5 | 3 units, 5 stops, Qs~29% |
| 41.2 | 17.7 | 58.9 | 30.0% | 16.0 | 12.6 | 12.6 | | | | TSW-HI | 1 | 1 | 1 | 1 | 1 | 1 | | 6 | |
| 45.3 | 19.4 | 64.7 | 30.0% | 16.0 | 14.7 | 14.6 | | | | TSW-HI | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | |
| 49.7 | 21.3 | 71.0 | 30.0% | 16.6 | 16.6 | 16.5 | | | | TSW-HI | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | |
| 54.1 | 23.2 | 77.3 | 30.0% | 16.0 | 12.1 | 12.1 | 13.9 | | | TSW-HI | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 9 | Likely highest Qr w/ TSW-HI (Note 3) |
| 58.5 | 25.1 | 83.6 | 30.0% | 16.0 | 14.2 | 14.2 | 14.1 | | | TSW-HI | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 10 | |
| 62.9 | 27.0 | 89.9 | 30.0% | 16.0 | 15.7 | 15.6 | 15.6 | | | TSW-HI | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 11 | |
| 67.3 | 28.9 | 96.2 | 30.0% | 16.9 | 16.8 | 16.8 | 16.8 | | | TSW-HI | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 12 | |
| 71.7 | 30.7 | 102.4 | 30.0% | 16.0 | 14.0 | 13.9 | 13.9 | 13.9 | | TSW-HI | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 13 | |
| 76.1 | 32.6 | 108.7 | 30.0% | 16.0 | 15.1 | 15.0 | 15.0 | 15.0 | | TSW-HI | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 14 | |
| 80.8 | 34.6 | 115.4 | 30.0% | 16.2 | 16.2 | 16.2 | 16.1 | 16.1 | | TSW-HI | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 15 | |
| 85.4 | 36.6 | 122.0 | 30.0% | 17.1 | 17.1 | 17.1 | 17.1 | 17.0 | | TSW-HI | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 16 | |
| 90.1 | 38.6 | 128.7 | 30.0% | 16.0 | 14.9 | 14.8 | 14.8 | 14.8 | 14.8 | TSW-HI | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 17 | |
| 94.7 | 40.6 | 135.3 | 30.0% | 16.0 | 15.8 | 15.8 | 15.7 | 15.7 | 15.7 | TSW-HI | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 18 | |
| 99.4 | 42.6 | 142.0 | 30.0% | 16.6 | 16.6 | 16.6 | 16.6 | 16.5 | 16.5 | TSW-HI | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 19 | |
| 104.0 | 44.6 | 148.6 | 30.0% | 17.4 | 17.4 | 17.3 | 17.3 | 17.3 | 17.3 | TSW-HI | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 20 | |
| 108.6 | 46.6 | 155.2 | 30.0% | 17.5 | 17.5 | 17.5 | 18.7 | 18.7 | 18.7 | TSW-HI | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 21 | Max. PH capacity w/ Qs=30% (Note 4) |
| 109.2 | 48.5 | 157.7 | 30.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 22 | |
| 109.2 | 50.5 | 159.7 | 31.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 23 | |
| 109.2 | 52.4 | 161.6 | 32.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 24 | |
| 109.2 | 54.4 | 163.6 | 33.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 25 | |
| 109.2 | 56.4 | 165.6 | 34.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 26 | |
| 109.2 | 58.3 | 167.5 | 34.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 27 | |
| 109.2 | 60.3 | 169.5 | 35.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 | |
| 109.2 | 62.2 | 171.4 | 36.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 29 | |
| 109.2 | 64.2 | 173.4 | 37.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 30 | |
| 109.2 | 66.1 | 175.3 | 37.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 31 | |
| 109.2 | 68.1 | 177.3 | 38.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 32 | |
| 109.2 | 70.0 | 179.2 | 39.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 33 | |
| 109.2 | 72.0 | 181.2 | 39.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 34 | |
| 109.2 | 73.9 | 183.1 | 40.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 35 | |
| 109.2 | 75.9 | 185.1 | 41.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 36 | |
| 109.2 | 77.8 | 187.0 | 41.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 37 | |

