

| General Assumptions                     |                              |                              |
|---|------------------------------|------------------------------|
| Model Configuration                     |                              |                              |
| Model Scenario:                         | Base Case                    | RP090914                     |
| Water Balance/Operations Model Version: | 1.22                         | 1.22                         |
| Scenario Run Date:                      | 9/17/2014                    | 9/17/2014                    |
| 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?  | Perfect Foresight            | Perfect Foresight            |
| 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 | Smartsville Index |
| Water-Year Classification below Log Cabin Dam:        | Existing FERC License | Smartsville Index |
| Water-Year Classification below New Bullards Bar Dam: | Existing FERC License | Smartsville Index |
| Water-Year Classification below Englebright Dam:      | North Yuba Index      | North Yuba Index  |
| Flow Requirements below Our House Dam:                | Existing FERC License | RP081513          |
| Flow Requirements below Log Cabin Dam:                | Existing FERC License | RP081513          |
| Flow Requirements below New Bullards Bar Dam:         | Existing FERC License | RP092413          |
| 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: |   |
|--------|---|
|        | Includes:<br>-Spill Cessation at LCD and OHD: Close the tunnels when NBB storage is greater than 780 TAF or according to a table of recession flows.<br>-FLA NBB spill recession<br>-1000 cfs (OC)/3000 cfs(MYR) sediment transport flow<br>-800-2000 cfs weekend recreation flow |

| Timeseries Assumptions                      |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
|---|------|------|------|------|------|------|--------------|-----------|------|----------|-----------|------|--------|------|
| Flow Requirements below Our House Dam (cfs) |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| Base Case                                   |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| 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   |
| RP081513                                    |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| 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  |
| Extremely Critical                          | 50   | 50   | 50   | 50   | 50   | 50   | 50           | 50        | 50   | 50       | 50        | 50   | 50     | 50   |
| Critical                                    | 50   | 50   | 50   | 50   | 50   | 50   | 60           | 60        | 60   | 60       | 60        | 50   | 50     | 50   |
| Dry   | 50   | 50   | 50   | 50   | 50   | 50   | 70           | 70        | 70   | 70       | 70        | 50   | 50     | 50   |
| Below Normal                                | 50   | 50   | 70   | 70   | 70   | 70   | 120          | 120       | 120  | 120      | 120       | 70   | 70     | 60   |
| Above Normal                                | 60   | 60   | 100  | 100  | 100  | 100  | 140          | 140       | 140  | 140      | 140       | 100  | 100    | 80   |
| Wet   | 60   | 60   | 120  | 120  | 120  | 120  | 140          | 140       | 140  | 140      | 140       | 120  | 120    | 80   |

| Flow Requirements below Log Cabin Dam (cfs) |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
|---|-----|-----|-----|-----|-----|-----|--------------|-----------|------|----------|-----------|------|--------|-----|
| Base Case                                   |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
| 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 |
| RP081513                                    |     |     |     |     |     |     |              |           |      |          |           |      |        |     |
| 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 |
| Extremely Critical                          | 6   | 6   | 6   | 6   | 6   | 12  | 18           | 18        | 18   | 18       | 18        | 6    | 6      | 6   |
| Critical                                    | 6   | 6   | 6   | 6   | 6   | 12  | 18           | 18        | 18   | 18       | 18        | 6    | 6      | 6   |
| Dry   | 6   | 6   | 10  | 10  | 10  | 16  | 18           | 18        | 18   | 18       | 18        | 10   | 10     | 6   |
| Below Normal                                | 6   | 6   | 15  | 15  | 15  | 20  | 32           | 32        | 32   | 32       | 32        | 15   | 15     | 6   |
| Above Normal                                | 8   | 8   | 20  | 20  | 20  | 30  | 55           | 55        | 55   | 55       | 55        | 20   | 20     | 8   |
| Wet   | 8   | 8   | 25  | 25  | 25  | 40  | 55           | 55        | 55   | 55       | 55        | 25   | 25     | 8   |

| Flow Requirements below New Bullards Bar Dam (cfs) |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
|--|------|------|------|------|------|------|--------------|-----------|------|----------|-----------|------|--------|------|
| Base Case  |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| 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  |
| RP092413   |      |      |      |      |      |      |              |           |      |          |           |      |        |      |
| 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  |
| Extremely Critical                                 | 90   | 90   | 90   | 90   | 100  | 120  | 140          | 140       | 120  | 120      | 120       | 100  | 90     | 90   |
| Critical   | 90   | 90   | 90   | 90   | 100  | 120  | 140          | 140       | 120  | 120      | 120       | 100  | 90     | 90   |
| Dry  | 90   | 90   | 90   | 90   | 100  | 120  | 140          | 140       | 120  | 120      | 120       | 100  | 90     | 90   |
| Below Normal                                       | 90   | 90   | 90   | 90   | 100  | 120  | 140          | 140       | 120  | 120      | 120       | 100  | 90     | 90   |
| Above Normal                                       | 90   | 90   | 90   | 90   | 100  | 120  | 220          | 220       | 220  | 220      | 220       | 100  | 90     | 90   |
| Wet  | 90   | 90   | 90   | 90   | 100  | 250  | 300          | 300       | 300  | 300      | 300       | 150  | 90     | 90   |

