

| General Assumptions | | |
|---|------------------------------|-----------------------------|
| Model Configuration | | |
| | Base Case | Future Proposed Project |
| Model Scenario: | Base Case | Future Proposed Project |
| Water Balance/Operations Model Version: | 1.18 | 1.18 |
| Scenario Run Date: | 11/11/2013 | 11/14/2013 |
| Level of Development? | Present Level of Development | Future 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 | 10/10/2013 |
| 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 | L060813 |
| Flow Requirements below Log Cabin Dam: | Existing FERC License | L060813 |
| Flow Requirements below New Bullards Bar Dam: | Existing FERC License | L092313 |
| Flow Requirements below Englebright Dam: | Yuba River Accord | DLA Proposal |
| 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 (294,000 AF) | 99% Exceedance Drought (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: | |
|--------|---|
| | -Our House Spill Cessation: 100 cfs every 48 hours May 1-Sept 15; -NBB Spill Cessation: 250 cfs/day below 2000 cfs, May 1-July 31; -Low Level Flood Control Outlet; -Tailwater Depression System; -Full development YB/DS and Slate Creek |

| 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 |

| L060813 | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| WY Classification | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | |
| Extremely Critical | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | | |
| Critical | 35 | 35 | 35 | 35 | 35 | 35 | 21 | 21 | 21 | 35 | 35 | 35 | | |
| Dry | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | | |
| Below Normal | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | | |
| Above Normal | 57 | 57 | 57 | 57 | 57 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | | |
| Wet | 57 | 57 | 57 | 57 | 57 | 80 | 80 | 80 | 80 | 80 | 80 | 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 |

| L060813 | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| WY Classification | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | |
| Extremely Critical | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | |
| Critical | 6 | 6 | 6 | 6 | 6 | 6 | 12 | 12 | 12 | 6 | 6 | 6 | | |
| Dry | 6 | 6 | 6 | 6 | 6 | 6 | 18 | 18 | 18 | 6 | 6 | 6 | | |
| Below Normal | 8 | 8 | 8 | 8 | 8 | 8 | 21 | 21 | 21 | 8 | 8 | 8 | | |
| Above Normal | 8 | 8 | 8 | 8 | 8 | 10 | 26 | 26 | 26 | 10 | 10 | 10 | | |
| Wet | 8 | 8 | 8 | 8 | 8 | 13 | 31 | 31 | 31 | 13 | 13 | 13 | | |

| 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 |

| L092313 | | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| WY Classification | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | |
| Extremely Critical | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| Critical | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 5 | 7 | 7 | 7 | | |
| Dry | 13 | 13 | 13 | 13 | 13 | 13 | 5 | 5 | 5 | 13 | 13 | 13 | | |
| Below Normal | 13 | 13 | 13 | 13 | 13 | 13 | 5 | 5 | 5 | 13 | 13 | 13 | | |
| Above Normal | 13 | 13 | 13 | 13 | 13 | 12 | 5 | 5 | 5 | 12 | 12 | 12 | | |
| Wet | 13 | 13 | 13 | 13 | 13 | 11 | 5 | 5 | 5 | 11 | 11 | 11 | | |

Timeseries Assumptions
Flow Requirements at Smartsville (cfs)

| Base Case | | | | | | | | | | | | | | | | |
|---------------------|----------|-----------|-----|-----|-----|-----|-----|----------|-----------|----------|-----------|-----------|------------|-----|-----|-----|
| 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 |
| DLA Proposal | | | | | | | | | | | | | | | | |
| 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 | 500 | 550 | 550 | 550 | 550 | 550 | 550 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |

Yuba Accord Flow Requirements at Marysville (cfs)

| Base Case | | | | | | | | | | | | | | | | |
|---------------------|----------|-----------|-----|-----|-----|-----|-----|----------|-----------|----------|-----------|-----------|------------|-----|-----|-----|
| 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 |
| DLA Proposal | | | | | | | | | | | | | | | | |
| 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

