

| General Assumptions                     |                              |                              |
|---|------------------------------|------------------------------|
| Model Configuration                     |                              |                              |
| Model Scenario:                         | Base Case                    | RP081514A                    |
| Water Balance/Operations Model Version: | 1.21.2                       | 1.21.2                       |
| Scenario Run Date:                      | 8/20/2014                    | 8/20/2014                    |
| Level of Development?                   | Present Level of Development | Present Level of Development |
| Narrows 1/2 Preference?                 | Narrows 1                    | Narrows 1                    |
| Slate Creek Operations?                 | Historical Flows             | Historical Flows             |
| Basis of Hydrologic Index Calculation?  | Bulletin 120                 | Bulletin 120                 |
| Groundwater Substitution Transfers?     | No                           | No                           |
| Use Weekly Power Generation Factors?    | No                           | No                           |
| Temperature Model Run Date?             | 4/10/2014                    |                              |
| Date printed:                           | 10/10/2014                   | 10/10/2014                   |

| Minimum Flow Requirement Assumptions                  |                       |                       |
|---|-----------------------|-----------------------|
| Water-Year Classification below Our House Dam:        | Existing FERC License | Existing FERC License |
| Water-Year Classification below Log Cabin Dam:        | Existing FERC License | Existing FERC License |
| Water-Year Classification below New Bullards Bar Dam: | Existing FERC License | Existing FERC License |
| Water-Year Classification below Englebright Dam:      | North Yuba Index      | North Yuba Index      |
| Flow Requirements below Our House Dam:                | Existing FERC License | Existing FERC License |
| Flow Requirements below Log Cabin Dam:                | Existing FERC License | Existing FERC License |
| Flow Requirements below New Bullards Bar Dam:         | Existing FERC License | Existing FERC License |
| Flow Requirements below Englebright Dam:              | Yuba River Accord     | Yuba River Accord     |
| Our House Dam Release Buffer:                         | 3 cfs                 | 3 cfs                 |
| Log Cabin Dam Release Buffer:                         | 1 cfs                 | 1 cfs                 |
| Minimum Flow Powerhouse Release Buffer:               | 2 cfs                 | 2 cfs                 |

| New Bullards Bar Reservoir Storage Assumptions                      |  |  |
|---|--|--|
| New Bullards Bar Reservoir Target Operating Line:                   | Yuba River Accord                      | Yuba River Accord                      |
| New Bullards Bar Reservoir Carryover Storage Protection Level:      | 99% Exceedance Drought<br>(294,000 AF) | 99% Exceedance Drought<br>(294,000 AF) |
| Agricultural Delivery Deficiency for Carryover Storage Calculation: | 50%                                    | 50%                                    |
| Maximum Agricultural Delivery Deficiency for Carryover Storage:     | 50%                                    | 50%                                    |

| Other Operational Requirements                 |                                     |                                     |
|--|-------------------------------------|-------------------------------------|
| Englebright Release Flow Fluctuation Criteria: | Existing FERC License               | Existing FERC License               |
| New Bullards Bar Reservoir Flood Operations:   | 1972 Flood Control Manual           | 1972 Flood Control Manual           |
| Englebright Reservoir Low-Storage Restriction: | PG&E Agreement with Marina Operator | PG&E Agreement with Marina Operator |

| Notes: |  |   |
|--------|--|---|
|        | Uses Bulletin 120 as the basis for hydrologic index calculation. This is different from the FLA Base Case, which uses Perfect Foresight. | Includes:<br>Spill Cessation at LCD and OHD: Close the tunnels after April 1 when NYI is greater than 1,787 TAF |

| Timeseries Assumptions                      |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
|---|------|------|------|------|------|------|--------------|-----------|------|----------|-----------|------|--------|------|
| Flow Requirements below Our House Dam (cfs) |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| <u>Base Case</u>                            |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| WY Classification                           | Oct  | Nov  | Dec  | Jan  | Feb  | Mar  | Apr 1-Apr 15 | Apr 16-30 | May  | Jun 1-15 | Jun 16-30 | July | August | Sep  |
| 100% Unimp                                  | 30   | 30   | 30   | 30   | 30   | 30   | 30           | 50        | 50   | 50       | 30        | 30   | 30     | 30   |
| 50% Unimp                                   | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5         | 42.5      | 42.5 | 42.5     | 25.5      | 25.5 | 25.5   | 25.5 |
| 45% Unimp                                   | 24   | 24   | 24   | 24   | 24   | 24   | 24           | 40        | 40   | 40       | 24        | 24   | 24     | 24   |
| 40% Unimp                                   | 21   | 21   | 21   | 21   | 21   | 21   | 21           | 35        | 35   | 35       | 21        | 21   | 21     | 21   |
| <u>Existing FERC License</u>                |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| WY Classification                           | Oct  | Nov  | Dec  | Jan  | Feb  | Mar  | Apr 1-Apr 15 | Apr 16-30 | May  | Jun 1-15 | Jun 16-30 | July | August | Sep  |
| 100% Unimp                                  | 30   | 30   | 30   | 30   | 30   | 30   | 30           | 50        | 50   | 50       | 30        | 30   | 30     | 30   |
| 50% Unimp                                   | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5         | 42.5      | 42.5 | 42.5     | 25.5      | 25.5 | 25.5   | 25.5 |
| 45% Unimp                                   | 24   | 24   | 24   | 24   | 24   | 24   | 24           | 40        | 40   | 40       | 24        | 24   | 24     | 24   |
| 40% Unimp                                   | 21   | 21   | 21   | 21   | 21   | 21   | 21           | 35        | 35   | 35       | 21        | 21   | 21     | 21   |

| Flow Requirements below Log Cabin Dam (cfs) |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
|---|-----|-----|-----|-----|-----|-----|--------------|-----------|------|----------|-----------|------|--------|-----|
| <u>Base Case</u>                            |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
| WY Classification                           | Oct | Nov | Dec | Jan | Feb | Mar | Apr 1-Apr 15 | Apr 16-30 | May  | Jun 1-15 | Jun 16-30 | July | August | Sep |
| 100% Unimp                                  | 8   | 8   | 8   | 8   | 8   | 8   | 8            | 12        | 12   | 12       | 8         | 8    | 8      | 8   |
| 50% Unimp                                   | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8          | 10.2      | 10.2 | 10.2     | 6.8       | 6.8  | 6.8    | 6.8 |
| 45% Unimp                                   | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4          | 9.6       | 9.6  | 9.6      | 6.4       | 6.4  | 6.4    | 6.4 |
| 40% Unimp                                   | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6          | 8.4       | 8.4  | 8.4      | 5.6       | 5.6  | 5.6    | 5.6 |
| <u>Existing FERC License</u>                |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
| WY Classification                           | Oct | Nov | Dec | Jan | Feb | Mar | Apr 1-Apr 15 | Apr 16-30 | May  | Jun 1-15 | Jun 16-30 | July | August | Sep |
| 100% Unimp                                  | 8   | 8   | 8   | 8   | 8   | 8   | 8            | 12        | 12   | 12       | 8         | 8    | 8      | 8   |
| 50% Unimp                                   | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8          | 10.2      | 10.2 | 10.2     | 6.8       | 6.8  | 6.8    | 6.8 |
| 45% Unimp                                   | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4          | 9.6       | 9.6  | 9.6      | 6.4       | 6.4  | 6.4    | 6.4 |
| 40% Unimp                                   | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6          | 8.4       | 8.4  | 8.4      | 5.6       | 5.6  | 5.6    | 5.6 |