**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>RP090914</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) | 1,693,098 | 1,474,656 | -12.9% | 1,340,403    | 1,158,450 | -13.6% | 1,187,932    | 1,074,594 | -9.5%  | 838,770   | 738,299   | -12.0% | 759,266   | 668,580   | -11.9% | 468,112            | 381,413 | -18.5%  | 1,224,946         | 1,071,404 | -153,542 | -12.5% |
| Narrows 2 Powerhouse Generation (Average MWh/yr)   | 266,250   | 262,939   | -1.2%  | 196,118      | 194,873   | -0.6%  | 166,736      | 167,201   | 0.3%   | 100,300   | 100,313   | 0.0%   | 77,684    | 78,319    | 0.8%   | 84,053             | 84,222  | 0.0%    | 175,437           | 174,387   | -1,051   | -0.6%  |
| Total YRDP Generation (Average MWh/yr)             | 1,959,348 | 1,737,595 | -11.3% | 1,536,521    | 1,353,323 | -11.9% | 1,354,668    | 1,241,795 | -8.3%  | 939,070   | 838,612   | -10.7% | 836,951   | 746,898   | -10.8% | 552,165            | 465,635 | -15.7%  | 1,400,383         | 1,245,791 | -154,592 | -11.0% |
| 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)               | 138,609   | 288,956   | 108.5% | 50,740       | 119,084   | 134.7% | 52,080       | 81,010    | 55.6%  | 62,731    | 77,463    | 23.5%  | 51,374    | 64,075    | 24.7%  | 45,922             | 54,285  | 18.2%   | 73,657            | 137,220   | 63,563   | 86.3%  |
| MYR Near Confluence with NYR (Avg. AF/yr)          | 263,912   | 438,242   | 66.1%  | 115,869      | 196,854   | 69.9%  | 126,047      | 160,143   | 27.1%  | 132,387   | 150,720   | 13.8%  | 105,383   | 119,778   | 13.7%  | 128,062            | 145,200 | 13.4%   | 154,620           | 229,412   | 74,791   | 48.4%  |
| Oregon Creek and North Yuba River                  |           |           |        |              |           |        |              |           |        |           |           |        |           |           |        |                    |         |         |                   |           |          |        |
| Oregon Creek below Log Cabin Dam (Avg. AF/yr)      | 34,863    | 58,966    | 69.1%  | 12,923       | 25,567    | 97.8%  | 16,522       | 21,722    | 31.5%  | 18,554    | 22,239    | 19.9%  | 15,898    | 17,591    | 10.7%  | 20,309             | 29,063  | 43.1%   | 20,204            | 31,482    | 11,278   | 55.8%  |
| NYR below New Bullards Bar Dam (Avg. AF/yr)        | 361,914   | 384,962   | 6.4%   | 73,318       | 151,885   | 107.2% | 86,652       | 152,706   | 76.2%  | 135,128   | 200,281   | 48.2%  | 92,916    | 159,846   | 72.0%  | 3,982              | 76,225  | 1814.3% | 154,774           | 215,276   | 60,501   | 39.1%  |
| Yuba River   |           |           |        |              |           |        |              |           |        |           |           |        |           |           |        |                    |         |         |                   |           |          |        |
| Yuba River above New Colgate PH (Avg. AF/yr)       | 661,193   | 858,525   | 29.8%  | 209,603      | 369,155   | 76.1%  | 235,164      | 335,301   | 42.6%  | 287,500   | 370,953   | 29.0%  | 213,203   | 294,529   | 38.1%  | 156,224            | 245,613 | 57.2%   | 333,156           | 468,429   | 135,273  | 40.6%  |
| Yuba River near Smartsville (Avg. AF/yr)           | 2,823,038 | 2,825,273 | 0.1%   | 1,709,879    | 1,709,904 | 0.0%   | 1,607,244    | 1,608,998 | 0.1%   | 1,321,203 | 1,318,166 | -0.2%  | 1,124,056 | 1,124,693 | 0.1%   | 934,102            | 937,133 | 0.3%    | 1,802,229         | 1,802,250 | 21       | 0.0%   |
| Yuba River near Marysville (Avg. AF/yr)            | 2,754,605 | 2,756,840 | 0.1%   | 1,524,055    | 1,524,081 | 0.0%   | 1,433,436    | 1,435,190 | 0.1%   | 1,134,061 | 1,131,024 | -0.3%  | 919,990   | 920,626   | 0.1%   | 912,170            | 914,824 | 0.3%    | 1,647,475         | 1,647,486 | 12       | 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)                             | 653,722   | 651,947   | -0.3%  | 644,498      | 647,037   | 0.4%   | 649,472      | 655,769   | 1.0%   | 582,985   | 583,990   | 0.2%   | 240,747   | 238,830   | -0.8%  | 240,747            | 238,830 | -0.8%   | 613,024           | 614,165   | 1,141    | 0.2%   |