| Base Case | | | | | | | | | | | | | | | | |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| 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 | |
| Future Proposed Project | | | | | | | | | | | | | | | | |
| 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) | 1,737,410 | 1,718,013 | -1.1% | 1,253,362 | 1,207,489 | -3.7% | 1,153,673 | 1,169,694 | 1.4% | 858,713 | 869,087 | 1.2% | 782,656 | 779,726 | -0.4% | 490,345 | 463,916 | -5.4% | 1,187,057 | 1,172,504 | -14,553 | -1.2% |
| Narrows 2 Powerhouse Generation (Average MWh/yr) | 265,237 | 269,314 | 1.5% | 174,727 | 184,832 | 5.8% | 153,030 | 170,772 | 11.6% | 103,294 | 110,513 | 7.0% | 75,640 | 76,823 | 1.6% | 83,846 | 81,113 | 0.0% | 163,099 | 170,444 | 7,345 | 4.5% |
| Total YRDP Generation (Average MWh/yr) | 2,002,646 | 1,987,328 | -0.8% | 1,428,089 | 1,392,322 | -2.5% | 1,306,703 | 1,340,465 | 2.6% | 962,007 | 979,600 | 1.8% | 858,296 | 856,550 | -0.2% | 574,192 | 545,029 | -5.1% | 1,350,156 | 1,342,949 | -7,207 | -0.5% |
| 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) | 142,674 | 168,768 | 18.3% | 46,156 | 64,611 | 40.0% | 58,128 | 83,723 | 44.0% | 66,278 | 80,114 | 20.9% | 51,374 | 53,647 | 4.4% | 45,922 | 78,075 | 70.0% | 75,717 | 94,298 | 18,581 | 24.5% |
| MYR Near Confluence with NYR (Avg. AF/yr) | 268,624 | 297,709 | 10.8% | 100,303 | 121,016 | 20.7% | 133,735 | 160,893 | 20.3% | 139,967 | 154,725 | 10.5% | 105,383 | 107,733 | 2.2% | 128,102 | 160,733 | 25.5% | 154,515 | 174,862 | 20,346 | 13.2% |
| Oregon Creek and North Yuba River | | | | | | | | | | | | | | | | | | | | | | |
| Oregon Creek below Log Cabin Dam (Avg. AF/yr) | 34,777 | 37,633 | 8.2% | 10,304 | 12,559 | 21.9% | 18,262 | 19,768 | 8.2% | 19,951 | 20,788 | 4.2% | 15,898 | 15,974 | 0.5% | 20,328 | 20,826 | 2.5% | 20,070 | 21,774 | 1,704 | 8.5% |
| NYR below New Bullards Bar Dam (Avg. AF/yr) | 348,721 | 314,807 | -9.7% | 46,238 | 41,980 | -9.2% | 135,582 | 115,910 | -14.5% | 138,718 | 129,374 | -6.7% | 88,845 | 86,753 | -2.4% | 3,982 | 5,068 | 27.3% | 152,229 | 138,643 | -13,586 | -8.9% |
| Yuba River | | | | | | | | | | | | | | | | | | | | | | |
| Yuba River above New Colgate PH (Avg. AF/yr) | 652,999 | 648,223 | -0.7% | 163,686 | 180,143 | 10.1% | 291,743 | 299,251 | 2.6% | 299,701 | 305,148 | 1.8% | 209,132 | 209,390 | 0.1% | 156,273 | 189,981 | 21.6% | 329,711 | 336,496 | 6,784 | 2.1% |
| Yuba River near Smartsville (Avg. AF/yr) | 2,883,331 | 2,912,115 | 1.0% | 1,566,250 | 1,657,070 | 5.8% | 1,612,920 | 1,725,760 | 7.0% | 1,369,105 | 1,405,246 | 2.6% | 1,141,016 | 1,164,063 | 2.0% | 959,722 | 999,249 | 4.1% | 1,769,506 | 1,824,985 | 55,479 | 3.1% |
| Yuba River near Marysville (Avg. AF/yr) | 2,821,639 | 2,830,658 | 0.3% | 1,370,834 | 1,441,912 | 5.2% | 1,429,675 | 1,521,782 | 6.4% | 1,190,342 | 1,205,879 | 1.3% | 936,949 | 939,400 | 0.3% | 937,791 | 958,225 | 2.2% | 1,615,208 | 1,650,586 | 35,379 | 2.2% |
| 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% | 54% | 4% | 50% | 54% | 4% | 91% | 99% | 7% | |
| 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) | 650,891 | 655,780 | 0.8% | 651,729 | 656,383 | 0.7% | 648,315 | 655,915 | 1.2% | 574,860 | 592,766 | 3.1% | 242,087 | 222,737 | -8.0% | 242,087 | 222,737 | -8.0% | 603,651 | 611,768 | 8,117 | 1.3% |

*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 | 54,331 | 50,414 | -7.2% | 51,273 | 47,620 | -7.1% | 50,616 | 47,730 | -5.7% | 47,808 | 45,639 | -4.5% | 45,228 | 43,781 | -3.2% | 29,373 | 24,848 | -15.4% | 49,901 | 46,788 | -6.2% |
| November | 67,982 | 65,128 | -4.2% | 49,466 | 45,744 | -7.5% | 42,844 | 40,737 | -4.9% | 49,875 | 48,024 | -3.7% | 43,963 | 43,230 | -1.7% | 25,051 | 20,754 | -17.2% | 52,212 | 49,555 | -5.1% |
| December | 112,000 | 118,107 | 5.5% | 51,626 | 51,122 | -1.0% | 50,132 | 51,724 | 3.2% | 54,580 | 53,857 | -1.3% | 29,228 | 27,525 | -5.8% | 13,967 | 11,366 | -18.6% | 63,665 | 64,729 | 1.7% |
| January | 145,238 | 150,174 | 3.4% | 79,702 | 83,964 | 5.3% | 145,368 | 163,256 | 12.3% | 68,796 | 78,501 | 14.1% | 59,084 | 63,394 | 7.3% | 6,341 | 5,950 | -6.2% | 94,818 | 101,665 | 7.2% |
| February | 168,013 | 173,475 | 3.3% | 74,059 | 75,620 | 2.1% | 143,493 | 148,262 | 3.3% | 77,964 | 87,194 | 11.8% | 87,407 | 85,170 | -2.6% | 79,411 | 61,232 | -22.9% | 105,466 | 109,183 | 3.5% |
| March | 164,056 | 156,907 | -4.4% | 76,759 | 75,338 | -1.9% | 112,639 | 113,905 | 1.1% | 118,113 | 118,978 | 0.7% | 95,111 | 98,009 | 3.0% | 207,875 | 181,146 | -12.9% | 116,850 | 114,465 | -2.0% |
| April | 185,729 | 175,114 | -5.7% | 139,761 | 120,969 | -13.4% | 81,932 | 84,064 | 2.6% | 41,016 | 38,542 | -6.0% | 51,324 | 45,471 | -11.4% | 15,345 | 19,012 | 23.9% | 106,907 | 98,307 | -8.0% |
| May | 216,350 | 212,691 | -1.7% | 195,778 | 173,068 | -11.6% | 151,119 | 132,280 | -12.5% | 93,426 | 85,055 | -9.0% | 91,461 | 88,286 | -3.5% | 23,071 | 23,254 | 0.8% | 154,074 | 142,715 | -7.4% |
| June | 215,971 | 211,893 | -1.9% | 204,069 | 201,671 | -1.2% | 129,900 | 134,743 | 3.7% | 89,467 | 92,102 | 2.9% | 80,396 | 81,336 | 1.2% | 33,374 | 34,320 | 2.8% | 152,541 | 152,171 | -0.2% |
| July | 190,485 | 186,344 | -2.2% | 160,280 | 163,640 | 2.1% | 104,763 | 105,858 | 1.0% | 94,796 | 96,773 | 2.1% | 89,585 | 92,280 | 3.0% | 28,767 | 34,383 | 19.5% | 134,284 | 135,251 | 0.7% |
| August | 157,455 | 160,167 | 1.7% | 115,121 | 115,411 | 0.3% | 88,718 | 93,884 | 5.8% | 76,726 | 79,094 | 3.1% | 68,187 | 70,591 | 3.5% | 20,252 | 25,328 | 25.1% | 105,371 | 107,595 | 2.1% |
| September | 59,800 | 57,598 | -3.7% | 55,466 | 53,323 | -3.9% | 52,151 | 53,251 | 2.1% | 46,147 | 45,326 | -1.8% | 41,684 | 40,653 | -2.5% | 7,519 | 22,324 | 196.9% | 50,968 | 50,081 | -1.7% |
| Average MWh/ | 1,737,410 | 1,718,013 | -1.1% | 1,253,362 | 1,207,489 | -3.7% | 1,153,673 | 1,169,694 | 1.4% | 858,713 | 869,087 | 1.2% | 782,656 | 779,726 | -0.4% | 490,345 | 463,916 | -5.4% | 1,187,057 | 1,172,504 | -1.2% |