| Flow Requirements below New Bullards Bar Dam (cfs) |          |           |      |      |      |      |              |           |           |          |           |           |            |      |
|--|----------|-----------|------|------|------|------|--------------|-----------|-----------|----------|-----------|-----------|------------|------|
| <u>Base Case</u>                                   |          |           |      |      |      |      |              |           |           |          |           |           |            |      |
| WY Classification                                  | Oct      | Nov       | Dec  | Jan  | Feb  | Mar  | Apr 1-Apr 15 | Apr 16-30 | May       | Jun 1-15 | Jun 16-30 | July      | August     | Sep  |
| 100% Unimp   | 5        | 5         | 5    | 5    | 5    | 5    | 5            | 5         | 5         | 5        | 5         | 5         | 5          | 5    |
| 50% Unimp  | 4.25     | 4.25      | 4.25 | 4.25 | 4.25 | 4.25 | 4.25         | 4.25      | 4.25      | 4.25     | 4.25      | 4.25      | 4.25       | 4.25 |
| 45% Unimp  | 4        | 4         | 4    | 4    | 4    | 4    | 4            | 4         | 4         | 4        | 4         | 4         | 4          | 4    |
| 40% Unimp  | 3.5      | 3.5       | 3.5  | 3.5  | 3.5  | 3.5  | 3.5          | 3.5       | 3.5       | 3.5      | 3.5       | 3.5       | 3.5        | 3.5  |
| <u>Existing FERC License</u>                       |          |           |      |      |      |      |              |           |           |          |           |           |            |      |
| WY Classification                                  | Oct 1-15 | Oct 16-31 | Nov  | Dec  | Jan  | Feb  | Mar          | Apr 1-15  | Apr 16-30 | May 1-15 | May 16-31 | June 1-15 | June 16-30 | Jul  |
| 100% Unimp   | 5        | 5         | 5    | 5    | 5    | 5    | 5            | 5         | 5         | 5        | 5         | 5         | 5          | 5    |
| 50% Unimp  | 4.25     | 4.25      | 4.25 | 4.25 | 4.25 | 4.25 | 4.25         | 4.25      | 4.25      | 4.25     | 4.25      | 4.25      | 4.25       | 4.25 |
| 45% Unimp  | 4        | 4         | 4    | 4    | 4    | 4    | 4            | 4         | 4         | 4        | 4         | 4         | 4          | 4    |
| 40% Unimp  | 3.5      | 3.5       | 3.5  | 3.5  | 3.5  | 3.5  | 3.5          | 3.5       | 3.5       | 3.5      | 3.5       | 3.5       | 3.5        | 3.5  |

**Timeseries Assumptions**  
**Flow Requirements at Smartsville (cfs)**

| <b>Base Case</b>         |          |           |     |     |     |     |     |          |           |          |           |           |            |     |     |     |
|--------------------------|----------|-----------|-----|-----|-----|-----|-----|----------|-----------|----------|-----------|-----------|------------|-----|-----|-----|
| WY Classification        | Oct 1-15 | Oct 16-31 | Nov | Dec | Jan | Feb | Mar | Apr 1-15 | Apr 16-30 | May 1-15 | May 16-31 | June 1-15 | June 16-30 | Jul | Aug | Sep |
| 1                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 2                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 3                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 4                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 5                        | 600      | 600       | 600 | 550 | 550 | 550 | 550 | 600      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 500 |
| 6                        | 600      | 600       | 600 | 550 | 550 | 550 | 550 | 600      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 500 |
| Conference               | 600      | 600       | 600 | 600 | 600 | 600 | 600 | 0        | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 0   |
| <b>Yuba River Accord</b> |          |           |     |     |     |     |     |          |           |          |           |           |            |     |     |     |
| WY Classification        | Oct 1-15 | Oct 16-31 | Nov | Dec | Jan | Feb | Mar | Apr 1-15 | Apr 16-30 | May 1-15 | May 16-31 | June 1-15 | June 16-30 | Jul | Aug | Sep |
| 1                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 2                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 3                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 4                        | 700      | 700       | 700 | 700 | 700 | 700 | 700 | 700      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 700 |
| 5                        | 600      | 600       | 600 | 550 | 550 | 550 | 550 | 600      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 500 |
| 6                        | 600      | 600       | 600 | 550 | 550 | 550 | 550 | 600      | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 500 |
| Conference               | 600      | 600       | 600 | 600 | 600 | 600 | 600 | 0        | 0         | 0        | 0         | 0         | 0          | 0   | 0   | 0   |

**Yuba Accord Flow Requirements at Marysville (cfs)**

| <b>Base Case</b>         |          |           |     |     |     |     |     |          |           |          |           |           |            |     |     |     |
|--------------------------|----------|-----------|-----|-----|-----|-----|-----|----------|-----------|----------|-----------|-----------|------------|-----|-----|-----|
| WY Classification        | Oct 1-15 | Oct 16-31 | Nov | Dec | Jan | Feb | Mar | Apr 1-15 | Apr 16-30 | May 1-15 | May 16-31 | June 1-15 | June 16-30 | Jul | Aug | Sep |
| 1                        | 500      | 500       | 500 | 500 | 500 | 500 | 700 | 1000     | 1000      | 2000     | 2000      | 1500      | 1500       | 700 | 600 | 500 |
| 2                        | 500      | 500       | 500 | 500 | 500 | 500 | 700 | 700      | 800       | 1000     | 1000      | 800       | 500        | 500 | 500 | 500 |
| 3                        | 500      | 500       | 500 | 500 | 500 | 500 | 500 | 700      | 700       | 900      | 900       | 500       | 500        | 500 | 500 | 500 |
| 4                        | 400      | 400       | 500 | 500 | 500 | 500 | 500 | 600      | 900       | 900      | 600       | 400       | 400        | 400 | 400 | 400 |
| 5                        | 400      | 400       | 500 | 500 | 500 | 500 | 500 | 500      | 600       | 600      | 400       | 400       | 400        | 400 | 400 | 400 |
| 6                        | 350      | 350       | 350 | 350 | 350 | 350 | 350 | 350      | 500       | 500      | 400       | 300       | 150        | 150 | 150 | 350 |
| Conference               | 400      | 400       | 400 | 400 | 245 | 245 | 245 | 245      | 245       | 245      | 245       | 245       | 245        | 70  | 70  | 70  |
| <b>Yuba River Accord</b> |          |           |     |     |     |     |     |          |           |          |           |           |            |     |     |     |
| WY Classification        | Oct 1-15 | Oct 16-31 | Nov | Dec | Jan | Feb | Mar | Apr 1-15 | Apr 16-30 | May 1-15 | May 16-31 | June 1-15 | June 16-30 | Jul | Aug | Sep |
| 1                        | 500      | 500       | 500 | 500 | 500 | 500 | 700 | 1000     | 1000      | 2000     | 2000      | 1500      | 1500       | 700 | 600 | 500 |
| 2                        | 500      | 500       | 500 | 500 | 500 | 500 | 700 | 700      | 800       | 1000     | 1000      | 800       | 500        | 500 | 500 | 500 |
| 3                        | 500      | 500       | 500 | 500 | 500 | 500 | 500 | 700      | 700       | 900      | 900       | 500       | 500        | 500 | 500 | 500 |
| 4                        | 400      | 400       | 500 | 500 | 500 | 500 | 500 | 600      | 900       | 900      | 600       | 400       | 400        | 400 | 400 | 400 |
| 5                        | 400      | 400       | 500 | 500 | 500 | 500 | 500 | 500      | 600       | 600      | 400       | 400       | 400        | 400 | 400 | 400 |
| 6                        | 350      | 350       | 350 | 350 | 350 | 350 | 350 | 350      | 500       | 500      | 400       | 300       | 150        | 150 | 150 | 350 |
| Conference               | 400      | 400       | 400 | 400 | 245 | 245 | 245 | 245      | 245       | 245      | 245       | 245       | 245        | 70  | 70  | 70  |

**New Bullards Bar Reservoir Storage Targets**

| <b>Base Case</b> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| Operating Line   | 31-Oct  | 30-Nov  | 31-Dec  | 31-Jan  | 28-Feb  | 31-Mar  | 30-Apr  | 31-May  | 30-Jun  | 15-Jul  | 31-Jul  | 15-Aug  | 31-Aug  | 15-Sep  | 30-Sep  |  |
| Upper Buffer     | 20,000  | 30,000  | 30,000  | 80,000  | 30,000  | 30,000  | 30,000  | 26,000  | 0       | 5,000   | 10,000  | 10,000  | 10,000  | 90,000  | 200,000 |  |
| Target Line      | 660,000 | 660,000 | 650,000 | 600,000 | 650,000 | 750,000 | 850,000 | 940,000 | 920,000 | 875,000 | 825,000 | 770,000 | 715,000 | 682,500 | 650,000 |  |
| Lower Buffer     | 10,000  | 30,000  | 30,000  | 30,000  | 30,000  | 30,000  | 30,000  | 100,000 | 80,000  | 60,000  | 40,000  | 35,000  | 15,000  | 5,000   | 2,000   |  |
| <b>RP081514A</b> |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |  |
| Operating Line   | 31-Oct  | 30-Nov  | 31-Dec  | 31-Jan  | 28-Feb  | 31-Mar  | 30-Apr  | 31-May  | 30-Jun  | 15-Jul  | 31-Jul  | 15-Aug  | 31-Aug  | 15-Sep  | 30-Sep  |  |
| Upper Buffer     | 20,000  | 30,000  | 30,000  | 80,000  | 30,000  | 30,000  | 30,000  | 26,000  | 0       | 5,000   | 10,000  | 10,000  | 10,000  | 90,000  | 200,000 |  |
| Target Line      | 660,000 | 660,000 | 650,000 | 600,000 | 650,000 | 750,000 | 850,000 | 940,000 | 920,000 | 875,000 | 825,000 | 770,000 | 715,000 | 682,500 | 650,000 |  |
| Lower Buffer     | 10,000  | 30,000  | 30,000  | 30,000  | 30,000  | 30,000  | 30,000  | 100,000 | 80,000  | 60,000  | 40,000  | 35,000  | 15,000  | 5,000   | 2,000   |  |