\*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   | 53,731    | 46,475    | -13.5% | 51,398       | 45,367    | -11.7% | 50,676       | 45,422    | -10.4% | 47,405  | 41,087  | -13.3% | 45,232   | 39,368  | -13.0% | 29,336             | 24,292  | -17.2% | 50,013            | 43,751    | -12.5% |
| November  | 60,434    | 53,295    | -11.8% | 54,763       | 48,188    | -12.0% | 40,866       | 40,785    | -0.2%  | 46,294  | 41,575  | -10.2% | 43,968   | 37,746  | -14.2% | 25,016             | 20,016  | -20.0% | 51,077            | 45,628    | -10.7% |
| December  | 92,113    | 82,406    | -10.5% | 62,413       | 53,440    | -14.4% | 57,060       | 49,088    | -14.0% | 49,221  | 42,516  | -13.6% | 24,744   | 18,480  | -25.3% | 13,153             | 9,874   | -24.9% | 62,150            | 53,955    | -13.2% |
| January   | 132,765   | 123,715   | -6.8%  | 97,209       | 90,162    | -7.2%  | 128,360      | 121,327   | -5.5%  | 65,508  | 58,814  | -10.2% | 58,871   | 51,671  | -12.2% | 1,438              | 1,564   | 8.8%   | 97,580            | 90,287    | -7.5%  |
| February  | 158,941   | 151,153   | -4.9%  | 90,473       | 82,195    | -9.1%  | 132,394      | 125,152   | -5.5%  | 72,724  | 67,154  | -7.7%  | 84,410   | 78,496  | -7.0%  | 83,213             | 58,565  | -29.6% | 107,737           | 100,076   | -7.1%  |
| March   | 167,301   | 148,351   | -11.3% | 100,990      | 87,639    | -13.2% | 117,434      | 106,068   | -9.7%  | 119,312 | 112,058 | -6.1%  | 88,638   | 82,152  | -7.3%  | 187,743            | 178,948 | -4.7%  | 124,403           | 111,880   | -10.1% |
| April   | 187,702   | 135,360   | -27.9% | 145,166      | 106,845   | -26.4% | 80,599       | 60,134    | -25.4% | 46,245  | 32,443  | -29.8% | 60,299   | 47,370  | -21.4% | 15,329             | 6,651   | -56.6% | 113,964           | 83,141    | -27.0% |
| May   | 212,696   | 169,395   | -20.4% | 190,181      | 152,981   | -19.6% | 153,341      | 134,546   | -12.3% | 81,519  | 68,339  | -16.2% | 73,233   | 62,127  | -15.2% | 23,048             | 14,417  | -37.4% | 153,246           | 125,279   | -18.2% |
| June  | 218,814   | 194,580   | -11.1% | 205,226      | 177,351   | -13.6% | 153,527      | 136,511   | -11.1% | 91,408  | 77,359  | -15.4% | 80,401   | 70,819  | -11.9% | 33,341             | 25,722  | -22.9% | 162,333           | 141,714   | -12.7% |
| July  | 193,193   | 173,299   | -10.3% | 166,588      | 153,020   | -8.1%  | 124,486      | 113,686   | -8.7%  | 95,198  | 87,510  | -8.1%  | 89,591   | 82,461  | -8.0%  | 28,741             | 22,880  | -20.4% | 141,600           | 128,998   | -8.9%  |
| August  | 155,573   | 144,300   | -7.2%  | 120,555      | 111,133   | -7.8%  | 95,806       | 92,111    | -3.9%  | 77,599  | 70,124  | -9.6%  | 68,192   | 62,049  | -9.0%  | 20,241             | 15,158  | -25.1% | 108,913           | 100,696   | -7.5%  |
| September   | 59,835    | 52,327    | -12.5% | 55,442       | 50,130    | -9.6%  | 53,380       | 49,764    | -6.8%  | 46,337  | 39,321  | -15.1% | 41,687   | 35,841  | -14.0% | 7,513              | 3,326   | -55.7% | 51,930            | 45,999    | -11.4% |
| Average MWh/  | 1,693,098 | 1,474,656 | -12.9% | 1,340,403    | 1,158,450 | -13.6% | 1,187,932    | 1,074,594 | -9.5%  | 838,770 | 738,299 | -12.0% | 759,266  | 668,580 | -11.9% | 468,112            | 381,413 | -18.5% | 1,224,946         | 1,071,404 | -12.5% |

| 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   | 4,803   | 4,615   | -3.9%  | 3,695        | 4,031   | 9.1%   | 2,893        | 3,657   | 26.4%  | 1,425   | 1,395   | -2.1%  | 0        | 0      | 0.0%   | 0                  | 0      | 0.0%   | 3,009             | 3,156   | 4.9%   |
| November  | 5,205   | 5,214   | 0.2%   | 4,100        | 4,251   | 3.7%   | 764          | 1,789   | 134.1% | 2,138   | 2,292   | 7.2%   | 0        | 0      | 0.0%   | 0                  | 273    | 0.0%   | 3,132             | 3,347   | 6.9%   |
| December  | 15,737  | 15,948  | 1.3%   | 7,877        | 8,092   | 2.7%   | 8,624        | 8,785   | 1.9%   | 4,971   | 5,133   | 3.3%   | 1,355    | 1,402  | 3.5%   | 4,091              | 4,225  | 3.3%   | 8,678             | 8,859   | 2.1%   |
| January   | 24,365  | 24,247  | -0.5%  | 15,352       | 15,671  | 2.1%   | 25,096       | 25,244  | 0.6%   | 10,754  | 11,040  | 2.7%   | 11,442   | 11,838 | 3.5%   | 19,019             | 21,254 | 11.7%  | 17,532            | 17,769  | 1.4%   |
| February  | 29,554  | 29,365  | -0.6%  | 16,502       | 16,463  | -0.2%  | 23,877       | 23,764  | -0.5%  | 15,135  | 15,148  | 0.1%   | 11,478   | 11,479 | 0.0%   | 23,274             | 20,784 | -10.7% | 20,074            | 19,944  | -0.6%  |
| March   | 31,172  | 31,371  | 0.6%   | 21,160       | 21,201  | 0.2%   | 22,301       | 22,345  | 0.2%   | 23,175  | 23,487  | 1.3%   | 13,197   | 13,386 | 1.4%   | 37,669             | 37,687 | 0.0%   | 24,004            | 24,153  | 0.6%   |
| April   | 34,485  | 34,298  | -0.5%  | 26,749       | 26,494  | -1.0%  | 14,090       | 13,458  | -4.5%  | 7,471   | 7,041   | -5.7%  | 7,733    | 7,733  | 0.0%   | 0                  | 0      | 0.0%   | 20,319            | 20,010  | -1.5%  |
| May   | 35,811  | 35,632  | -0.5%  | 32,973       | 32,762  | -0.6%  | 25,271       | 24,631  | -2.5%  | 9,188   | 9,157   | -0.3%  | 8,461    | 8,461  | 0.0%   | 0                  | 0      | 0.0%   | 24,650            | 24,443  | -0.8%  |
| June  | 33,859  | 33,682  | -0.5%  | 31,157       | 30,634  | -1.7%  | 19,396       | 18,452  | -4.9%  | 8,666   | 8,393   | -3.1%  | 8,188    | 8,188  | 0.0%   | 0                  | 0      | 0.0%   | 22,651            | 22,249  | -1.8%  |
| July  | 26,153  | 24,987  | -4.5%  | 19,962       | 18,900  | -5.3%  | 12,162       | 11,991  | -1.4%  | 8,461   | 8,461   | 0.0%   | 8,461    | 8,461  | 0.0%   | 0                  | 0      | 0.0%   | 16,327            | 15,709  | -3.8%  |
| August  | 18,545  | 17,027  | -8.2%  | 11,593       | 10,999  | -5.1%  | 9,214        | 9,173   | -0.4%  | 7,976   | 7,976   | 0.0%   | 7,369    | 7,369  | 0.0%   | 0                  | 0      | 0.0%   | 11,385            | 10,858  | -4.6%  |
| September   | 6,561   | 6,553   | -0.1%  | 4,997        | 5,375   | 7.6%   | 3,048        | 3,912   | 28.4%  | 940     | 788     | -16.1% | 0        | 0      | 0.0%   | 0                  | 0      | 0.0%   | 3,677             | 3,888   | 5.7%   |
| Average MWh/  | 266,250 | 262,939 | -1.2%  | 196,118      | 194,873 | -0.6%  | 166,736      | 167,201 | 0.3%   | 100,300 | 100,313 | 0.0%   | 77,684   | 78,319 | 0.8%   | 84,053             | 84,222 | 0.2%   | 175,437           | 174,387 | -0.6%  |