| 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 | 5,048 | 5,345 | 5.9% | 3,630 | 3,466 | -4.5% | 2,547 | 2,638 | 3.6% | 1,604 | 1,638 | 2.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,944 | 2,983 | 1.3% |
| November | 6,349 | 6,699 | 5.5% | 2,215 | 2,308 | 4.2% | 455 | 749 | 64.7% | 2,630 | 2,820 | 7.2% | 0 | 273 | 0.0% | 0 | 0 | 0.0% | 2,890 | 3,100 | 7.3% |
| December | 17,516 | 18,076 | 3.2% | 4,455 | 5,233 | 17.5% | 7,303 | 8,472 | 16.0% | 6,269 | 6,345 | 1.2% | 1,847 | 1,840 | -0.4% | 4,115 | 4,115 | 0.0% | 8,073 | 8,568 | 6.1% |
| January | 24,781 | 24,999 | 0.9% | 11,422 | 12,501 | 9.4% | 28,076 | 29,635 | 5.6% | 11,793 | 14,061 | 19.2% | 11,525 | 11,719 | 1.7% | 21,086 | 21,983 | 4.3% | 16,567 | 17,683 | 6.7% |
| February | 28,558 | 28,701 | 0.5% | 12,828 | 13,272 | 3.5% | 24,429 | 24,453 | 0.1% | 15,589 | 16,274 | 4.4% | 11,473 | 11,479 | 0.1% | 22,726 | 21,445 | -5.6% | 18,538 | 18,837 | 1.6% |
| March | 28,895 | 27,210 | -5.8% | 15,195 | 16,204 | 6.6% | 22,110 | 21,479 | -2.9% | 23,382 | 23,561 | 0.8% | 13,018 | 13,109 | 0.7% | 35,919 | 33,571 | -6.5% | 21,559 | 21,380 | -0.8% |
| April | 33,299 | 34,154 | 2.6% | 25,403 | 24,841 | -2.2% | 13,081 | 17,067 | 30.5% | 6,553 | 7,284 | 11.2% | 5,095 | 5,095 | 0.0% | 0 | 0 | 0.0% | 18,440 | 19,056 | 3.3% |
| May | 36,277 | 37,467 | 3.3% | 34,673 | 36,675 | 5.8% | 20,929 | 26,652 | 27.3% | 9,640 | 10,943 | 13.5% | 8,662 | 9,016 | 4.1% | 0 | 0 | 0.0% | 23,570 | 25,312 | 7.4% |
| June | 33,257 | 33,672 | 1.2% | 31,185 | 32,733 | 5.0% | 14,128 | 17,225 | 21.9% | 8,458 | 9,388 | 11.0% | 8,188 | 8,188 | 0.0% | 0 | 0 | 0.0% | 20,903 | 21,961 | 5.1% |
| July | 25,661 | 26,463 | 3.1% | 18,211 | 20,372 | 11.9% | 8,852 | 9,286 | 4.9% | 8,461 | 8,481 | 0.2% | 8,461 | 8,461 | 0.0% | 0 | 0 | 0.0% | 15,069 | 15,898 | 5.5% |
| August | 19,101 | 19,773 | 3.5% | 10,476 | 11,314 | 8.0% | 8,571 | 8,657 | 1.0% | 7,976 | 8,110 | 1.7% | 7,369 | 7,642 | 3.7% | 0 | 0 | 0.0% | 11,112 | 11,573 | 4.1% |
| September | 6,494 | 6,755 | 4.0% | 5,034 | 5,914 | 17.5% | 2,547 | 4,458 | 75.0% | 940 | 1,607 | 71.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,435 | 4,094 | 19.2% |
| Average MWh/ | 265,237 | 269,314 | 1.5% | 174,727 | 184,832 | 5.8% | 153,030 | 170,772 | 11.6% | 103,294 | 110,513 | 7.0% | 75,640 | 76,823 | 1.6% | 83,846 | 81,113 | -3.3% | 163,099 | 170,444 | 4.5% |