| Overview - Model Output Generation Summary         |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
|--|-----------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|-----------|-----------|--------|----------|---------|--------|--------------------|---------|--------|-------------------|-----------|---------|--------|
| Water Year Classification:                         | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry       |           |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |         |        |
| Model case:  | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base      | Alt       | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change  |        |
| New Colgate Powerhouse Generation (Average MWh/yr) | 1,739,938 | 1,646,709 | -5.4%  | 1,534,428    | 1,470,207 | -4.2%  | 1,163,803    | 1,163,323 | 0.0%   | 749,956   | 748,060   | -0.3%  | 573,219  | 559,510 | -2.4%  | 236,057            | 244,104 | 3.4%   | 1,224,648         | 1,185,510 | -39,138 | -3.2%  |
| Narrows 2 Powerhouse Generation (Average MWh/yr)   | 268,980   | 266,710   | -0.8%  | 230,303      | 229,204   | -0.5%  | 169,425      | 168,560   | -0.5%  | 82,085    | 84,470    | 2.9%   | 43,031   | 41,142  | -4.4%  | 25,875             | 25,885  | 0.0%   | 174,972           | 174,554   | -418    | -0.2%  |
| Total YRDP Generation (Average MWh/yr)             | 2,008,918 | 1,913,419 | -4.8%  | 1,764,731    | 1,699,411 | -3.7%  | 1,333,227    | 1,331,883 | -0.1%  | 832,042   | 832,530   | 0.1%   | 616,250  | 600,652 | -2.5%  | 261,931            | 269,989 | 3.1%   | 1,399,620         | 1,360,064 | -39,556 | -2.8%  |
| Overview - Model Output Flows Summary              |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| Water Year Classification:                         | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry       |           |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |         |        |
| Model case:  | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base      | Alt       | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change  |        |
| Middle Yuba River                                  |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| MYR below Our House Dam (Avg. AF/yr)               | 124,092   | 250,109   | 101.6% | 76,756       | 135,776   | 76.9%  | 71,163       | 71,038    | -0.2%  | 45,151    | 44,793    | -0.8%  | 18,538   | 19,033  | 2.7%   | 38,065             | 38,324  | 0.7%   | 73,823            | 118,242   | 44,419  | 60.2%  |
| MYR Near Confluence with NYR (Avg. AF/yr)          | 231,598   | 374,848   | 61.9%  | 171,561      | 238,604   | 39.1%  | 155,170      | 155,012   | -0.1%  | 100,931   | 100,459   | -0.5%  | 35,330   | 35,891  | 1.6%   | 90,161             | 90,488  | 0.4%   | 154,785           | 205,195   | 50,410  | 32.6%  |
| Oregon Creek and North Yuba River                  |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| Oregon Creek below Log Cabin Dam (Avg. AF/yr)      | 28,714    | 45,947    | 60.0%  | 22,731       | 30,754    | 35.3%  | 20,043       | 20,011    | -0.2%  | 14,094    | 13,979    | -0.8%  | 4,382    | 4,448   | 1.5%   | 14,253             | 14,322  | 0.5%   | 20,251            | 26,243    | 5,992   | 29.6%  |
| NYR below New Bullards Bar Dam (Avg. AF/yr)        | 326,091   | 266,357   | -18.3% | 183,668      | 173,576   | -5.5%  | 125,931      | 125,840   | -0.1%  | 44,843    | 46,534    | 3.8%   | 3,644    | 3,727   | 2.3%   | 3,982              | 4,028   | 1.2%   | 154,281           | 138,580   | -15,701 | -10.2% |
| Yuba River   |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| Yuba River above New Colgate PH (Avg. AF/yr)       | 588,503   | 672,018   | 14.2%  | 383,414      | 440,365   | 14.9%  | 306,115      | 305,866   | -0.1%  | 162,076   | 163,295   | 0.8%   | 43,827   | 44,471  | 1.5%   | 108,941            | 109,315 | 0.3%   | 332,808           | 367,517   | 34,709  | 10.4%  |
| Yuba River near Smartsville (Avg. AF/yr)           | 2,735,639 | 2,737,070 | 0.1%   | 2,168,820    | 2,170,276 | 0.1%   | 1,714,841    | 1,712,012 | -0.2%  | 1,048,481 | 1,047,030 | -0.1%  | 648,391  | 635,290 | -2.0%  | 569,400            | 581,679 | 2.2%   | 1,802,292         | 1,802,247 | -45     | 0.0%   |
| Yuba River near Marysville (Avg. AF/yr)            | 2,649,658 | 2,651,089 | 0.1%   | 2,051,164    | 2,052,620 | 0.1%   | 1,544,492    | 1,541,663 | -0.2%  | 828,321   | 826,869   | -0.2%  | 367,566  | 354,465 | -3.6%  | 513,609            | 525,888 | 2.4%   | 1,647,538         | 1,647,492 | -45     | 0.0%   |
| Average Agricultural Water Supply                  |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| Water Year Classification:                         | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry       |           |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |         |        |
| Model case:  | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base      | Alt       | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change  |        |
| Total (% of requested)                             | 100%      | 100%      | 0%     | 100%         | 100%      | 0%     | 100%         | 100%      | 0%     | 100%      | 100%      | 0%     | 50%      | 50%     | 0%     | 50%                | 50%     | 0%     | 99%               | 99%       | 0%      |        |
| End of September Reservoir Storage                 |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |         |        |
| Water Year Classification:                         | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry       |           |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |         |        |
| Model case:  | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base      | Alt       | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change  |        |
| Reservoir Storage (AF)                             | 653,515   | 652,057   | -0.2%  | 643,224      | 642,928   | 0.0%   | 636,008      | 651,212   | 2.4%   | 579,007   | 590,837   | 2.0%   | 264,276  | 240,747 | -8.9%  | 264,276            | 240,747 | -8.9%  | 607,528           | 612,595   | 5,067   | 0.8%   |