Model Output Summary - Miscellaneous Values

| End of September New Bullards Bar Reservoir Storage (AF) |         |         |        |
|--|---------|---------|--------|
| WY Classification  | Base    | Alt     | Change |
| Wet  | 653,722 | 651,947 | -0.3%  |
| Above Normal   | 644,498 | 647,037 | 0.4%   |
| Below Normal   | 649,472 | 655,769 | 1.0%   |
| Dry  | 582,985 | 583,990 | 0.2%   |
| Critical   | 495,854 | 490,793 | -1.0%  |
| Extremely Critical                                       | 240,747 | 238,830 | -0.8%  |
| Average All Years  | 613,024 | 614,165 | 0.2%   |

| 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%  | 0.2%   |
| 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  | 13   | 12  | -7.7%   |
| Above Normal   | 96   | 96  | 0.0%    |
| Below Normal   | 8    | 0   | -100.0% |
| Dry  | 26   | 35  | 34.6%   |
| Critical   | 0    | 0   | 0.0%    |
| Extremely Critical   | 0    | 0   | 0.0%    |
| Total All Years  | 143  | 143 | 0.0%    |

| Recurrence of North Yuba Index Year Types (Years) |      |     |        |
|---|------|-----|--------|
| Flow Sched.                                       | Base | Alt | Change |
| Sched. 1  | 23   | 21  | -2     |
| Sched. 2  | 8    | 10  | 2      |
| Sched. 3  | 2    | 2   | 0      |
| Sched. 4  | 6    | 5   | -1     |
| Sched. 5  | 1    | 2   | 1      |
| 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  | 1,886 | 1,886 | 0.0%   |
| Below Normal  | 1,887 | 1,889 | 0.1%   |
| Dry   | 1,868 | 1,868 | 0.0%   |
| Critical  | 1,843 | 1,841 | -0.1%  |
| Extremely Critical  | 1,737 | 1,736 | -0.1%  |
| Average All Years   | 1,876 | 1,876 | 0.0%   |

| 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   | 180  | 178 | -2     |
| Average All Years  | 361  | 361 | 0      |

| 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  | 348 | 0      |
| Above Normal  | 355  | 355 | 0      |
| Below Normal  | 365  | 365 | 0      |
| Dry   | 294  | 294 | 0      |
| Critical  | 191  | 185 | -6     |
| Extremely Critical  | 60   | 55  | -5     |
| Average All Years   | 322  | 321 | -1     |

\*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      | 47      | 38.2%  | 33           | 42      | 29.3%  | 31           | 39     | 26.9%  | 27     | 31     | 14.9%  | 24       | 26     | 9.6%   | 17                 | 17     | 0.0%   | 30                | 39      | 27.1%  |
| November  | 70      | 103     | 47.1%  | 57           | 82      | 45.4%  | 33           | 48     | 46.8%  | 86     | 110    | 28.5%  | 24       | 37     | 55.6%  | 22                 | 31     | 36.7%  | 60                | 85      | 40.9%  |
| December  | 259     | 339     | 30.9%  | 106          | 159     | 50.5%  | 48           | 100    | 107.6% | 142    | 162    | 14.3%  | 32       | 53     | 67.6%  | 38                 | 55     | 43.1%  | 137               | 186     | 35.9%  |
| January   | 472     | 544     | 15.5%  | 111          | 171     | 53.4%  | 273          | 336    | 23.3%  | 63     | 91     | 45.3%  | 230      | 270    | 17.6%  | 302                | 321    | 6.2%   | 222               | 276     | 24.4%  |
| February  | 179     | 307     | 71.3%  | 84           | 161     | 92.6%  | 148          | 193    | 30.4%  | 312    | 339    | 8.8%   | 26       | 49     | 89.7%  | 57                 | 83     | 45.5%  | 160               | 229     | 43.5%  |
| March   | 157     | 255     | 63.1%  | 98           | 178     | 80.9%  | 48           | 88     | 82.8%  | 222    | 259    | 16.6%  | 336      | 358    | 6.4%   | 173                | 196    | 12.9%  | 153               | 217     | 42.1%  |
| April   | 374     | 1084    | 189.4% | 57           | 341     | 498.0% | 47           | 130    | 179.9% | 38     | 73     | 93.1%  | 31       | 63     | 103.2% | 31                 | 53     | 70.0%  | 118               | 387     | 226.8% |
| May   | 457     | 1151    | 152.2% | 129          | 382     | 195.1% | 99           | 181    | 82.2%  | 47     | 73     | 56.0%  | 38       | 63     | 65.8%  | 38                 | 53     | 39.5%  | 170               | 422     | 148.7% |
| June  | 188     | 665     | 252.9% | 67           | 282     | 320.4% | 43           | 108    | 147.7% | 38     | 66     | 75.8%  | 31       | 51     | 64.8%  | 31                 | 42     | 35.5%  | 80                | 271     | 236.9% |
| July  | 38      | 188     | 396.6% | 33           | 89      | 171.0% | 33           | 53     | 61.5%  | 29     | 40     | 37.5%  | 24       | 31     | 28.2%  | 17                 | 17     | 0.4%   | 32                | 89      | 176.4% |
| August  | 33      | 58      | 76.7%  | 33           | 48      | 45.9%  | 32           | 37     | 15.0%  | 27     | 29     | 6.8%   | 23       | 26     | 12.8%  | 13                 | 13     | 0.0%   | 30                | 42      | 38.4%  |
| September   | 33      | 49      | 48.8%  | 33           | 41      | 25.8%  | 30           | 32     | 4.9%   | 26     | 27     | 3.3%   | 23       | 25     | 6.9%   | 15                 | 16     | 1.4%   | 30                | 37      | 22.6%  |
| Average AF/yr   | 138,609 | 288,956 | 108.5% | 50,740       | 119,084 | 134.7% | 52,080       | 81,010 | 55.6%  | 62,731 | 77,463 | 23.5%  | 51,374   | 64,075 | 24.7%  | 45,922             | 54,285 | 18.2%  | 73,657            | 137,220 | 86.3%  |