Model Output Summary - Miscellaneous Values

| End of September New Bullards Bar Reservoir Storage (AF) | | | |
|--|---------|---------|--------|
| WY Classification | Base | Alt | Change |
| Wet | 650,891 | 655,780 | 0.8% |
| Above Normal | 651,729 | 656,383 | 0.7% |
| Below Normal | 648,315 | 655,915 | 1.2% |
| Dry | 574,860 | 592,766 | 3.1% |
| Critical | 495,674 | 503,090 | 1.5% |
| Extremely Critical | 242,087 | 222,737 | -8.0% |
| Average All Years | 603,651 | 611,768 | 1.3% |

| 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% | 54% | 3.6% |
| Average All Years | 91% | 99% | 7.4% |

| Number of Days Narrows 2 PH Releases Controlled by Flow Fluctuation Criteria | | | |
|--|------|-----|--------|
| WY Classification | Base | Alt | Change |
| Wet | 13 | 8 | -38.5% |
| Above Normal | 161 | 150 | -6.8% |
| Below Normal | 0 | 0 | 0.0% |
| Dry | 147 | 132 | -10.2% |
| Critical | 97 | 96 | -1.0% |
| Extremely Critical | 9 | 8 | -11.1% |
| Total All Years | 427 | 394 | -7.7% |

| Recurrence of North Yuba Index Year Types (Years) | | | |
|---|------|-----|--------|
| Flow Sched. | Base | Alt | Change |
| Sched. 1 | 17 | 17 | 0 |
| Sched. 2 | 6 | 7 | 1 |
| Sched. 3 | 2 | 1 | -1 |
| Sched. 4 | 6 | 6 | 0 |
| 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 | 1,887 | 1,888 | 0.1% |
| Above Normal | 1,888 | 1,889 | 0.1% |
| Below Normal | 1,887 | 1,889 | 0.1% |
| Dry | 1,866 | 1,871 | 0.3% |
| Critical | 1,842 | 1,844 | 0.1% |
| Extremely Critical | 1,737 | 1,733 | -0.2% |
| Average All Years | 1,873 | 1,875 | 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 | 182 | 189 | 7 |
| Average All Years | 360 | 360 | 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 | 353 | 363 | 10 |
| Above Normal | 360 | 365 | 5 |
| Below Normal | 365 | 365 | 0 |
| Dry | 286 | 309 | 23 |
| Critical | 188 | 197 | 9 |
| Extremely Critical | 59 | 57 | -2 |
| Average All Years | 315 | 326 | 11 |

*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 | 52 | 51.6% | 33 | 40 | 20.6% | 30 | 39 | 27.4% | 27 | 31 | 15.2% | 24 | 25 | 4.5% | 17 | 11 | -32.8% | 30 | 38 | 26.5% |
| November | 80 | 101 | 26.7% | 33 | 50 | 52.5% | 33 | 55 | 68.4% | 92 | 84 | -9.3% | 24 | 31 | 27.8% | 22 | 19 | -16.3% | 58 | 68 | 18.9% |
| December | 290 | 362 | 25.0% | 114 | 132 | 16.5% | 49 | 81 | 65.0% | 156 | 197 | 26.9% | 32 | 39 | 22.0% | 38 | 41 | 6.2% | 151 | 188 | 24.5% |
| January | 402 | 395 | -1.6% | 82 | 103 | 25.2% | 345 | 506 | 46.9% | 67 | 97 | 45.5% | 230 | 238 | 3.7% | 302 | 606 | 100.7% | 200 | 236 | 18.4% |
| February | 212 | 304 | 43.4% | 97 | 130 | 34.4% | 222 | 305 | 37.8% | 334 | 469 | 40.3% | 26 | 36 | 39.9% | 57 | 148 | 160.5% | 186 | 262 | 41.1% |
| March | 173 | 251 | 45.1% | 57 | 118 | 105.0% | 57 | 102 | 79.3% | 236 | 230 | -2.4% | 336 | 338 | 0.6% | 173 | 363 | 109.2% | 157 | 203 | 29.1% |
| April | 387 | 418 | 8.1% | 63 | 85 | 34.7% | 43 | 60 | 39.8% | 38 | 52 | 38.3% | 31 | 38 | 22.6% | 31 | 24 | -22.6% | 129 | 148 | 15.1% |
| May | 486 | 479 | -1.5% | 144 | 154 | 6.7% | 56 | 73 | 31.4% | 47 | 53 | 11.9% | 38 | 38 | 0.0% | 38 | 24 | -36.8% | 180 | 183 | 2.0% |
| June | 196 | 235 | 19.7% | 44 | 107 | 143.4% | 43 | 60 | 39.5% | 38 | 51 | 34.4% | 31 | 36 | 15.8% | 31 | 21 | -31.0% | 77 | 109 | 41.0% |
| July | 38 | 94 | 144.0% | 33 | 63 | 90.6% | 33 | 51 | 54.9% | 29 | 39 | 33.6% | 24 | 23 | -3.6% | 17 | 10 | -40.1% | 32 | 57 | 80.2% |
| August | 33 | 57 | 73.4% | 33 | 48 | 46.1% | 32 | 34 | 7.9% | 27 | 27 | -1.2% | 23 | 20 | -15.9% | 13 | 8 | -38.2% | 30 | 40 | 32.3% |
| September | 33 | 53 | 60.6% | 33 | 43 | 30.9% | 30 | 31 | 3.1% | 26 | 25 | -2.3% | 23 | 19 | -19.0% | 15 | 11 | -27.3% | 29 | 36 | 23.9% |
| Average AF/yr | 142,674 | 168,768 | 18.3% | 46,156 | 64,611 | 40.0% | 58,128 | 83,723 | 44.0% | 66,278 | 80,114 | 20.9% | 51,374 | 53,647 | 4.4% | 45,922 | 78,075 | 70.0% | 75,717 | 94,298 | 24.5% |