\*Water Year Classifications based on Smartsville Index

Model Output Summary - Generation

| New Colgate Powerhouse Generation (Average Monthly MWh) |           |           |        |              |           |        |              |           |        |         |         |        |          |         |        |                    |         |        |                   |           |        |
|---|-----------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|---------|---------|--------|----------|---------|--------|--------------------|---------|--------|-------------------|-----------|--------|
| Month   | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry     |         |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |        |
|   | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base    | Alt     | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change |
| October   | 53,835    | 53,283    | -1.0%  | 50,955       | 50,852    | -0.2%  | 51,113       | 51,509    | 0.8%   | 49,459  | 47,340  | -4.3%  | 47,153   | 45,419  | -3.7%  | 29,965             | 29,336  | -2.1%  | 50,562            | 49,848    | -1.4%  |
| November  | 60,571    | 60,321    | -0.4%  | 55,329       | 55,117    | -0.4%  | 41,845       | 41,821    | -0.1%  | 46,807  | 47,181  | 0.8%   | 41,013   | 41,299  | 0.7%   | 25,602             | 25,016  | -2.3%  | 50,991            | 50,953    | -0.1%  |
| December  | 80,647    | 80,587    | -0.1%  | 69,406       | 69,366    | -0.1%  | 63,003       | 63,074    | 0.1%   | 47,770  | 47,992  | 0.5%   | 28,289   | 28,428  | 0.5%   | 13,586             | 13,153  | -3.2%  | 62,091            | 62,124    | 0.1%   |
| January   | 116,786   | 116,759   | 0.0%   | 99,316       | 99,312    | 0.0%   | 136,032      | 145,586   | 7.0%   | 70,870  | 79,352  | 12.0%  | 17,333   | 17,339  | 0.0%   | 1,728              | 1,438   | -16.8% | 94,327            | 97,572    | 3.4%   |
| February  | 197,580   | 197,632   | 0.0%   | 160,209      | 161,541   | 0.8%   | 81,582       | 85,923    | 5.3%   | 39,252  | 40,016  | 1.9%   | 33,472   | 32,754  | -2.1%  | 21,624             | 29,770  | 37.7%  | 105,573           | 107,625   | 1.9%   |
| March   | 212,274   | 212,275   | 0.0%   | 207,835      | 208,420   | 0.3%   | 76,891       | 78,604    | 2.2%   | 35,764  | 41,808  | 16.9%  | 0.0%     | 0.0%    | 0.0%   | 13,233             | 17,178  | 29.8%  | 122,109           | 124,378   | 1.9%   |
| April   | 182,058   | 147,567   | -18.9% | 156,648      | 132,793   | -15.2% | 80,593       | 83,367    | 3.4%   | 46,087  | 49,912  | 8.3%   | 48,314   | 48,404  | 0.2%   | 15,373             | 15,329  | -0.3%  | 112,531           | 100,011   | -11.1% |
| May   | 211,163   | 182,100   | -13.8% | 190,227      | 166,527   | -12.5% | 171,563      | 160,325   | -6.6%  | 93,047  | 82,327  | -11.5% | 75,570   | 70,805  | -6.3%  | 23,450             | 23,048  | -1.7%  | 157,847           | 139,900   | -11.4% |
| June  | 216,458   | 202,771   | -6.3%  | 205,147      | 194,873   | -5.0%  | 173,752      | 164,066   | -5.6%  | 95,325  | 91,874  | -3.6%  | 81,129   | 78,992  | -2.6%  | 33,916             | 33,341  | -1.7%  | 164,912           | 156,319   | -5.2%  |
| July  | 193,362   | 183,236   | -5.2%  | 164,015      | 159,824   | -2.6%  | 136,361      | 134,652   | -1.3%  | 98,378  | 95,556  | -2.9%  | 90,558   | 88,503  | -2.3%  | 29,273             | 28,741  | -1.8%  | 142,667           | 138,142   | -3.2%  |
| August  | 155,482   | 151,861   | -2.3%  | 120,071      | 116,770   | -2.7%  | 97,699       | 100,281   | 2.6%   | 79,286  | 77,867  | -1.8%  | 69,317   | 67,378  | -2.8%  | 20,641             | 20,241  | -1.9%  | 108,933           | 107,150   | -1.6%  |
| September   | 59,722    | 58,318    | -2.4%  | 55,270       | 54,812    | -0.8%  | 53,370       | 54,114    | 1.4%   | 47,911  | 46,834  | -2.2%  | 41,071   | 40,190  | -2.1%  | 7,667              | 7,513   | -2.0%  | 52,107            | 51,488    | -1.2%  |
| Average MWh/  | 1,739,938 | 1,646,709 | -5.4%  | 1,534,428    | 1,470,207 | -4.2%  | 1,163,803    | 1,163,323 | 0.0%   | 749,956 | 748,060 | -0.3%  | 573,219  | 559,510 | -2.4%  | 236,057            | 244,104 | 3.4%   | 1,224,648         | 1,185,510 | -3.2%  |

| Narrows 2 Powerhouse Generation (Average Monthly MWh) |         |         |        |              |         |        |              |         |        |        |        |        |          |        |         |                    |        |        |                   |         |        |
|---|---------|---------|--------|--------------|---------|--------|--------------|---------|--------|--------|--------|--------|----------|--------|---------|--------------------|--------|--------|-------------------|---------|--------|
| Month   | Wet     |         |        | Above Normal |         |        | Below Normal |         |        | Dry    |        |        | Critical |        |         | Extremely Critical |        |        | Average All Years |         |        |
|   | Base    | Alt     | Change | Base         | Alt     | Change | Base         | Alt     | Change | Base   | Alt    | Change | Base     | Alt    | Change  | Base               | Alt    | Change | Base              | Alt     | Change |
| October   | 4,884   | 4,748   | -2.8%  | 3,525        | 3,434   | -2.6%  | 3,230        | 3,230   | 0.0%   | 2,093  | 1,425  | -31.9% | 1,183    | 0      | -100.0% | 0                  | 0      | 0.0%   | 3,242             | 2,949   | -9.0%  |
| November  | 4,960   | 4,957   | 0.0%   | 4,623        | 4,591   | -0.7%  | 819          | 682     | -16.7% | 1,831  | 1,831  | 0.0%   | 922      | 922    | 0.0%    | 0                  | 0      | 0.0%   | 3,152             | 3,122   | -1.0%  |
| December  | 12,267  | 12,261  | -0.1%  | 9,701        | 9,695   | -0.1%  | 10,638       | 10,635  | 0.0%   | 5,224  | 5,222  | 0.0%   | 601      | 601    | 0.0%    | 4,091              | 4,091  | 0.0%   | 8,679             | 8,674   | 0.0%   |
| January   | 20,795  | 20,794  | 0.0%   | 16,290       | 16,290  | 0.0%   | 26,042       | 27,543  | 5.8%   | 13,523 | 14,281 | 5.6%   | 862      | 862    | 0.0%    | 19,019             | 19,019 | 0.0%   | 17,146            | 17,532  | 2.2%   |
| February  | 35,211  | 35,210  | 0.0%   | 30,514       | 30,594  | 0.3%   | 15,838       | 16,544  | 4.5%   | 8,472  | 8,645  | 2.0%   | 0        | 0      | 0.0%    | 0                  | 0      | 0.0%   | 19,781            | 20,065  | 1.4%   |
| March   | 37,513  | 37,513  | 0.0%   | 37,217       | 37,284  | 0.2%   | 18,268       | 18,415  | 0.8%   | 7,698  | 10,308 | 33.9%  | 0.0%     | 0.0%   | 0.0%    | 2,764              | 2,774  | 0.4%   | 23,310            | 24,004  | 3.0%   |
| April   | 33,258  | 33,490  | 0.7%   | 28,502       | 28,774  | 1.0%   | 14,944       | 15,554  | 4.1%   | 6,845  | 7,527  | 10.0%  | 6,278    | 6,278  | 0.0%    | 0                  | 0      | 0.0%   | 20,037            | 20,444  | 2.0%   |
| May   | 35,359  | 35,325  | -0.1%  | 33,029       | 33,167  | 0.4%   | 28,857       | 26,853  | -6.9%  | 9,523  | 9,188  | -3.5%  | 8,530    | 8,461  | -0.8%   | 0                  | 0      | 0.0%   | 25,070            | 24,682  | -1.5%  |
| June  | 33,562  | 33,378  | -0.5%  | 30,850       | 30,743  | -0.3%  | 23,961       | 21,984  | -8.3%  | 8,679  | 8,666  | -0.2%  | 8,188    | 8,188  | 0.0%    | 0                  | 0      | 0.0%   | 22,992            | 22,579  | -1.8%  |
| July  | 26,266  | 25,206  | -4.0%  | 19,457       | 18,563  | -4.6%  | 14,003       | 13,989  | -0.1%  | 8,461  | 8,461  | 0.0%   | 8,461    | 8,461  | 0.0%    | 0                  | 0      | 0.0%   | 16,328            | 15,831  | -3.0%  |
| August  | 18,527  | 17,447  | -5.8%  | 11,590       | 11,064  | -4.5%  | 9,512        | 9,582   | 0.7%   | 8,461  | 7,976  | -5.7%  | 7,733    | 7,369  | -4.7%   | 0                  | 0      | 0.0%   | 11,506            | 10,994  | -4.5%  |
| September   | 6,379   | 6,381   | 0.0%   | 5,004        | 5,004   | 0.0%   | 3,314        | 3,548   | 7.1%   | 1,274  | 940    | -26.2% | 273      | 0      | -100.0% | 0                  | 0      | 0.0%   | 3,730             | 3,678   | -1.4%  |
| Average MWh/  | 268,980 | 266,710 | -0.8%  | 230,303      | 229,204 | -0.5%  | 169,425      | 168,560 | -0.5%  | 82,085 | 84,470 | 2.9%   | 43,031   | 41,142 | -4.4%   | 25,875             | 25,885 | 0.0%   | 174,972           | 174,554 | -0.2%  |