| 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   | 50      | 59      | 18.9%  | 46           | 53      | 15.4%  | 43           | 50      | 15.8%  | 38      | 41      | 8.5%   | 30       | 30      | 2.2%   | 21                 | 21      | 0.0%   | 43                | 49      | 14.3%  |
| November  | 135     | 165     | 22.6%  | 117          | 139     | 18.7%  | 64           | 77      | 20.2%  | 141     | 171     | 20.6%  | 37       | 49      | 32.2%  | 38                 | 46      | 21.5%  | 113               | 136     | 20.8%  |
| December  | 531     | 639     | 20.3%  | 216          | 276     | 27.5%  | 132          | 188     | 42.6%  | 275     | 298     | 8.2%   | 93       | 112     | 20.4%  | 138                | 154     | 11.4%  | 285               | 344     | 20.7%  |
| January   | 906     | 1005    | 10.9%  | 259          | 343     | 32.2%  | 654          | 740     | 13.2%  | 192     | 235     | 22.5%  | 554      | 608     | 9.8%   | 840                | 979     | 16.6%  | 486               | 564     | 16.1%  |
| February  | 546     | 682     | 25.0%  | 249          | 341     | 37.1%  | 403          | 450     | 11.7%  | 657     | 688     | 4.7%   | 105      | 128     | 22.0%  | 303                | 328     | 8.3%   | 420               | 498     | 18.4%  |
| March   | 451     | 577     | 27.8%  | 334          | 434     | 30.0%  | 224          | 274     | 22.6%  | 526     | 580     | 10.2%  | 625      | 651     | 4.2%   | 557                | 585     | 4.9%   | 418               | 501     | 19.8%  |
| April   | 721     | 1598    | 121.6% | 215          | 584     | 171.8% | 182          | 288     | 58.1%  | 132     | 178     | 34.5%  | 82       | 125     | 52.2%  | 49                 | 80      | 62.4%  | 289               | 628     | 117.1% |
| May   | 645     | 1458    | 126.3% | 239          | 539     | 126.0% | 198          | 303     | 52.8%  | 97      | 130     | 34.3%  | 69       | 103     | 50.2%  | 72                 | 97      | 34.0%  | 274               | 574     | 109.3% |
| June  | 245     | 752     | 207.2% | 109          | 351     | 221.5% | 76           | 150     | 97.2%  | 64      | 97      | 51.9%  | 46       | 66      | 43.9%  | 44                 | 55      | 25.6%  | 118               | 326     | 176.2% |
| July  | 60      | 213     | 253.1% | 50           | 105     | 112.0% | 48           | 66      | 37.9%  | 41      | 50      | 20.8%  | 33       | 36      | 9.9%   | 20                 | 20      | 0.4%   | 48                | 104     | 116.8% |
| August  | 47      | 69      | 46.1%  | 46           | 56      | 22.9%  | 41           | 43      | 5.8%   | 33      | 34      | 1.8%   | 29       | 31      | 6.7%   | 15                 | 15      | 1.4%   | 41                | 49      | 21.5%  |
| September   | 46      | 60      | 28.1%  | 44           | 48      | 10.1%  | 36           | 37      | 1.7%   | 32      | 32      | 1.2%   | 28       | 29      | 2.8%   | 19                 | 19      | 0.8%   | 39                | 43      | 11.6%  |
| Average AF/yr   | 263,912 | 438,242 | 66.1%  | 115,869      | 196,854 | 69.9%  | 126,047      | 160,143 | 27.1%  | 132,387 | 150,720 | 13.8%  | 105,383  | 119,778 | 13.7%  | 128,062            | 145,200 | 13.4%  | 154,620           | 229,412 | 48.4%  |