| 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 | 51 | 66 | 30.6% | 46 | 51 | 10.1% | 40 | 48 | 19.4% | 38 | 41 | 8.6% | 30 | 29 | -1.6% | 21 | 15 | -27.2% | 42 | 49 | 15.2% |
| November | 155 | 175 | 12.6% | 61 | 76 | 25.4% | 60 | 81 | 35.2% | 153 | 143 | -6.6% | 37 | 42 | 14.4% | 38 | 35 | -9.6% | 103 | 112 | 9.0% |
| December | 586 | 659 | 12.4% | 191 | 209 | 9.6% | 124 | 155 | 25.0% | 303 | 344 | 13.8% | 93 | 100 | 7.4% | 138 | 140 | 1.2% | 297 | 334 | 12.4% |
| January | 783 | 776 | -0.9% | 178 | 198 | 11.7% | 766 | 929 | 21.3% | 206 | 236 | 14.6% | 554 | 562 | 1.4% | 840 | 1153 | 37.3% | 439 | 476 | 8.4% |
| February | 608 | 700 | 15.2% | 258 | 291 | 13.1% | 503 | 587 | 16.6% | 707 | 842 | 19.1% | 105 | 115 | 9.7% | 303 | 398 | 31.2% | 461 | 538 | 16.6% |
| March | 455 | 536 | 18.0% | 243 | 309 | 27.1% | 230 | 276 | 19.7% | 553 | 547 | -1.2% | 625 | 627 | 0.3% | 557 | 750 | 34.5% | 413 | 461 | 11.7% |
| April | 733 | 779 | 6.2% | 221 | 258 | 17.0% | 177 | 205 | 15.9% | 131 | 156 | 18.9% | 82 | 94 | 14.6% | 49 | 41 | -16.2% | 299 | 330 | 10.6% |
| May | 688 | 697 | 1.3% | 246 | 269 | 9.6% | 148 | 175 | 18.1% | 97 | 110 | 13.5% | 69 | 73 | 5.2% | 72 | 56 | -22.7% | 282 | 296 | 5.1% |
| June | 254 | 314 | 23.6% | 88 | 167 | 89.3% | 66 | 94 | 43.2% | 64 | 83 | 29.5% | 46 | 52 | 13.7% | 44 | 32 | -28.2% | 115 | 159 | 38.3% |
| July | 59 | 118 | 98.3% | 49 | 79 | 60.7% | 47 | 62 | 32.7% | 41 | 48 | 17.1% | 33 | 29 | -12.2% | 20 | 13 | -35.0% | 47 | 72 | 53.4% |
| August | 47 | 69 | 45.6% | 46 | 56 | 22.6% | 39 | 40 | 2.2% | 33 | 32 | -4.8% | 29 | 24 | -16.7% | 15 | 10 | -35.5% | 40 | 47 | 17.9% |
| September | 47 | 63 | 36.1% | 44 | 50 | 13.4% | 34 | 35 | 2.0% | 32 | 30 | -3.7% | 28 | 23 | -18.6% | 19 | 15 | -22.8% | 38 | 43 | 12.7% |
| Average AF/yr | 268,624 | 297,709 | 10.8% | 100,303 | 121,016 | 20.7% | 133,735 | 160,893 | 20.3% | 139,967 | 154,725 | 10.5% | 105,383 | 107,733 | 2.2% | 128,102 | 160,733 | 25.5% | 154,515 | 174,862 | 13.2% |