Model Output Summary - Miscellaneous Values

| End of September New Bullards Bar Reservoir Storage (AF) |         |         |        |
|--|---------|---------|--------|
| WY Classification  | Base    | Alt     | Change |
| Wet  | 653,515 | 652,057 | -0.2%  |
| Above Normal   | 643,224 | 642,928 | 0.0%   |
| Below Normal   | 636,008 | 651,212 | 2.4%   |
| Dry  | 579,007 | 590,837 | 2.0%   |
| Critical   | 460,303 | 471,986 | 2.5%   |
| Extremely Critical                                       | 264,276 | 240,747 | -8.9%  |
| Average All Years  | 607,528 | 612,595 | 0.8%   |

| Average Agricultural Water Supply Allocation for April through September (%) |      |      |        |
|--|------|------|--------|
| WY Classification  | Base | Alt  | Change |
| Wet  | 100% | 100% | 0.0%   |
| Above Normal   | 100% | 100% | 0.0%   |
| Below Normal   | 100% | 100% | 0.0%   |
| Dry  | 100% | 100% | 0.0%   |
| Critical   | 100% | 100% | 0.0%   |
| Extremely Critical   | 50%  | 50%  | 0.0%   |
| Average All Years  | 99%  | 99%  | 0.0%   |

| Number of Days Narrows 2 PH Releases Controlled by Flow Fluctuation Criteria |      |     |         |
|--|------|-----|---------|
| WY Classification  | Base | Alt | Change  |
| Wet  | 10   | 10  | 0.0%    |
| Above Normal   | 0    | 1   | 0.0%    |
| Below Normal   | 39   | 39  | 0.0%    |
| Dry  | 141  | 93  | -34.0%  |
| Critical   | 0    | 0   | 0.0%    |
| Extremely Critical   | 12   | 0   | -100.0% |
| Total All Years  | 202  | 143 | -29.2%  |

| Recurrence of North Yuba Index Year Types (Years) |      |     |        |
|---|------|-----|--------|
| Flow Sched.                                       | Base | Alt | Change |
| Sched. 1  | 26   | 23  | -3     |
| Sched. 2  | 8    | 8   | 0      |
| Sched. 3  | 4    | 2   | -2     |
| Sched. 4  | 1    | 6   | 5      |
| Sched. 5  | 1    | 1   | 0      |
| Sched. 6  | 0    | 0   | 0      |
| Conference  | 1    | 1   | 0      |

| Average New Bullards Bar Reservoir Water-Surface Elevation on Sept. 10 (ft) |       |       |        |
|---|-------|-------|--------|
| WY Classification   | Base  | Alt   | Change |
| Wet   | 1,888 | 1,887 | 0.0%   |
| Above Normal  | 1,885 | 1,885 | 0.0%   |
| Below Normal  | 1,884 | 1,888 | 0.2%   |
| Dry   | 1,867 | 1,871 | 0.2%   |
| Critical  | 1,831 | 1,835 | 0.2%   |
| Extremely Critical  | 1,748 | 1,737 | -0.7%  |
| Average All Years   | 1,874 | 1,876 | 0.1%   |

| Average Number of Days per Year Dark Day Boat Ramp is Available (Water Level >= 1,758 ft) (days) |      |     |        |
|--|------|-----|--------|
| WY Classification  | Base | Alt | Change |
| Wet  | 365  | 365 | 0      |
| Above Normal   | 365  | 365 | 0      |
| Below Normal   | 365  | 365 | 0      |
| Dry  | 365  | 365 | 0      |
| Critical   | 365  | 365 | 0      |
| Extremely Critical   | 225  | 195 | -30    |
| Average All Years  | 362  | 361 | -1     |

| Average Number of Days per Year Cottage Creek Boat Ramp is Available (Water Level >= 1,853 ft) (Days) |      |     |        |
|---|------|-----|--------|
| WY Classification   | Base | Alt | Change |
| Wet   | 348  | 347 | -1     |
| Above Normal  | 356  | 356 | 0      |
| Below Normal  | 339  | 359 | 20     |
| Dry   | 297  | 309 | 12     |
| Critical  | 133  | 142 | 9      |
| Extremely Critical  | 32   | 27  | -5     |
| Average All Years   | 316  | 322 | 6      |

\*Water Year (WY) Classifications based on Smartsville Index

Model Output Summary - Flows

| Middle Yuba River below Our House Dam (Average monthly flow, cfs) |         |         |        |              |         |        |              |        |        |        |        |        |          |        |        |                    |        |        |                   |         |        |
|---|---------|---------|--------|--------------|---------|--------|--------------|--------|--------|--------|--------|--------|----------|--------|--------|--------------------|--------|--------|-------------------|---------|--------|
| Month   | Wet     |         |        | Above Normal |         |        | Below Normal |        |        | Dry    |        |        | Critical |        |        | Extremely Critical |        |        | Average All Years |         |        |
|   | Base    | Alt     | Change | Base         | Alt     | Change | Base         | Alt    | Change | Base   | Alt    | Change | Base     | Alt    | Change | Base               | Alt    | Change | Base              | Alt     | Change |
| October   | 34      | 35      | 2.8%   | 33           | 33      | 1.1%   | 31           | 31     | 0.0%   | 28     | 28     | -1.2%  | 22       | 22     | 0.0%   | 17                 | 17     | 0.0%   | 31                | 31      | 0.9%   |
| November  | 70      | 70      | 0.0%   | 58           | 58      | 0.0%   | 33           | 33     | 0.0%   | 81     | 80     | -0.9%  | 42       | 42     | 0.0%   | 22                 | 22     | 0.0%   | 60                | 60      | -0.3%  |
| December  | 171     | 171     | 0.0%   | 118          | 118     | 0.0%   | 180          | 180    | 0.0%   | 145    | 144    | -0.4%  | 26       | 26     | 0.0%   | 38                 | 38     | 0.0%   | 137               | 137     | -0.1%  |
| January   | 254     | 254     | 0.0%   | 264          | 264     | 0.0%   | 304          | 304    | 0.0%   | 132    | 131    | -0.5%  | 24       | 24     | 0.0%   | 302                | 302    | 0.0%   | 222               | 222     | -0.1%  |
| February  | 219     | 217     | -0.7%  | 191          | 188     | -1.5%  | 208          | 207    | -0.7%  | 58     | 59     | 2.3%   | 24       | 33     | 37.1%  | 24                 | 24     | 0.0%   | 161               | 160     | -0.5%  |
| March   | 255     | 255     | -0.1%  | 251          | 250     | -0.6%  | 58           | 57     | -1.4%  | 94     | 94     | 0.0%   | 31       | 31     | 0.0%   | 75                 | 79     | 5.6%   | 153               | 153     | -0.3%  |
| April   | 368     | 1080    | 193.3% | 65           | 375     | 481.0% | 45           | 45     | 0.0%   | 39     | 37     | -6.8%  | 31       | 31     | 0.0%   | 31                 | 31     | 0.0%   | 119               | 358     | 200.8% |
| May   | 397     | 1085    | 172.9% | 127          | 491     | 286.5% | 184          | 184    | 0.0%   | 48     | 47     | -2.4%  | 38       | 38     | 0.0%   | 38                 | 38     | 0.0%   | 170               | 427     | 151.2% |
| June  | 188     | 687     | 264.3% | 69           | 310     | 348.6% | 43           | 43     | 0.0%   | 39     | 38     | -2.3%  | 31       | 31     | 0.0%   | 31                 | 31     | 0.0%   | 81                | 260     | 223.2% |
| July  | 38      | 191     | 404.6% | 33           | 82      | 149.8% | 33           | 33     | 0.0%   | 29     | 29     | -1.1%  | 24       | 24     | 0.0%   | 17                 | 17     | 0.0%   | 32                | 80      | 149.1% |
| August  | 33      | 58      | 75.8%  | 33           | 44      | 33.2%  | 32           | 32     | 0.0%   | 27     | 27     | 0.7%   | 23       | 23     | 0.0%   | 13                 | 13     | 0.0%   | 30                | 39      | 28.7%  |
| September   | 33      | 48      | 45.9%  | 33           | 38      | 17.2%  | 31           | 31     | 0.0%   | 26     | 26     | 0.1%   | 22       | 22     | 0.0%   | 15                 | 15     | 0.0%   | 30                | 35      | 16.6%  |
| Average AF/yr   | 124,092 | 250,109 | 101.6% | 76,756       | 135,776 | 76.9%  | 71,163       | 71,038 | -0.2%  | 45,151 | 44,793 | -0.8%  | 18,538   | 19,033 | 2.7%   | 38,065             | 38,324 | 0.7%   | 73,823            | 118,242 | 60.2%  |