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 109.2 | 79.8 | 189.0 | 42.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 38 | |
| 109.2 | 81.7 | 190.9 | 42.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 39 | |
| 109.2 | 83.7 | 192.9 | 43.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 40 | |
| 109.2 | 85.6 | 194.8 | 44.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 41 | |
| 109.2 | 87.6 | 196.8 | 44.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 42 | |
| 109.2 | 89.5 | 198.7 | 45.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 43 | |
| 109.2 | 91.5 | 200.7 | 45.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 44 | |
| 109.2 | 93.4 | 202.6 | 46.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 45 | |
| 109.2 | 95.3 | 204.5 | 46.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 46 | |
| 109.2 | 97.3 | 206.5 | 47.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 47 | |
| 109.2 | 99.2 | 208.4 | 47.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 48 | |
| 109.2 | 101.2 | 210.4 | 48.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 49 | |
| 109.2 | 103.1 | 212.3 | 48.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 50 | |
| 109.2 | 105.1 | 214.3 | 49.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 51 | |
| 109.2 | 107.0 | 216.2 | 49.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 52 | |
| 109.2 | 109.0 | 218.2 | 49.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 53 | |
| 109.2 | 110.9 | 220.1 | 50.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 54 | |
| 109.2 | 112.9 | 222.1 | 50.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 55 | |
| 109.2 | 114.8 | 224.0 | 51.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 56 | |
| 109.2 | 116.7 | 225.9 | 51.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 57 | |
| 109.2 | 118.7 | 227.9 | 52.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 58 | |
| 109.2 | 120.6 | 229.8 | 52.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 59 | |
| 109.2 | 122.5 | 231.7 | 52.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 60 | |
| 109.2 | 124.4 | 233.6 | 53.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 61 | |
| 109.2 | 126.3 | 235.5 | 53.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 62 | |
| 109.2 | 128.3 | 237.5 | 54.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 63 | |
| 109.2 | 130.3 | 239.5 | 54.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 64 | |
| 109.2 | 132.3 | 241.5 | 54.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 65 | |
| 109.2 | 134.3 | 243.5 | 55.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 66 | |
| 109.2 | 136.3 | 245.5 | 55.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 67 | |
| 109.2 | 138.3 | 247.5 | 55.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 68 | |
| 109.2 | 140.3 | 249.5 | 56.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 69 | |
| 109.2 | 142.3 | 251.5 | 56.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | TSW-HI | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 | |

Note 1: Unit 1 operation is manually restricted to operate between 115 - 125 MW, which is approximately 16.0 - 17.5 kcfs. Assume Unit 1 will be at the lower end of this range if other units are operating at discharges lower than 16.0 kcfs. Assume other operating units will be operated approximately uniformly, within constraints of normal 1% operation (Units 4-6 are different than Units 1-3). When average unit discharge is higher than 16.0 kcfs, assume all units will operate uniformly, again given different 1% range for Units 4-6. For low river discharges, with only one unit operating, Unit 1 may operate at less than 16 kcfs.

Note 2: For river discharges less than this value, the TSW will be closed, and the remaining spill bays will be used, following the uniform spill pattern (see separate table).

Note 3: TSW-HI will be installed after river discharge falls below 75 kcfs for three days in a row, and forecasts indicate continuing lower river discharges, or as coordinated with regional fish managers, and will remain in place for the rest of the season, even if river discharges subsequently increase above 75 kcfs.

Note 4: Above this river discharge, involuntary spill will force a spill ratio higher than 30%.

