

CENTRAL VALLEY PROJECT  
SCHEDULE OF ESTIMATED M&I PROJECT USE ENERGY COSTS  
DIRECT PUMPING  
2005 M&I WATER RATES

|                                        | Projected 2005 Deliveries (Schedule A-12) |                  |                       |                        |                   |                      |                         |          |           |
|----------------------------------------|-------------------------------------------|------------------|-----------------------|------------------------|-------------------|----------------------|-------------------------|----------|-----------|
|                                        | Contra Costa<br>PP                        | Dos Amigos<br>PP | Pleasant Valley<br>PP | San Luis WD<br>Relifts | State-Delta<br>PP | T-C Canal<br>Relifts | Westlands WD<br>Relifts | Wintu PP | Shasta PP |
| <b><u>Contra Costa Canal</u></b>       |                                           |                  |                       |                        |                   |                      |                         |          |           |
| Contra Costa WD                        | 91,209                                    |                  |                       |                        |                   |                      |                         |          |           |
| <b><u>Cow Creek Unit</u></b>           |                                           |                  |                       |                        |                   |                      |                         |          |           |
| Bella Vista WD                         |                                           |                  |                       |                        |                   |                      |                         | 4,299    |           |
| <b><u>Cross Valley Canal</u></b>       |                                           |                  |                       |                        |                   |                      |                         |          |           |
| County of Fresno                       |                                           | 300              |                       |                        | 300               |                      |                         |          |           |
| County of Tulare                       |                                           | 673              |                       |                        | 673               |                      |                         |          |           |
| <b><u>San Luis Canal - Fresno</u></b>  |                                           |                  |                       |                        |                   |                      |                         |          |           |
| City of Coalinga                       |                                           |                  | 3,517                 |                        |                   |                      |                         |          |           |
| Westlands WD                           |                                           |                  |                       |                        |                   |                      | 4,500                   |          |           |
| <b><u>San Luis Canal - Tracy</u></b>   |                                           |                  |                       |                        |                   |                      |                         |          |           |
| San Luis WD                            |                                           |                  |                       | 341                    |                   |                      |                         |          |           |
| <b><u>Tehama-Colusa Canal</u></b>      |                                           |                  |                       |                        |                   |                      |                         |          |           |
| Colusa County WD                       |                                           |                  |                       |                        |                   | 113                  |                         |          |           |
| <b><u>Toyon Pipeline</u></b>           |                                           |                  |                       |                        |                   |                      |                         |          |           |
| City of Shasta Lake                    |                                           |                  |                       |                        |                   |                      |                         |          | 2,400     |
| Total 2005 Deliveries                  | 91,209                                    | 973              | 3,517                 | 341                    | 973               | 113                  | 4,500                   | 4,299    | 2,400     |
| Total Est. FY 2005 Costs (to Sch. A-9) | \$432,719                                 | \$1,963          | \$17,597              | \$1,479                | \$1,272           | \$460                | \$10,763                | \$28,672 | \$20,598  |
| Rate Per A/F                           | \$4.74                                    | \$2.02           | \$5.00                | \$4.34                 | \$1.31            | \$4.07               | \$2.39                  | \$6.67   | \$8.58    |