| Middle Yuba River Near Confluence with North Yuba River (Average monthly flow, cfs) |         |         |        |              |         |        |              |         |        |         |         |        |          |        |        |                    |        |        |                   |         |        |
|---|---------|---------|--------|--------------|---------|--------|--------------|---------|--------|---------|---------|--------|----------|--------|--------|--------------------|--------|--------|-------------------|---------|--------|
| Month   | Wet     |         |        | Above Normal |         |        | Below Normal |         |        | Dry     |         |        | Critical |        |        | Extremely Critical |        |        | Average All Years |         |        |
|   | Base    | Alt     | Change | Base         | Alt     | Change | Base         | Alt     | Change | Base    | Alt     | Change | Base     | Alt    | Change | Base               | Alt    | Change | Base              | Alt     | Change |
| October   | 49      | 50      | 1.2%   | 47           | 47      | 0.4%   | 43           | 43      | 0.0%   | 40      | 39      | -1.2%  | 27       | 27     | 0.0%   | 21                 | 21     | 0.0%   | 43                | 43      | 0.2%   |
| November  | 132     | 132     | 0.0%   | 125          | 125     | 0.0%   | 62           | 62      | 0.0%   | 129     | 128     | -0.8%  | 77       | 77     | 0.0%   | 38                 | 38     | 0.0%   | 113               | 113     | -0.2%  |
| December  | 361     | 361     | 0.0%   | 269          | 269     | 0.0%   | 324          | 324     | 0.0%   | 285     | 284     | -0.4%  | 65       | 65     | 0.0%   | 138                | 138    | 0.0%   | 285               | 285     | -0.1%  |
| January   | 567     | 567     | 0.0%   | 495          | 495     | 0.0%   | 680          | 680     | 0.0%   | 348     | 347     | -0.3%  | 89       | 89     | 0.0%   | 840                | 840    | 0.0%   | 486               | 486     | 0.0%   |
| February  | 530     | 528     | -0.4%  | 544          | 541     | -0.6%  | 520          | 518     | -0.3%  | 181     | 183     | 0.9%   | 39       | 49     | 25.8%  | 41                 | 41     | 0.0%   | 421               | 420     | -0.2%  |
| March   | 562     | 562     | -0.1%  | 648          | 647     | -0.3%  | 259          | 258     | -0.4%  | 297     | 297     | 0.0%   | 177      | 182    | 3.0%   | 177                | 182    | 3.0%   | 419               | 418     | -0.1%  |
| April   | 700     | 1566    | 123.8% | 234          | 623     | 166.5% | 190          | 190     | 0.0%   | 121     | 118     | -2.7%  | 84       | 84     | 0.0%   | 49                 | 49     | 0.0%   | 290               | 584     | 101.4% |
| May   | 559     | 1352    | 141.9% | 248          | 661     | 166.8% | 299          | 299     | 0.0%   | 98      | 97      | -1.4%  | 68       | 68     | 0.0%   | 72                 | 72     | 0.0%   | 275               | 569     | 107.4% |
| June  | 241     | 769     | 218.5% | 111          | 364     | 228.5% | 81           | 81      | 0.0%   | 65      | 64      | -1.6%  | 47       | 47     | 0.0%   | 44                 | 44     | 0.0%   | 118               | 307     | 160.7% |
| July  | 59      | 215     | 264.7% | 50           | 99      | 99.2%  | 48           | 48      | 0.0%   | 41      | 41      | -0.3%  | 33       | 33     | 0.0%   | 20                 | 20     | 0.0%   | 48                | 96      | 102.1% |
| August  | 47      | 68      | 45.3%  | 46           | 54      | 18.7%  | 41           | 41      | 0.0%   | 33      | 33      | 0.5%   | 29       | 29     | 0.0%   | 15                 | 15     | 0.0%   | 41                | 48      | 17.8%  |
| September   | 46      | 58      | 26.4%  | 44           | 47      | 7.0%   | 38           | 38      | 0.0%   | 32      | 32      | -0.1%  | 27       | 27     | 0.0%   | 19                 | 19     | 0.0%   | 39                | 42      | 9.1%   |
| Average AF/yr   | 231,598 | 374,848 | 61.9%  | 171,561      | 238,604 | 39.1%  | 155,170      | 155,012 | -0.1%  | 100,931 | 100,459 | -0.5%  | 35,330   | 35,891 | 1.6%   | 90,161             | 90,488 | 0.4%   | 154,785           | 205,195 | 32.6%  |

| Oregon Creek below Log Cabin Dam (Average monthly flow, cfs) |        |        |        |              |        |        |              |        |        |        |        |        |          |       |        |                    |        |        |                   |        |        |
|--|--------|--------|--------|--------------|--------|--------|--------------|--------|--------|--------|--------|--------|----------|-------|--------|--------------------|--------|--------|-------------------|--------|--------|
| Month  | Wet    |        |        | Above Normal |        |        | Below Normal |        |        | Dry    |        |        | Critical |       |        | Extremely Critical |        |        | Average All Years |        |        |
|  | Base   | Alt    | Change | Base         | Alt    | Change | Base         | Alt    | Change | Base   | Alt    | Change | Base     | Alt   | Change | Base               | Alt    | Change | Base              | Alt    | Change |
| October  | 8      | 8      | -4.4%  | 7            | 7      | -2.7%  | 6            | 6      | 0.0%   | 5      | 5      | -2.7%  | 3        | 3     | 0.0%   | 2                  | 2      | 0.0%   | 6                 | 6      | -2.8%  |
| November   | 19     | 19     | 0.0%   | 18           | 18     | 0.0%   | 8            | 8      | 0.0%   | 17     | 16     | -1.8%  | 12       | 12    | 0.0%   | 4                  | 4      | 0.0%   | 16                | 16     | -0.4%  |
| December   | 60     | 60     | 0.0%   | 44           | 44     | 0.0%   | 40           | 40     | 0.0%   | 45     | 45     | -0.9%  | 7        | 7     | 0.0%   | 11                 | 11     | 0.0%   | 44                | 44     | -0.2%  |
| January  | 103    | 103    | 0.0%   | 72           | 72     | 0.0%   | 108          | 108    | 0.0%   | 58     | 57     | -0.7%  | 7        | 7     | 0.0%   | 157                | 157    | 0.0%   | 79                | 79     | -0.1%  |
| February   | 79     | 79     | -0.6%  | 77           | 76     | -0.9%  | 89           | 89     | -0.4%  | 20     | 20     | 1.7%   | 7        | 8     | 18.0%  | 7                  | 7      | 0.0%   | 64                | 64     | -0.3%  |
| March  | 68     | 68     | -0.1%  | 90           | 90     | -0.4%  | 23           | 23     | -0.9%  | 42     | 42     | 0.1%   | 23       | 24    | 4.9%   | 23                 | 24     | 4.9%   | 53                | 53     | -0.2%  |
| April  | 81     | 235    | 192.3% | 15           | 94     | 521.9% | 11           | 11     | 0.0%   | 11     | 10     | -6.2%  | 8        | 8     | 0.0%   | 8                  | 8      | 0.0%   | 27                | 82     | 203.2% |
| May  | 23     | 129    | 451.5% | 20           | 69     | 249.7% | 20           | 20     | 0.0%   | 12     | 12     | -2.3%  | 9        | 9     | 0.0%   | 9                  | 9      | 0.0%   | 18                | 55     | 210.7% |
| June   | 11     | 40     | 266.7% | 11           | 23     | 106.4% | 11           | 11     | 0.0%   | 10     | 10     | -1.7%  | 8        | 8     | 0.0%   | 8                  | 8      | 0.0%   | 10                | 20     | 94.2%  |
| July   | 9      | 12     | 37.4%  | 9            | 9      | -2.9%  | 9            | 9      | 0.0%   | 7      | 7      | 2.9%   | 6        | 6     | 0.0%   | 1                  | 1      | 0.0%   | 8                 | 9      | 8.7%   |
| August   | 9      | 5      | -42.5% | 8            | 6      | -28.4% | 6            | 6      | 0.0%   | 4      | 3      | -1.0%  | 3        | 3     | 0.0%   | 1                  | 1      | 0.0%   | 6                 | 5      | -23.7% |
| September  | 8      | 5      | -37.1% | 8            | 5      | -34.1% | 4            | 4      | 0.0%   | 3      | 3      | -2.6%  | 2        | 2     | 0.0%   | 2                  | 2      | 0.0%   | 6                 | 4      | -25.7% |
| Average AF/yr  | 28,714 | 45,947 | 60.0%  | 22,731       | 30,754 | 35.3%  | 20,043       | 20,011 | -0.2%  | 14,094 | 13,979 | -0.8%  | 4,382    | 4,448 | 1.5%   | 14,253             | 14,322 | 0.5%   | 20,251            | 26,243 | 29.6%  |