# UNIFORM SPILL CONFIGURATION (NO TSW)

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | Powerhouse Flow (kcfs) 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | Spillway Flow (stops) 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.3 | 0.0 | 11.3 | 0.0% | 11.3 | | | | | | No TSW | | | | | | | | 0 | No spill |
| 11.3 | 1.8 | 13.1 | 13.4% | 11.3 | | | | | | No TSW | 1 | | | | | | | 1 | |
| 11.3 | 3.5 | 14.8 | 23.6% | 11.3 | | | | | | No TSW | 1 | 1 | | | | | | 2 | |
| 12.3 | 5.3 | 17.5 | 30.0% | 12.3 | | | | | | No TSW | 1 | 1 | 1 | | | | | 3 | Lowest Qr possible w/ 30% spill and no TSW (Note 2) |
| 16.3 | 7.0 | 23.3 | 30.0% | 16.3 | | | | | | No TSW | 1 | 1 | 1 | 1 | | | | 4 | |
| 17.5 | 8.8 | 26.3 | 33.3% | 17.5 | | | | | | No TSW | 1 | 1 | 1 | 1 | 1 | | | 5 | 1 unit, 5 stops, Qs~33% |
| 27.3 | 8.8 | 36.1 | 24.3% | 16.0 | 11.3 | | | | | No TSW | 1 | 1 | 1 | 1 | 1 | | | 5 | 2 units, 5 stops, Qs~24% |
| 27.3 | 10.5 | 37.8 | 27.8% | 16.0 | 11.3 | | | | | No TSW | 1 | 1 | 1 | 1 | 1 | 1 | | 6 | |
| 28.6 | 12.3 | 40.9 | 30.0% | 16.0 | 12.6 | | | | | No TSW | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | |
| 33.0 | 14.1 | 47.1 | 30.0% | 16.5 | 16.5 | | | | | No TSW | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 8 | |
| 35.0 | 16.0 | 51.0 | 31.4% | 17.5 | 17.5 | | | | | No TSW | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 9 | 2 units, 9 stops, Qs~31% |
| 38.6 | 16.0 | 54.6 | 29.3% | 16.0 | 11.3 | 11.3 | | | | No TSW | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 9 | 3 units, 9 stops, Qs~29% |
| 41.8 | 17.9 | 59.7 | 30.0% | 16.0 | 12.9 | 12.9 | | | | No TSW | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 10 | |
| 46.2 | 19.8 | 66.0 | 30.0% | 16.0 | 15.1 | 15.1 | | | | No TSW | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 11 | |
| 50.6 | 21.7 | 72.3 | 30.0% | 16.9 | 16.9 | 16.8 | | | | No TSW | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 12 | |
| 55.0 | 23.6 | 78.6 | 30.0% | 16.0 | 12.6 | 12.5 | 13.9 | | | No TSW | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 13 | |
| 59.5 | 25.5 | 85.0 | 30.0% | 16.0 | 14.5 | 14.5 | 14.5 | | | No TSW | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 14 | |
| 64.1 | 27.5 | 91.6 | 30.0% | 16.1 | 16.0 | 16.0 | 16.0 | | | No TSW | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 15 | |
| 68.7 | 29.5 | 98.2 | 30.0% | 17.2 | 17.2 | 17.2 | 17.1 | | | No TSW | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 16 | |
| 73.4 | 31.5 | 104.9 | 30.0% | 16.0 | 14.4 | 14.4 | 14.3 | 14.3 | | No TSW | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 17 | |
| 78.0 | 33.4 | 111.4 | 30.0% | 16.0 | 15.5 | 15.5 | 15.5 | 15.5 | | No TSW | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 18 | |
| 82.7 | 35.4 | 118.1 | 30.0% | 16.6 | 16.6 | 16.5 | 16.5 | 16.5 | | No TSW | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 19 | |
| 87.3 | 37.4 | 124.7 | 30.0% | 17.5 | 17.5 | 17.5 | 17.4 | 17.4 | | No TSW | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 20 | |
| 92.0 | 39.4 | 131.4 | 30.0% | 16.0 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | No TSW | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 21 | |
| 96.5 | 41.4 | 137.9 | 30.0% | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.0 | No TSW | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 22 | |
| 101.1 | 43.3 | 144.4 | 30.0% | 16.9 | 16.9 | 16.9 | 16.8 | 16.8 | 16.8 | No TSW | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 23 | |
| 105.7 | 45.3 | 151.0 | 30.0% | 17.5 | 17.5 | 17.5 | 17.8 | 17.7 | 17.7 | No TSW | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 24 | |
| 109.2 | 47.3 | 156.5 | 30.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 25 | Max. PH capacity w/ Qs=30% (Note 3) |
| 109.2 | 49.2 | 158.4 | 31.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 26 | |
| 109.2 | 51.2 | 160.4 | 31.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 27 | |
| 109.2 | 53.1 | 162.3 | 32.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 28 | |
| 109.2 | 55.1 | 164.3 | 33.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 29 | |
| 109.2 | 57.0 | 166.2 | 34.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 30 | |
| 109.2 | 59.0 | 168.2 | 35.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 31 | |
| 109.2 | 60.9 | 170.1 | 35.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 32 | |
| 109.2 | 62.9 | 172.1 | 36.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 33 | |
| 109.2 | 64.8 | 174.0 | 37.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 34 | |
| 109.2 | 66.8 | 176.0 | 37.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 35 | |
| 109.2 | 68.7 | 177.9 | 38.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 36 | |
| 109.2 | 70.7 | 179.9 | 39.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 5 | 5 | 5 | 5 | 5 | 37 | |
| 109.2 | 72.6 | 181.8 | 39.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 38 | |