| 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 | 7 | -23.9% | 7 | 5 | -30.5% | 5 | 4 | -10.2% | 4 | 3 | -19.0% | 4 | 2 | -41.2% | 2 | 2 | 0.0% | 6 | 5 | -25.1% |
| November | 22 | 20 | -7.6% | 9 | 7 | -21.7% | 9 | 7 | -14.7% | 20 | 18 | -7.6% | 6 | 5 | -23.2% | 4 | 4 | 0.1% | 14 | 13 | -11.1% |
| December | 99 | 99 | 0.1% | 24 | 24 | -2.1% | 14 | 13 | -5.5% | 48 | 48 | -0.3% | 11 | 11 | -1.0% | 11 | 11 | -6.2% | 46 | 45 | -0.6% |
| January | 127 | 127 | -0.2% | 17 | 18 | 0.2% | 132 | 133 | 0.6% | 27 | 27 | -1.0% | 103 | 102 | -0.7% | 157 | 166 | 6.0% | 69 | 69 | 0.3% |
| February | 108 | 108 | 0.2% | 31 | 31 | 1.4% | 77 | 77 | 0.0% | 118 | 118 | 0.0% | 7 | 7 | -2.0% | 36 | 40 | 8.7% | 73 | 73 | 0.3% |
| March | 63 | 67 | 6.2% | 17 | 23 | 32.1% | 19 | 19 | 2.1% | 75 | 74 | -1.3% | 92 | 92 | 0.2% | 94 | 98 | 3.3% | 52 | 54 | 4.9% |
| April | 82 | 96 | 17.5% | 13 | 29 | 120.1% | 11 | 22 | 100.0% | 10 | 20 | 90.4% | 8 | 13 | 62.5% | 8 | 7 | -12.5% | 28 | 40 | 41.7% |
| May | 34 | 50 | 48.5% | 17 | 31 | 80.7% | 14 | 23 | 66.2% | 12 | 19 | 61.6% | 9 | 13 | 38.3% | 9 | 7 | -25.5% | 18 | 29 | 58.5% |
| June | 11 | 31 | 184.8% | 11 | 27 | 142.8% | 11 | 22 | 100.0% | 10 | 15 | 59.7% | 8 | 9 | 17.7% | 8 | 5 | -36.8% | 10 | 22 | 115.3% |
| July | 9 | 11 | 23.0% | 9 | 9 | -0.4% | 8 | 6 | -34.4% | 7 | 4 | -38.6% | 6 | 3 | -51.0% | 2 | 1 | -9.3% | 8 | 7 | -10.1% |
| August | 9 | 6 | -30.5% | 9 | 4 | -56.8% | 4 | 3 | -40.0% | 4 | 2 | -35.1% | 3 | 2 | -35.3% | 1 | 1 | -19.1% | 6 | 4 | -42.1% |
| September | 8 | 5 | -38.3% | 8 | 3 | -56.7% | 2 | 2 | -11.1% | 3 | 2 | -19.3% | 3 | 2 | -29.4% | 2 | 2 | -6.1% | 5 | 3 | -40.9% |
| Average AF/yr | 34,777 | 37,633 | 8.2% | 10,304 | 12,559 | 21.9% | 18,262 | 19,768 | 8.2% | 19,951 | 20,788 | 4.2% | 15,898 | 15,974 | 0.5% | 20,328 | 20,826 | 2.5% | 20,070 | 21,774 | 8.5% |

*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 | 15 | 114.3% | 7 | 15 | 114.3% | 7 | 15 | 114.3% | 6 | 15 | 140.0% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 7 | 14 | 114.2% |
| November | 7 | 15 | 114.3% | 7 | 15 | 114.3% | 7 | 15 | 114.3% | 6 | 15 | 140.0% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 7 | 14 | 114.2% |
| December | 665 | 668 | 0.4% | 71 | 128 | 79.9% | 7 | 15 | 114.3% | 457 | 421 | -7.9% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 295 | 305 | 3.4% |
| January | 1,176 | 978 | -16.9% | 230 | 144 | -37.2% | 1,235 | 1,082 | -12.4% | 77 | 72 | -7.1% | 6 | 32 | 482.0% | 6 | 7 | 27.3% | 487 | 400 | -17.9% |
| February | 288 | 289 | 0.4% | 74 | 76 | 2.1% | 791 | 594 | -25.0% | 1,139 | 1,000 | -12.2% | 33 | 61 | 81.3% | 6 | 7 | 27.3% | 444 | 395 | -10.9% |
| March | 776 | 697 | -10.1% | 82 | 70 | -14.7% | 193 | 157 | -18.6% | 643 | 613 | -4.7% | 1,360 | 1,250 | -8.1% | 6 | 7 | 27.3% | 510 | 467 | -8.5% |
| April | 661 | 545 | -17.5% | 42 | 22 | -48.0% | 7 | 7 | 0.0% | 6 | 7 | 10.5% | 6 | 7 | 27.3% | 6 | 7 | 27.3% | 175 | 142 | -19.0% |
| May | 1,319 | 1,135 | -13.9% | 182 | 147 | -19.5% | 7 | 7 | 0.0% | 6 | 7 | 10.5% | 6 | 7 | 27.3% | 6 | 7 | 27.3% | 373 | 319 | -14.5% |
| June | 804 | 801 | -0.4% | 46 | 34 | -26.1% | 7 | 7 | 0.0% | 6 | 7 | 10.5% | 6 | 7 | 27.3% | 6 | 7 | 27.3% | 211 | 207 | -1.8% |
| July | 29 | 23 | -19.6% | 7 | 14 | 100.0% | 7 | 15 | 114.3% | 6 | 15 | 136.8% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 12 | 16 | 33.1% |
| August | 7 | 13 | 85.7% | 7 | 14 | 100.0% | 7 | 15 | 114.3% | 6 | 15 | 136.8% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 7 | 13 | 102.7% |
| September | 7 | 13 | 85.7% | 7 | 14 | 100.0% | 7 | 15 | 114.3% | 6 | 15 | 136.8% | 6 | 9 | 63.6% | 6 | 7 | 27.3% | 7 | 13 | 102.7% |
| Average AF/yr | 348,721 | 314,807 | -9.7% | 46,238 | 41,980 | -9.2% | 135,582 | 115,910 | -14.5% | 138,718 | 129,374 | -6.7% | 88,845 | 86,753 | -2.4% | 3,982 | 5,068 | 27.3% | 152,229 | 138,643 | -8.9% |