\*Water Year Classifications based on Smartsville Index

Model Output Summary - Flows

| North Yuba River below New Bullards Bar Dam (Average monthly flow, cfs) |         |         |        |              |         |        |              |         |        |        |        |        |          |       |        |                    |       |        |                   |         |        |
|---|---------|---------|--------|--------------|---------|--------|--------------|---------|--------|--------|--------|--------|----------|-------|--------|--------------------|-------|--------|-------------------|---------|--------|
| Month   | Wet     |         |        | Above Normal |         |        | Below Normal |         |        | Dry    |        |        | Critical |       |        | Extremely Critical |       |        | Average All Years |         |        |
|   | Base    | Alt     | Change | Base         | Alt     | Change | Base         | Alt     | Change | Base   | Alt    | Change | Base     | Alt   | Change | Base               | Alt   | Change | Base              | Alt     | Change |
| October   | 7       | 7       | 0.0%   | 7            | 7       | 0.0%   | 7            | 7       | 0.0%   | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 7                 | 7       | -0.4%  |
| November  | 7       | 7       | 0.0%   | 7            | 7       | 0.0%   | 7            | 7       | 0.0%   | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 7                 | 7       | -0.4%  |
| December  | 410     | 409     | -0.1%  | 245          | 245     | 0.0%   | 148          | 148     | 0.0%   | 482    | 482    | 0.0%   | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 299               | 299     | 0.0%   |
| January   | 648     | 648     | 0.0%   | 973          | 973     | 0.0%   | 1,008        | 1,008   | 0.0%   | 70     | 70     | 0.0%   | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 606               | 606     | 0.0%   |
| February  | 673     | 685     | 1.9%   | 437          | 435     | -0.5%  | 653          | 653     | 0.0%   | 7      | 7      | 3.4%   | 6        | 7     | 27.3%  | 6                  | 6     | 0.0%   | 421               | 422     | 0.4%   |
| March   | 1,244   | 1,244   | 0.0%   | 897          | 900     | 0.4%   | 7            | 7       | -1.9%  | 121    | 150    | 23.3%  | 6        | 6     | 0.0%   | 6                  | 6     | 13.6%  | 493               | 501     | 1.6%   |
| April   | 681     | 400     | -41.3% | 36           | 34      | -3.5%  | 7            | 7       | 0.0%   | 7      | 6      | -5.1%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 162               | 100     | -38.2% |
| May   | 978     | 564     | -42.4% | 268          | 179     | -33.4% | 232          | 224     | -3.3%  | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 335               | 216     | -35.4% |
| June  | 726     | 440     | -39.3% | 145          | 67      | -53.4% | 23           | 30      | 29.4%  | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 208               | 123     | -40.6% |
| July  | 27      | 7       | -73.8% | 7            | 7       | 0.0%   | 7            | 7       | 0.0%   | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 11                | 7       | -39.3% |
| August  | 7       | 7       | 0.0%   | 7            | 7       | 0.0%   | 7            | 7       | 0.0%   | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 7                 | 7       | -0.4%  |
| September   | 7       | 7       | 0.0%   | 7            | 7       | 0.0%   | 7            | 7       | 0.0%   | 6      | 6      | -1.7%  | 6        | 6     | 0.0%   | 6                  | 6     | 0.0%   | 7                 | 7       | -0.4%  |
| Average AF/yr   | 326,091 | 266,357 | -18.3% | 183,668      | 173,576 | -5.5%  | 125,931      | 125,840 | -0.1%  | 44,843 | 46,534 | 3.8%   | 3,644    | 3,727 | 2.3%   | 3,982              | 4,028 | 1.2%   | 154,281           | 138,580 | -10.2% |

| Yuba River above New Colgate Power House (Average monthly flow, cfs) |         |         |        |              |         |        |              |         |        |         |         |        |          |        |        |                    |         |        |                   |         |        |
|--|---------|---------|--------|--------------|---------|--------|--------------|---------|--------|---------|---------|--------|----------|--------|--------|--------------------|---------|--------|-------------------|---------|--------|
| Month  | Wet     |         |        | Above Normal |         |        | Below Normal |         |        | Dry     |         |        | Critical |        |        | Extremely Critical |         |        | Average All Years |         |        |
|  | Base    | Alt     | Change | Base         | Alt     | Change | Base         | Alt     | Change | Base    | Alt     | Change | Base     | Alt    | Change | Base               | Alt     | Change | Base              | Alt     | Change |
| October  | 59      | 60      | 1.0%   | 56           | 57      | 0.3%   | 53           | 53      | 0.0%   | 49      | 48      | -1.2%  | 33       | 33     | 0.0%   | 27                 | 27      | 0.0%   | 52                | 52      | 0.1%   |
| November   | 156     | 156     | 0.0%   | 151          | 151     | 0.0%   | 77           | 77      | 0.0%   | 148     | 146     | -0.8%  | 92       | 92     | 0.0%   | 48                 | 48      | 0.0%   | 134               | 134     | -0.2%  |
| December   | 822     | 822     | -0.1%  | 555          | 555     | 0.0%   | 512          | 512     | 0.0%   | 804     | 803     | -0.1%  | 83       | 83     | 0.0%   | 178                | 178     | 0.0%   | 625               | 625     | -0.1%  |
| January  | 1,298   | 1,298   | 0.0%   | 1,531        | 1,531   | 0.0%   | 1,793        | 1,793   | 0.0%   | 479     | 478     | -0.2%  | 118      | 118    | 0.0%   | 995                | 995     | 0.0%   | 1,165             | 1,165   | 0.0%   |
| February   | 1,293   | 1,303   | 0.8%   | 1,089        | 1,084   | -0.5%  | 1,260        | 1,258   | -0.2%  | 228     | 230     | 0.8%   | 48       | 59     | 24.2%  | 51                 | 51      | 0.0%   | 919               | 919     | 0.1%   |
| March  | 1,899   | 1,899   | 0.0%   | 1,666        | 1,667   | 0.1%   | 336          | 335     | -0.3%  | 482     | 510     | 5.9%   | 213      | 219    | 2.9%   | 995                | 995     | 0.0%   | 995               | 1,002   | 0.7%   |
| April  | 1,479   | 2,065   | 39.6%  | 330          | 718     | 117.7% | 249          | 249     | 0.0%   | 155     | 152     | -2.3%  | 107      | 107    | 0.0%   | 59                 | 59      | 0.0%   | 508               | 740     | 45.6%  |
| May  | 1,591   | 1,970   | 23.8%  | 555          | 879     | 58.3%  | 568          | 560     | -1.4%  | 120     | 118     | -1.3%  | 81       | 81     | 0.0%   | 88                 | 88      | 0.0%   | 643               | 819     | 27.4%  |
| June   | 984     | 1,225   | 24.6%  | 267          | 443     | 65.6%  | 115          | 121     | 5.9%   | 77      | 76      | -1.5%  | 56       | 56     | 0.0%   | 52                 | 52      | 0.0%   | 336               | 441     | 31.3%  |
| July   | 91      | 227     | 150.8% | 60           | 109     | 82.6%  | 58           | 58      | 0.0%   | 50      | 49      | -0.5%  | 40       | 40     | 0.0%   | 26                 | 26      | 0.0%   | 62                | 106     | 71.9%  |
| August   | 56      | 77      | 38.0%  | 54           | 63      | 15.7%  | 50           | 50      | 0.0%   | 41      | 41      | 0.1%   | 35       | 35     | 0.0%   | 21                 | 21      | 0.0%   | 49                | 56      | 14.8%  |
| September  | 55      | 67      | 22.0%  | 53           | 56      | 5.8%   | 46           | 46      | 0.0%   | 39      | 39      | -0.4%  | 33       | 33     | 0.0%   | 25                 | 25      | 0.0%   | 47                | 51      | 7.5%   |
| Average AF/yr  | 588,503 | 672,018 | 14.2%  | 383,414      | 440,365 | 14.9%  | 306,115      | 305,866 | -0.1%  | 162,076 | 163,295 | 0.8%   | 43,827   | 44,471 | 1.5%   | 108,941            | 109,315 | 0.3%   | 332,808           | 367,517 | 10.4%  |