| PH (kcfs) | Spill (kcfs) | Calc River (kcfs) | Percent Spill | 1 (Note 1) | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total Stops TS* | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 109.2 | 74.6 | 183.8 | 40.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 39 | |
| 109.2 | 76.5 | 185.7 | 41.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 40 | |
| 109.2 | 78.5 | 187.7 | 41.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 41 | |
| 109.2 | 80.4 | 189.6 | 42.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 42 | |
| 109.2 | 82.4 | 191.6 | 43.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 43 | |
| 109.2 | 84.3 | 193.5 | 43.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 44 | |
| 109.2 | 86.3 | 195.5 | 44.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 45 | |
| 109.2 | 88.2 | 197.4 | 44.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 46 | |
| 109.2 | 90.1 | 199.3 | 45.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 47 | |
| 109.2 | 92.1 | 201.3 | 45.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 48 | |
| 109.2 | 94.0 | 203.2 | 46.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 49 | |
| 109.2 | 96.0 | 205.2 | 46.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 50 | |
| 109.2 | 97.9 | 207.1 | 47.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 51 | |
| 109.2 | 99.9 | 209.1 | 47.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 52 | |
| 109.2 | 101.8 | 211.0 | 48.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 53 | |
| 109.2 | 103.8 | 213.0 | 48.7% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 54 | |
| 109.2 | 105.7 | 214.9 | 49.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 55 | |
| 109.2 | 107.7 | 216.9 | 49.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 56 | |
| 109.2 | 109.6 | 218.8 | 50.1% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 57 | |
| 109.2 | 111.5 | 220.7 | 50.5% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 58 | |
| 109.2 | 113.4 | 222.6 | 50.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 59 | |
| 109.2 | 115.3 | 224.5 | 51.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 60 | |
| 109.2 | 117.3 | 226.5 | 51.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 61 | |
| 109.2 | 119.2 | 228.4 | 52.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 62 | |
| 109.2 | 121.1 | 230.3 | 52.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 63 | |
| 109.2 | 123.1 | 232.3 | 53.0% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 64 | |
| 109.2 | 125.1 | 234.3 | 53.4% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 65 | |
| 109.2 | 127.1 | 236.3 | 53.8% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 66 | |
| 109.2 | 129.1 | 238.3 | 54.2% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 67 | |
| 109.2 | 131.1 | 240.3 | 54.6% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 68 | |
| 109.2 | 133.1 | 242.3 | 54.9% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 69 | |
| 109.2 | 135.1 | 244.3 | 55.3% | 17.5 | 17.5 | 17.5 | 18.9 | 18.9 | 18.9 | No TSW | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 70 | |

Note 1: Unit 1 operation is manually restricted to operate between 115 - 125 MW, which is approximately 16.0 - 17.5 kcfs. Assume Unit 1 will be at the lower end of this range if other units are operating at discharges lower than 16.0 kcfs. Assume other operating units will be operated approximately uniformly, within constraints of normal 1% operation (Units 4-6 are different than Units 1-3). When average unit discharge is higher than 16.0 kcfs, assume all units will operate uniformly, again given different 1% range for Units 4-6. For low river discharges, with only one unit operating, Unit 1 may operate at less than 16 kcfs.

Note 2: For river discharges less than this value, additional spill bays will be closed, Unit 1 will operate at the lower end of the 1% efficiency range, and the spill ratio will be less than 30%.

Note 3: Above this river discharge, involuntary spill will force a spill ratio higher than 30%.

Note 4: This uniform spill pattern, with no TSW operating, will be used when river discharges are too low to maintain a 30% spill ratio with a TSW operating, or as an alternate pattern when the TSW must be closed for any reason, such as when switching from TSW-LO to TSW-HI.