| 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 | 61 | 84 | 38.8% | 56 | 68 | 22.7% | 50 | 65 | 32.0% | 47 | 59 | 25.8% | 36 | 39 | 8.3% | 27 | 23 | -15.2% | 51 | 66 | 27.3% |
| November | 183 | 211 | 15.0% | 75 | 99 | 31.1% | 74 | 104 | 39.2% | 175 | 174 | -0.7% | 45 | 54 | 19.6% | 48 | 46 | -4.5% | 122 | 139 | 13.8% |
| December | 1,329 | 1,404 | 5.6% | 283 | 358 | 26.8% | 155 | 194 | 25.2% | 799 | 804 | 0.7% | 118 | 129 | 8.8% | 178 | 182 | 1.8% | 632 | 678 | 7.4% |
| January | 2,059 | 1,853 | -10.0% | 438 | 373 | -14.8% | 2,114 | 2,124 | 0.5% | 327 | 351 | 7.5% | 646 | 680 | 5.3% | 995 | 1,309 | 31.7% | 992 | 942 | -5.0% |
| February | 1,008 | 1,102 | 9.3% | 383 | 418 | 9.2% | 1,374 | 1,260 | -8.3% | 1,945 | 1,942 | -0.2% | 166 | 204 | 22.5% | 391 | 487 | 24.6% | 984 | 1,012 | 2.9% |
| March | 1,316 | 1,319 | 0.2% | 390 | 444 | 13.8% | 484 | 494 | 2.0% | 1,291 | 1,254 | -2.8% | 2,063 | 1,955 | -5.2% | 676 | 870 | 28.7% | 1,002 | 1,007 | 0.5% |
| April | 1,498 | 1,428 | -4.7% | 319 | 337 | 5.5% | 232 | 260 | 12.1% | 170 | 196 | 15.2% | 105 | 118 | 12.9% | 59 | 52 | -11.0% | 529 | 528 | -0.3% |
| May | 2,073 | 1,898 | -8.4% | 461 | 449 | -2.6% | 186 | 213 | 14.4% | 118 | 132 | 11.8% | 83 | 88 | 6.2% | 88 | 73 | -17.0% | 687 | 648 | -5.8% |
| June | 1,077 | 1,134 | 5.3% | 147 | 214 | 45.3% | 77 | 106 | 36.9% | 77 | 96 | 25.5% | 54 | 62 | 14.4% | 52 | 41 | -21.2% | 336 | 376 | 12.0% |
| July | 93 | 146 | 56.9% | 59 | 96 | 62.4% | 56 | 79 | 41.8% | 49 | 65 | 31.7% | 40 | 39 | -1.3% | 26 | 21 | -21.3% | 62 | 91 | 47.2% |
| August | 56 | 84 | 48.8% | 54 | 71 | 32.0% | 47 | 56 | 18.9% | 41 | 48 | 17.3% | 35 | 34 | -3.7% | 21 | 17 | -19.1% | 48 | 62 | 29.2% |
| September | 56 | 79 | 40.9% | 52 | 65 | 24.6% | 42 | 51 | 20.7% | 39 | 46 | 19.2% | 34 | 32 | -4.9% | 25 | 22 | -11.3% | 46 | 58 | 25.2% |
| Average AF/yr | 652,999 | 648,223 | -0.7% | 163,686 | 180,143 | 10.1% | 291,743 | 299,251 | 2.6% | 299,701 | 305,148 | 1.8% | 209,132 | 209,390 | 0.1% | 156,273 | 189,981 | 21.6% | 329,711 | 336,496 | 2.1% |

| 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 | 924 | 940 | 1.8% | 869 | 870 | 0.1% | 849 | 861 | 1.5% | 815 | 821 | 0.7% | 769 | 773 | 0.6% | 588 | 543 | -7.7% | 850 | 856 | 0.7% |
| November | 1,587 | 1,561 | -1.7% | 959 | 970 | 1.2% | 859 | 895 | 4.1% | 1,250 | 1,228 | -1.8% | 841 | 861 | 2.3% | 607 | 560 | -7.9% | 1,151 | 1,147 | -0.4% |
| December | 4,037 | 4,221 | 4.6% | 1,434 | 1,508 | 5.2% | 1,326 | 1,417 | 6.9% | 2,165 | 2,184 | 0.9% | 879 | 883 | 0.5% | 929 | 902 | -3.0% | 2,167 | 2,246 | 3.7% |
| January | 5,695 | 5,451 | -4.3% | 2,086 | 2,105 | 0.9% | 5,760 | 6,029 | 4.7% | 1,977 | 2,164 | 9.4% | 2,701 | 2,809 | 4.0% | 3,048 | 3,382 | 11.0% | 3,354 | 3,390 | 1.1% |
| February | 5,281 | 5,410 | 2.4% | 2,303 | 2,393 | 3.9% | 4,765 | 4,783 | 0.4% | 4,633 | 4,649 | 0.3% | 2,030 | 2,067 | 1.8% | 2,800 | 2,660 | -5.0% | 3,803 | 3,866 | 1.7% |
| March | 4,948 | 4,774 | -3.5% | 2,335 | 2,408 | 3.1% | 3,059 | 3,121 | 2.0% | 4,443 | 4,325 | -2.7% | 4,671 | 4,593 | -1.7% | 5,101 | 4,988 | -2.2% | 3,841 | 3,788 | -1.4% |
| April | 6,156 | 5,990 | -2.7% | 3,162 | 3,125 | -1.2% | 1,955 | 2,264 | 15.8% | 1,172 | 1,269 | 8.3% | 1,071 | 1,078 | 0.7% | 417 | 508 | 21.9% | 2,962 | 2,970 | 0.3% |
| May | 7,212 | 7,227 | 0.2% | 4,149 | 4,838 | 16.6% | 2,624 | 3,114 | 18.7% | 1,610 | 1,726 | 7.2% | 1,479 | 1,540 | 4.2% | 611 | 641 | 5.0% | 3,710 | 3,985 | 7.4% |
| June | 5,609 | 5,964 | 6.3% | 3,758 | 4,037 | 7.4% | 1,991 | 2,283 | 14.7% | 1,441 | 1,562 | 8.4% | 1,277 | 1,343 | 5.1% | 681 | 714 | 4.8% | 3,095 | 3,324 | 7.4% |
| July | 3,073 | 3,297 | 7.3% | 2,315 | 2,484 | 7.3% | 1,527 | 1,619 | 6.0% | 1,416 | 1,493 | 5.4% | 1,363 | 1,435 | 5.3% | 549 | 665 | 21.1% | 2,042 | 2,182 | 6.9% |
| August | 2,348 | 2,471 | 5.2% | 1,693 | 1,778 | 5.0% | 1,314 | 1,434 | 9.2% | 1,168 | 1,239 | 6.1% | 1,079 | 1,144 | 6.0% | 406 | 519 | 27.7% | 1,579 | 1,672 | 5.9% |
| September | 997 | 1,046 | 5.0% | 917 | 959 | 4.5% | 846 | 914 | 8.1% | 774 | 800 | 3.4% | 720 | 736 | 2.1% | 203 | 500 | 146.7% | 851 | 899 | 5.5% |
| Average AF/yr | 2,883,331 | 2,912,115 | 1.0% | 1,566,250 | 1,657,070 | 5.8% | 1,612,920 | 1,725,760 | 7.0% | 1,369,105 | 1,405,246 | 2.6% | 1,141,016 | 1,164,063 | 2.0% | 959,722 | 999,249 | 4.1% | 1,769,506 | 1,824,985 | 3.1% |