| 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  | 9      | 5      | -41.3% | 7            | 5      | -34.4% | 6            | 4      | -25.4% | 4      | 4      | -18.3% | 4        | 2      | -42.7% | 2                  | 2      | 0.0%   | 6                 | 4      | -33.3% |
| November   | 19     | 17     | -13.8% | 17           | 13     | -21.4% | 8            | 6      | -28.6% | 18     | 23     | 25.3%  | 6        | 5      | -24.9% | 4                  | 4      | -0.8%  | 16                | 15     | -7.5%  |
| December   | 91     | 119    | 30.7%  | 29           | 35     | 21.4%  | 16           | 20     | 25.0%  | 44     | 46     | 5.3%   | 11       | 8      | -24.4% | 11                 | 11     | -6.4%  | 44                | 54     | 21.8%  |
| January  | 153    | 179    | 17.1%  | 32           | 56     | 74.5%  | 118          | 141    | 19.7%  | 25     | 40     | 58.7%  | 103      | 117    | 13.6%  | 157                | 277    | 76.7%  | 79                | 103    | 30.4%  |
| February   | 93     | 102    | 9.6%   | 29           | 44     | 52.3%  | 55           | 58     | 4.0%   | 108    | 111    | 3.3%   | 7        | 7      | -2.0%  | 36                 | 36     | -1.9%  | 64                | 72     | 12.6%  |
| March  | 63     | 90     | 42.5%  | 35           | 56     | 59.1%  | 17           | 28     | 62.7%  | 69     | 86     | 24.7%  | 92       | 96     | 4.7%   | 94                 | 99     | 5.2%   | 53                | 72     | 35.2%  |
| April  | 83     | 250    | 202.1% | 13           | 98     | 659.8% | 11           | 33     | 196.3% | 10     | 22     | 110.4% | 8        | 19     | 137.5% | 8                  | 17     | 113.3% | 27                | 97     | 261.8% |
| May  | 31     | 150    | 381.1% | 16           | 65     | 291.8% | 15           | 38     | 152.3% | 12     | 19     | 62.1%  | 9        | 19     | 101.9% | 9                  | 19     | 102.1% | 18                | 65     | 266.0% |
| June   | 11     | 43     | 290.1% | 11           | 37     | 240.2% | 11           | 21     | 91.0%  | 10     | 14     | 49.7%  | 8        | 8      | 1.7%   | 8                  | 8      | 3.5%   | 10                | 28     | 172.2% |
| July   | 9      | 13     | 40.5%  | 9            | 8      | -8.7%  | 9            | 7      | -25.1% | 7      | 5      | -32.2% | 6        | 3      | -57.4% | 1                  | 1      | -4.6%  | 8                 | 8      | -6.5%  |
| August   | 9      | 5      | -40.7% | 9            | 4      | -55.0% | 5            | 3      | -46.1% | 4      | 2      | -34.6% | 3        | 2      | -35.3% | 1                  | 1      | 0.0%   | 6                 | 3      | -46.3% |
| September  | 8      | 5      | -36.5% | 7            | 3      | -54.0% | 3            | 2      | -27.0% | 3      | 2      | -18.8% | 3        | 2      | -29.4% | 2                  | 2      | -5.7%  | 5                 | 3      | -40.8% |
| Average AF/yr  | 34,863 | 58,966 | 69.1%  | 12,923       | 25,567 | 97.8%  | 16,522       | 21,722 | 31.5%  | 18,554 | 22,239 | 19.9%  | 15,898   | 17,591 | 10.7%  | 20,309             | 29,063 | 43.1%  | 20,204            | 31,482 | 55.8%  |

\*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       | 92      | 1214.3% | 7            | 92      | 1214.3% | 7            | 92      | 1214.3% | 6       | 92      | 1352.6% | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 7                 | 92      | 1271.6% |
| November  | 7       | 92      | 1214.3% | 7            | 92      | 1214.3% | 7            | 92      | 1214.3% | 6       | 92      | 1352.6% | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 7                 | 92      | 1271.6% |
| December  | 646     | 698     | 8.0%    | 110          | 184     | 68.0%   | 7            | 92      | 1214.3% | 482     | 569     | 18.1%   | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 299               | 374     | 24.7%   |
| January   | 1,521   | 1,572   | 3.4%    | 401          | 457     | 13.7%   | 757          | 812     | 7.4%    | 70      | 152     | 119.1%  | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 606               | 670     | 10.5%   |
| February  | 444     | 408     | -8.2%   | 59           | 140     | 138.6%  | 494          | 563     | 13.9%   | 1,061   | 1,137   | 7.1%    | 34       | 102     | 201.0%  | 6                  | 102    | 1754.5% | 423               | 472     | 11.7%   |
| March   | 671     | 840     | 25.2%   | 247          | 336     | 35.8%   | 119          | 222     | 86.7%   | 638     | 668     | 4.7%    | 1,426    | 1,482   | 3.9%    | 6                  | 122    | 2118.2% | 501               | 596     | 19.0%   |
| April   | 681     | 637     | -6.5%   | 31           | 222     | 610.9%  | 7            | 142     | 1928.6% | 6       | 142     | 2142.1% | 6        | 142     | 2481.8% | 6                  | 142    | 2481.8% | 162               | 276     | 70.0%   |
| May   | 1,230   | 976     | -20.7%  | 190          | 393     | 106.6%  | 7            | 122     | 1642.9% | 6       | 122     | 1826.3% | 6        | 122     | 2118.2% | 6                  | 122    | 2118.2% | 333               | 395     | 18.6%   |
| June  | 726     | 698     | -3.8%   | 130          | 305     | 134.3%  | 33           | 130     | 291.3%  | 6       | 122     | 1826.3% | 6        | 122     | 2118.2% | 6                  | 122    | 2118.2% | 207               | 308     | 48.3%   |
| July  | 27      | 152     | 469.2%  | 7            | 102     | 1357.1% | 7            | 102     | 1357.1% | 6       | 102     | 1510.5% | 6        | 102     | 1754.5% | 6                  | 102    | 1754.5% | 11                | 113     | 924.0%  |
| August  | 7       | 92      | 1214.3% | 7            | 92      | 1214.3% | 7            | 92      | 1214.3% | 6       | 92      | 1352.6% | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 7                 | 92      | 1271.6% |
| September   | 7       | 92      | 1214.3% | 7            | 92      | 1214.3% | 7            | 92      | 1214.3% | 6       | 92      | 1352.6% | 6        | 92      | 1572.7% | 6                  | 92     | 1572.7% | 7                 | 92      | 1271.6% |
| Average AF/yr   | 361,914 | 384,962 | 6.4%    | 73,318       | 151,885 | 107.2%  | 86,652       | 152,706 | 76.2%   | 135,128 | 200,281 | 48.2%   | 92,916   | 159,846 | 72.0%   | 3,982              | 76,225 | 1814.3% | 154,774           | 215,276 | 39.1%   |