| Yuba River near Smartsville (Average monthly flow, cfs) |           |           |        |              |           |        |              |           |        |           |           |        |          |         |        |                    |         |        |                   |           |        |
|---|-----------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|-----------|-----------|--------|----------|---------|--------|--------------------|---------|--------|-------------------|-----------|--------|
| Month   | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry       |           |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |        |
|   | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base      | Alt       | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change |
| October   | 915       | 908       | -0.7%  | 870          | 869       | -0.1%  | 867          | 867       | 0.0%   | 839       | 802       | -4.4%  | 810      | 778     | -3.9%  | 588                | 588     | 0.0%   | 862               | 850       | -1.4%  |
| November  | 1,366     | 1,363     | -0.3%  | 1,273        | 1,270     | -0.2%  | 864          | 859       | -0.7%  | 1,118     | 1,118     | 0.0%   | 929      | 929     | 0.0%   | 607                | 607     | 0.0%   | 1,160             | 1,158     | -0.2%  |
| December  | 2,699     | 2,698     | 0.0%   | 2,126        | 2,125     | 0.0%   | 2,151        | 2,148     | -0.1%  | 2,058     | 2,057     | 0.0%   | 729      | 729     | 0.0%   | 917                | 915     | -0.3%  | 2,122             | 2,122     | 0.0%   |
| January   | 4,035     | 4,034     | 0.0%   | 3,978        | 3,978     | 0.0%   | 5,236        | 5,373     | 2.6%   | 2,395     | 2,517     | 5.1%   | 720      | 720     | 0.0%   | 2,930              | 2,923   | -0.2%  | 3,565             | 3,611     | 1.3%   |
| February  | 5,826     | 5,837     | 0.2%   | 5,037        | 5,050     | 0.3%   | 3,768        | 3,833     | 1.7%   | 1,453     | 1,467     | 1.0%   | 700      | 700     | 0.0%   | 550                | 700     | 27.3%  | 3,679             | 3,712     | 0.9%   |
| March   | 6,600     | 6,600     | 0.0%   | 6,273        | 6,284     | 0.2%   | 2,303        | 2,325     | 1.0%   | 1,720     | 1,833     | 6.6%   | 919      | 988     | 7.6%   | 919                | 988     | 7.6%   | 3,900             | 3,940     | 1.0%   |
| April   | 5,895     | 5,977     | 1.4%   | 3,461        | 3,510     | 1.4%   | 2,064        | 2,103     | 1.9%   | 1,178     | 1,231     | 4.5%   | 1,047    | 1,047   | 0.0%   | 413                | 417     | 1.0%   | 2,995             | 3,047     | 1.7%   |
| May   | 6,299     | 6,267     | -0.5%  | 4,124        | 4,120     | -0.1%  | 3,822        | 3,661     | -4.2%  | 1,604     | 1,458     | -9.1%  | 1,265    | 1,199   | -5.2%  | 611                | 611     | 0.0%   | 3,702             | 3,629     | -2.0%  |
| June  | 5,464     | 5,505     | 0.7%   | 3,832        | 3,860     | 0.7%   | 3,086        | 2,949     | -4.5%  | 1,516     | 1,463     | -3.5%  | 1,311    | 1,278   | -2.5%  | 681                | 681     | 0.0%   | 3,293             | 3,273     | -0.6%  |
| July  | 3,096     | 3,093     | -0.1%  | 2,407        | 2,382     | -1.0%  | 1,991        | 1,958     | -1.6%  | 1,460     | 1,417     | -3.0%  | 1,397    | 1,363   | -2.4%  | 549                | 549     | 0.0%   | 2,160             | 2,134     | -1.2%  |
| August  | 2,311     | 2,259     | -2.3%  | 1,768        | 1,730     | -2.1%  | 1,450        | 1,477     | 1.9%   | 1,202     | 1,176     | -2.2%  | 1,113    | 1,079   | -3.0%  | 406                | 406     | 0.0%   | 1,627             | 1,601     | -1.6%  |
| September   | 992       | 984       | -0.7%  | 918          | 915       | -0.4%  | 875          | 881       | 0.7%   | 800       | 780       | -2.5%  | 722      | 704     | -2.4%  | 203                | 203     | 0.0%   | 869               | 862       | -0.8%  |
| Average AF/yr   | 2,735,639 | 2,737,070 | 0.1%   | 2,168,820    | 2,170,276 | 0.1%   | 1,714,841    | 1,712,012 | -0.2%  | 1,048,481 | 1,047,030 | -0.1%  | 648,391  | 635,290 | -2.0%  | 569,400            | 581,679 | 2.2%   | 1,802,292         | 1,802,247 | 0.0%   |

\*Water Year Classifications based on Smartsville Index

Model Output Summary - Flows

| Yuba River near Marysville (Average monthly flow, cfs) |           |           |        |              |           |        |              |           |        |         |         |        |          |         |        |                    |         |        |                   |           |        |
|--|-----------|-----------|--------|--------------|-----------|--------|--------------|-----------|--------|---------|---------|--------|----------|---------|--------|--------------------|---------|--------|-------------------|-----------|--------|
| Month  | Wet       |           |        | Above Normal |           |        | Below Normal |           |        | Dry     |         |        | Critical |         |        | Extremely Critical |         |        | Average All Years |           |        |
|  | Base      | Alt       | Change | Base         | Alt       | Change | Base         | Alt       | Change | Base    | Alt     | Change | Base     | Alt     | Change | Base               | Alt     | Change | Base              | Alt       | Change |
| October  | 587       | 580       | -1.2%  | 541          | 540       | -0.2%  | 520          | 521       | 0.0%   | 509     | 472     | -7.2%  | 435      | 403     | -7.3%  | 400                | 400     | 0.0%   | 531               | 519       | -2.3%  |
| November   | 1,074     | 1,071     | -0.3%  | 980          | 977       | -0.3%  | 542          | 536       | -1.1%  | 814     | 814     | 0.0%   | 622      | 622     | 0.0%   | 406                | 406     | 0.0%   | 862               | 860       | -0.3%  |
| December   | 2,663     | 2,662     | 0.0%   | 2,060        | 2,059     | 0.0%   | 2,182        | 2,180     | -0.1%  | 1,991   | 1,991   | 0.0%   | 590      | 590     | 0.0%   | 865                | 862     | -0.3%  | 2,073             | 2,072     | 0.0%   |
| January  | 4,451     | 4,451     | 0.0%   | 4,290        | 4,290     | 0.0%   | 5,722        | 5,859     | 2.4%   | 2,721   | 2,843   | 4.5%   | 724      | 724     | 0.0%   | 3,948              | 3,941   | -0.2%  | 3,925             | 3,972     | 1.2%   |
| February   | 6,515     | 6,527     | 0.2%   | 5,858        | 5,872     | 0.2%   | 4,284        | 4,349     | 1.5%   | 1,779   | 1,793   | 0.8%   | 705      | 705     | 0.0%   | 568                | 718     | 26.4%  | 4,221             | 4,254     | 0.8%   |
| March  | 7,534     | 7,534     | 0.0%   | 7,262        | 7,274     | 0.2%   | 2,658        | 2,680     | 0.9%   | 1,961   | 2,074   | 5.8%   |          |         | 0.0%   | 1,302              | 1,371   | 5.3%   | 4,496             | 4,536     | 0.9%   |
| April  | 6,576     | 6,658     | 1.3%   | 3,674        | 3,723     | 1.3%   | 1,995        | 2,033     | 1.9%   | 886     | 939     | 6.0%   | 762      | 762     | 0.0%   | 252                | 256     | 1.6%   | 3,105             | 3,156     | 1.7%   |
| May  | 5,888     | 5,856     | -0.5%  | 3,619        | 3,615     | -0.1%  | 3,210        | 3,048     | -5.0%  | 878     | 732     | -16.6% | 530      | 465     | -12.4% | 245                | 245     | 0.0%   | 3,137             | 3,065     | -2.3%  |
| June   | 4,672     | 4,713     | 0.9%   | 3,016        | 3,044     | 0.9%   | 2,230        | 2,092     | -6.2%  | 642     | 589     | -8.2%  | 433      | 400     | -7.7%  | 245                | 245     | 0.0%   | 2,468             | 2,447     | -0.8%  |
| July   | 2,083     | 2,080     | -0.2%  | 1,393        | 1,368     | -1.8%  | 1,023        | 990       | -3.2%  | 500     | 457     | -8.7%  | 433      | 400     | -7.7%  | 70                 | 70      | 0.0%   | 1,183             | 1,157     | -2.2%  |
| August   | 1,424     | 1,372     | -3.7%  | 897          | 860       | -4.2%  | 743          | 770       | 3.7%   | 524     | 498     | -5.0%  | 433      | 400     | -7.7%  | 70                 | 70      | 0.0%   | 850               | 825       | -3.1%  |
| September  | 675       | 668       | -1.1%  | 603          | 600       | -0.6%  | 599          | 605       | 1.0%   | 531     | 511     | -3.8%  | 450      | 433     | -3.9%  | 70                 | 70      | 0.0%   | 578               | 571       | -1.3%  |
| Average AF/yr  | 2,649,658 | 2,651,089 | 0.1%   | 2,051,164    | 2,052,620 | 0.1%   | 1,544,492    | 1,541,663 | -0.2%  | 828,321 | 826,869 | -0.2%  | 367,566  | 354,465 | -3.6%  | 513,609            | 525,888 | 2.4%   | 1,647,538         | 1,647,492 | 0.0%   |

\*Water Year Classifications based on Smartsville Index