*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 | 605 | 618 | 2.1% | 543 | 540 | -0.6% | 518 | 525 | 1.3% | 477 | 477 | 0.1% | 412 | 411 | -0.2% | 400 | 350 | -12.5% | 524 | 525 | 0.2% |
| November | 1,309 | 1,276 | -2.5% | 631 | 634 | 0.5% | 525 | 541 | 3.1% | 965 | 923 | -4.3% | 500 | 500 | 0.0% | 406 | 358 | -12.0% | 848 | 831 | -2.0% |
| December | 4,107 | 4,287 | 4.4% | 1,302 | 1,372 | 5.3% | 1,316 | 1,399 | 6.3% | 2,101 | 2,112 | 0.5% | 774 | 770 | -0.6% | 877 | 847 | -3.4% | 2,116 | 2,190 | 3.5% |
| January | 6,340 | 6,093 | -3.9% | 2,192 | 2,211 | 0.8% | 6,117 | 6,382 | 4.3% | 2,203 | 2,388 | 8.4% | 3,115 | 3,221 | 3.4% | 4,065 | 4,395 | 8.1% | 3,698 | 3,732 | 0.9% |
| February | 6,212 | 6,341 | 2.1% | 2,685 | 2,775 | 3.4% | 5,285 | 5,303 | 0.3% | 5,264 | 5,280 | 0.3% | 2,167 | 2,205 | 1.7% | 3,172 | 3,033 | -4.4% | 4,369 | 4,432 | 1.4% |
| March | 5,617 | 5,444 | -3.1% | 2,735 | 2,808 | 2.7% | 3,571 | 3,633 | 1.7% | 5,159 | 5,041 | -2.3% | 5,383 | 5,305 | -1.5% | 5,714 | 5,601 | -2.0% | 4,428 | 4,375 | -1.2% |
| April | 6,870 | 6,704 | -2.4% | 3,376 | 3,338 | -1.1% | 1,742 | 2,043 | 17.3% | 895 | 983 | 9.9% | 770 | 769 | -0.1% | 256 | 324 | 26.8% | 3,066 | 3,069 | 0.1% |
| May | 6,848 | 6,839 | -0.1% | 3,656 | 4,316 | 18.1% | 1,918 | 2,346 | 22.3% | 883 | 938 | 6.2% | 745 | 745 | 0.0% | 245 | 245 | 0.0% | 3,148 | 3,379 | 7.4% |
| June | 4,826 | 5,110 | 5.9% | 2,942 | 3,150 | 7.1% | 1,117 | 1,344 | 20.3% | 567 | 623 | 9.9% | 400 | 400 | 0.0% | 245 | 245 | 0.0% | 2,272 | 2,434 | 7.1% |
| July | 2,058 | 2,198 | 6.8% | 1,302 | 1,389 | 6.6% | 567 | 587 | 3.5% | 456 | 460 | 1.1% | 400 | 400 | 0.0% | 70 | 150 | 114.3% | 1,068 | 1,131 | 5.9% |
| August | 1,461 | 1,502 | 2.8% | 828 | 833 | 0.6% | 637 | 693 | 8.8% | 490 | 496 | 1.2% | 400 | 400 | 0.0% | 70 | 150 | 114.3% | 810 | 830 | 2.5% |
| September | 679 | 683 | 0.6% | 605 | 603 | -0.4% | 577 | 613 | 6.3% | 505 | 499 | -1.1% | 450 | 433 | -3.7% | 70 | 217 | 209.8% | 563 | 568 | 0.9% |
| Average AF/yr | 2,821,639 | 2,830,658 | 0.3% | 1,370,834 | 1,441,912 | 5.2% | 1,429,675 | 1,521,782 | 6.4% | 1,190,342 | 1,205,879 | 1.3% | 936,949 | 939,400 | 0.3% | 937,791 | 958,225 | 2.2% | 1,615,208 | 1,650,586 | 2.2% |

*Water Year Classifications based on Smartsville Index