| 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  | 60      | 154     | 158.3% | 56           | 148     | 164.9% | 52           | 144     | 175.2% | 47      | 136     | 188.9% | 36       | 123     | 241.2% | 27                 | 113     | 323.7% | 52                | 144     | 174.9% |
| November   | 159     | 275     | 72.6%  | 142          | 249     | 75.5%  | 80           | 178     | 122.0% | 162     | 277     | 70.7%  | 45       | 143     | 218.9% | 48                 | 143     | 196.8% | 134               | 242     | 81.4%  |
| December   | 1,248   | 1,407   | 12.8%  | 358          | 492     | 37.5%  | 165          | 306     | 85.5%  | 792     | 901     | 13.9%  | 118      | 224     | 89.0%  | 178                | 281     | 57.4%  | 625               | 758     | 21.3%  |
| January  | 2,536   | 2,687   | 5.9%   | 706          | 844     | 19.6%  | 1,513        | 1,655   | 9.4%   | 302     | 428     | 41.7%  | 646      | 787     | 21.8%  | 995                | 1,220   | 22.7%  | 1,165             | 1,306   | 12.1%  |
| February   | 1,097   | 1,197   | 9.1%   | 361          | 535     | 48.2%  | 975          | 1,091   | 11.9%  | 1,811   | 1,917   | 5.9%   | 167      | 258     | 54.7%  | 391                | 512     | 31.1%  | 920               | 1,046   | 13.8%  |
| March  | 1,212   | 1,507   | 24.3%  | 660          | 849     | 28.6%  | 405          | 558     | 37.9%  | 1,256   | 1,339   | 6.7%   | 2,129    | 2,210   | 3.8%   | 676                | 820     | 21.3%  | 1,002             | 1,181   | 17.8%  |
| April  | 1,506   | 2,338   | 55.3%  | 303          | 862     | 185.0% | 238          | 478     | 101.3% | 172     | 353     | 105.4% | 105      | 284     | 171.1% | 59                 | 226     | 284.3% | 508               | 960     | 89.0%  |
| May  | 1,936   | 2,496   | 28.9%  | 465          | 968     | 108.2% | 238          | 458     | 92.2%  | 118     | 267     | 125.7% | 83       | 234     | 182.4% | 88                 | 229     | 161.1% | 642               | 1,003   | 56.4%  |
| June   | 989     | 1,468   | 48.5%  | 251          | 668     | 165.7% | 118          | 288     | 144.9% | 77      | 226     | 193.6% | 54       | 191     | 251.6% | 52                 | 179     | 247.7% | 336               | 644     | 91.7%  |
| July   | 92      | 370     | 300.8% | 60           | 210     | 252.5% | 57           | 170     | 197.9% | 49      | 154     | 211.3% | 40       | 139     | 252.5% | 26                 | 123     | 370.5% | 62                | 220     | 254.9% |
| August   | 56      | 163     | 189.3% | 54           | 150     | 176.1% | 49           | 136     | 179.3% | 41      | 127     | 211.8% | 35       | 124     | 251.7% | 21                 | 108     | 414.7% | 49                | 143     | 193.0% |
| September  | 56      | 154     | 176.3% | 52           | 142     | 170.9% | 44           | 130     | 193.1% | 39      | 125     | 221.1% | 34       | 121     | 255.9% | 25                 | 112     | 344.9% | 47                | 137     | 191.3% |
| Average AF/yr  | 661,193 | 858,525 | 29.8%  | 209,603      | 369,155 | 76.1%  | 235,164      | 335,301 | 42.6%  | 287,500 | 370,953 | 29.0%  | 213,203  | 294,529 | 38.1%  | 156,224            | 245,613 | 57.2%  | 333,156           | 468,429 | 40.6%  |

| 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   | 914       | 906       | -0.9%  | 873          | 879       | 0.7%   | 860          | 875       | 1.8%   | 805       | 802       | -0.4%  | 769       | 769       | 0.0%   | 588                | 588     | 0.0%   | 852               | 853       | 0.1%   |
| November  | 1,381     | 1,390     | 0.6%   | 1,229        | 1,236     | 0.6%   | 861          | 956       | 11.0%  | 1,147     | 1,182     | 3.0%   | 841       | 841       | 0.0%   | 607                | 611     | 0.6%   | 1,160             | 1,183     | 2.1%   |
| December  | 3,550     | 3,562     | 0.3%   | 1,757        | 1,763     | 0.4%   | 1,409        | 1,436     | 2.0%   | 2,030     | 2,047     | 0.9%   | 812       | 823       | 1.4%   | 915                | 956     | 4.5%   | 2,122             | 2,136     | 0.7%   |
| January   | 6,087     | 6,114     | 0.4%   | 2,753        | 2,789     | 1.3%   | 4,733        | 4,773     | 0.8%   | 1,857     | 1,886     | 1.6%   | 2,698     | 2,726     | 1.0%   | 2,923              | 3,187   | 9.0%   | 3,611             | 3,649     | 1.0%   |
| February  | 5,124     | 5,084     | -0.8%  | 2,520        | 2,559     | 1.5%   | 4,101        | 4,100     | 0.0%   | 4,333     | 4,342     | 0.2%   | 1,979     | 1,965     | -0.7%  | 2,903              | 2,590   | -10.8% | 3,714             | 3,710     | -0.1%  |
| March   | 4,860     | 4,881     | 0.4%   | 3,075        | 3,072     | -0.1%  | 3,020        | 3,000     | -0.7%  | 4,360     | 4,347     | -0.3%  | 4,634     | 4,618     | -0.3%  | 4,730              | 4,744   | 0.3%   | 3,940             | 3,938     | -0.1%  |
| April   | 6,103     | 6,168     | 1.1%   | 3,195        | 3,203     | 0.3%   | 1,993        | 1,950     | -2.1%  | 1,245     | 1,229     | -1.3%  | 1,201     | 1,201     | 0.0%   | 417                | 426     | 2.1%   | 3,015             | 3,023     | 0.3%   |
| May   | 6,935     | 6,890     | -0.6%  | 3,944        | 3,932     | -0.3%  | 3,015        | 2,977     | -1.3%  | 1,448     | 1,422     | -1.8%  | 1,230     | 1,230     | 0.0%   | 611                | 611     | 0.0%   | 3,637             | 3,612     | -0.7%  |
| June  | 5,510     | 5,596     | 1.6%   | 3,869        | 3,870     | 0.0%   | 2,650        | 2,578     | -2.7%  | 1,463     | 1,418     | -3.1%  | 1,277     | 1,277     | 0.0%   | 681                | 681     | 0.0%   | 3,255             | 3,254     | 0.0%   |
| July  | 3,088     | 3,088     | 0.0%   | 2,443        | 2,386     | -2.3%  | 1,817        | 1,779     | -2.1%  | 1,417     | 1,416     | -0.1%  | 1,363     | 1,363     | 0.0%   | 549                | 549     | 0.0%   | 2,143             | 2,119     | -1.1%  |
| August  | 2,313     | 2,233     | -3.4%  | 1,773        | 1,736     | -2.1%  | 1,414        | 1,446     | 2.3%   | 1,176     | 1,158     | -1.6%  | 1,079     | 1,079     | 0.0%   | 406                | 406     | 0.0%   | 1,624             | 1,595     | -1.8%  |
| September   | 994       | 984       | -1.0%  | 919          | 930       | 1.3%   | 869          | 900       | 3.6%   | 774       | 757       | -2.2%  | 720       | 720       | 0.0%   | 203                | 203     | 0.0%   | 864               | 867       | 0.3%   |
| Average AF/yr   | 2,823,038 | 2,825,273 | 0.1%   | 1,709,879    | 1,709,904 | 0.0%   | 1,607,244    | 1,608,998 | 0.1%   | 1,321,203 | 1,318,166 | -0.2%  | 1,124,056 | 1,124,693 | 0.1%   | 934,102            | 937,133 | 0.3%   | 1,802,229         | 1,802,250 | 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  | 588       | 580       | -1.4%  | 540          | 545       | 1.1%   | 517          | 532       | 3.0%   | 469       | 466       | -0.7%  | 412      | 412     | 0.0%   | 400                | 400     | 0.0%   | 521               | 522       | 0.2%   |
| November   | 1,091     | 1,100     | 0.8%   | 930          | 938       | 0.8%   | 543          | 638       | 17.4%  | 854       | 889       | 4.1%   | 500      | 500     | 0.0%   | 406                | 410     | 1.0%   | 861               | 885       | 2.8%   |
| December   | 3,591     | 3,603     | 0.3%   | 1,671        | 1,677     | 0.4%   | 1,359        | 1,387     | 2.0%   | 1,952     | 1,970     | 0.9%   | 706      | 718     | 1.6%   | 862                | 904     | 4.8%   | 2,073             | 2,087     | 0.7%   |
| January  | 6,730     | 6,757     | 0.4%   | 2,923        | 2,959     | 1.2%   | 5,168        | 5,208     | 0.8%   | 2,047     | 2,077     | 1.4%   | 3,112    | 3,139   | 0.9%   | 3,941              | 4,204   | 6.7%   | 3,972             | 4,009     | 0.9%   |
| February   | 5,994     | 5,954     | -0.7%  | 2,878        | 2,916     | 1.3%   | 4,658        | 4,657     | 0.0%   | 4,923     | 4,931     | 0.2%   | 2,116    | 2,102   | -0.7%  | 3,276              | 2,963   | -9.5%  | 4,256             | 4,251     | -0.1%  |
| March  | 5,542     | 5,563     | 0.4%   | 3,557        | 3,553     | -0.1%  | 3,536        | 3,515     | -0.6%  | 5,030     | 5,017     | -0.3%  | 5,347    | 5,331   | -0.3%  | 5,343              | 5,357   | 0.3%   | 4,537             | 4,534     | -0.1%  |
| April  | 6,820     | 6,885     | 1.0%   | 3,399        | 3,408     | 0.3%   | 1,814        | 1,772     | -2.3%  | 967       | 951       | -1.7%  | 900      | 900     | 0.0%   | 256                | 258     | 1.0%   | 3,125             | 3,132     | 0.2%   |
| May  | 6,553     | 6,508     | -0.7%  | 3,437        | 3,425     | -0.3%  | 2,345        | 2,307     | -1.6%  | 721       | 695       | -3.6%  | 497      | 497     | 0.0%   | 245                | 245     | 0.0%   | 3,072             | 3,047     | -0.8%  |
| June   | 4,723     | 4,809     | 1.8%   | 3,053        | 3,053     | 0.0%   | 1,781        | 1,709     | -4.0%  | 589       | 544       | -7.7%  | 400      | 400     | 0.0%   | 245                | 245     | 0.0%   | 2,430             | 2,428     | -0.1%  |
| July   | 2,074     | 2,075     | 0.0%   | 1,429        | 1,372     | -4.0%  | 857          | 819       | -4.4%  | 457       | 456       | -0.2%  | 400      | 400     | 0.0%   | 70                 | 70      | 0.0%   | 1,165             | 1,142     | -2.0%  |
| August   | 1,426     | 1,346     | -5.6%  | 901          | 864       | -4.1%  | 737          | 769       | 4.3%   | 498       | 480       | -3.8%  | 400      | 400     | 0.0%   | 70                 | 70      | 0.0%   | 847               | 818       | -3.4%  |
| September  | 676       | 667       | -1.4%  | 605          | 616       | 1.9%   | 601          | 632       | 5.2%   | 505       | 488       | -3.4%  | 450      | 450     | 0.0%   | 70                 | 70      | 0.0%   | 574               | 576       | 0.4%   |
| Average AF/yr  | 2,754,605 | 2,756,840 | 0.1%   | 1,524,055    | 1,524,081 | 0.0%   | 1,433,436    | 1,435,190 | 0.1%   | 1,134,061 | 1,131,024 | -0.3%  | 919,990  | 920,626 | 0.1%   | 912,170            | 914,824 | 0.3%   | 1,647,475         | 1,647,486 | 0.0%   |

\*Water Year Classifications based on Smartsville Index