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|                                         | Acre-Feet |            | Ratio of Acre-Feet |            |         | Total \$       | For Water Ratesetting |                |
|-----------------------------------------|-----------|------------|--------------------|------------|---------|----------------|-----------------------|----------------|
|                                         | M&I       | Irrigation | M&I                | Irrigation | Total   |                | M&I                   | Irrigation     |
| <b>Used in Schedule A-10A</b>           |           |            |                    |            |         |                |                       |                |
| <b>Storage:</b>                         |           |            |                    |            |         |                |                       |                |
| Friant D&R 2/                           | 238       |            | 100.00%            |            | 100.00% | 4,913.60       | 4,913.60              |                |
| Shasta D&R (Includes Jdg F Carr PH)     | 3,072     | 10,175     | 23.19%             | 76.81%     | 100.00% | 107,855.86     | 25,010.35             | 82,845.51      |
| Columbia Mowry (Based on Avg. KWH's)    | 94,311    | 744,602    | 11.24%             | 88.76%     | 100.00% | 12,611.68      | 1,417.81              | 11,193.87      |
| Folsom Pump Plant                       | 40,589    |            | 100.00%            |            | 100.00% | 8,464.04       | 8,464.04              |                |
| New Melones Dam & Reservoir             |           | 22,947     |                    | 100.00%    | 100.00% | 3,859.44       |                       | 3,859.44       |
| Gianelli WR Pump-Gen Plt 3/             | 8,296     | 628,463    | 1.30%              | 98.70%     | 100.00% | 3,449,642.03   | 44,944.21             | 3,404,697.82   |
| Regen. Credit - San Luis PP             | 8,296     | 628,463    | 1.30%              | 98.70%     | 100.00% | (1,737,458.86) | (22,636.76)           | (1,714,822.10) |
| SFU Gianelli WR PGP (Direct Pumping)    | 102,148   | 36,446     | 73.70%             | 26.30%     | 100.00% |                |                       |                |
| <b>Conveyance Pumping:</b>              |           |            |                    |            |         |                |                       |                |
| Corning Pump Plant                      |           | 16,943     |                    | 100.00%    | 100.00% | 59,087.24      |                       | 59,087.24      |
| Dos Amigos Pump Plant 4/                | 11,538    | 887,157    | 1.28%              | 98.72%     | 100.00% | 1,813,740.98   | 23,285.27             | 1,790,455.71   |
| O'Neill Pump-Gen Plt                    | 114,000   | 934,251    | 10.88%             | 89.12%     | 100.00% | 1,126,660.60   | 122,527.28            | 1,004,133.32   |
| Regen. Credit - O'Neill Pump-Gen Plt    | 114,000   | 934,251    | 10.88%             | 89.12%     | 100.00% | (157,781.82)   | (17,159.18)           | (140,622.63)   |
| Tracy Pump Plant                        | 198,213   | 1,975,494  | 9.12%              | 90.88%     | 100.00% | 9,267,893.76   | 845,107.95            | 8,422,785.80   |
| In-Lieu of Tracy Pumping                |           |            |                    |            |         | 106,136.56     |                       | 106,136.56     |
| <b>Out-of-Basin Pumping:</b>            |           |            |                    |            |         |                |                       |                |
| Coyote PP                               | 48,750    | 6016.25    | 89.01%             | 10.99%     | 100.00% | 123,493.36     | 109,927.22            | 13,566.15      |
| Pacheco PP                              | 102,148   | 36,446     | 73.70%             | 26.30%     | 100.00% | 553,386.52     | 407,862.85            | 145,523.67     |
| <b>Used in Schedule A-11A Page 1</b>    |           |            |                    |            |         |                |                       |                |
| <b>Direct Pumping:</b>                  |           |            |                    |            |         |                |                       |                |
| Glenn Valley WD                         |           | 1,061      |                    | 100.00%    | 100.00% | 1,067.12       |                       | 1,067.12       |
| Gianelli PGP - SFU 1/                   |           |            |                    |            |         | 750,835.33     | 553,388.68            | 197,446.65     |
| Contra Costa PP                         | 91,209    | 240        | 99.74%             | 0.26%      | 100.00% | 433,857.46     | 432,718.83            | 1,138.63       |
| Colusa CWD (Incl. Arb./Will O&M Office) | 113       | 37,577     | 0.30%              | 99.70%     | 100.00% | 153,280.16     | 459.55                | 152,820.60     |
| Corning WD                              |           | 10,655     |                    | 100.00%    | 100.00% | 27,918.16      |                       | 27,918.16      |
| Dunnigan WD                             |           | 14,107     |                    | 100.00%    | 100.00% | 1,722.23       |                       | 1,722.23       |
| Kanawha WD                              |           | 33,615     |                    | 100.00%    | 100.00% | 15,255.85      |                       | 15,255.85      |
| Orland-Artois WD                        |           | 39,750     |                    | 100.00%    | 100.00% | 46,687.99      |                       | 46,687.99      |
| Panoche WD - SLC                        |           | 48,000     |                    | 100.00%    | 100.00% | 813.53         |                       | 813.53         |
| Westside WD                             |           | 48,750     |                    | 100.00%    | 100.00% | 11,566.81      |                       | 11,566.81      |
| Pleasant Valley PP                      | 3,517     | 64,928     | 5.14%              | 94.86%     | 100.00% | 342,474.98     | 17,596.79             | 324,878.19     |
| Pleasant Valley Relifts                 |           | 16,233     |                    | 100.00%    | 100.00% | 31,659.91      |                       | 31,659.91      |
| Proberta WD                             |           | 2,625      |                    | 100.00%    | 100.00% | 2,845.91       |                       | 2,845.91       |
| San Luis WD Relifts                     | 341       | 69,355     | 0.49%              | 99.51%     | 100.00% | 302,222.03     | 1,478.67              | 300,743.36     |
| State-Delta PP - Cross Valley Canal     | 973       |            |                    |            |         | 83,928.73      | 1,272.34              | 82,656.39      |
| Westlands WD Relifts                    | 4,500     | 692,538    | 0.65%              | 99.35%     | 100.00% | 1,667,163.10   | 10,763.02             | 1,656,400.08   |
| Wintu PP                                | 4,299     | 11,179     | 27.77%             | 72.23%     | 100.00% | 103,240.89     | 28,672.39             | 74,568.50      |
| City of Shasta Lake (Shasta PP) 5/      | 2,400     |            | 100.00%            |            | 100.00% | 20,597.71      | 20,597.71             |                |
| Dos Amigos PP - Cross Valley Canal      |           |            |                    |            |         | 129,467.25     | 1,962.70              | 127,504.55     |
| Reimbursable Billing                    |           |            |                    |            |         | 4,295.18       |                       |                |
| Project General                         |           |            |                    |            |         | 5,991.93       |                       |                |
| Nonreimbursable F&W                     |           |            |                    |            |         | 20,602.76      |                       |                |
|                                         |           |            |                    |            |         | 18,900,000.00  | 2,622,575.31          | 16,246,534.81  |

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FOOTNOTES

- 1/ See Ratios in the Storage section
- 2/ Irrigation contractor receives class 2 water which is not charged for the storage component
- 3/ According to MP-2810 (CB 06/93) only 70% of San Luis Canal Deliveries are stored in B.F. Sisk San Luis Reservoir and, therefore, require pumping by the WR Gianelli Pump-Generator.
- 4/ Excludes estimated San Luis WD deliveries before Dos Amigos. The calculation reflects the relationship between actual deliveries. versus actual exclusions over a five year period 341 - 314 = 27 ).

| M&I Deliveries *                                                                                          |              | Ratio          | Estimated Exclusion |
|-----------------------------------------------------------------------------------------------------------|--------------|----------------|---------------------|
| Total                                                                                                     | Excluded     |                |                     |
| 1999 537                                                                                                  | 502          |                |                     |
| 2000 520                                                                                                  | 481          |                |                     |
| 2001 535                                                                                                  | 484          |                |                     |
| 2002 581                                                                                                  | 536          |                |                     |
| 2003 687                                                                                                  | 630          |                |                     |
| <u>2,860</u>                                                                                              | <u>2,633</u> | <u>0.92063</u> | <u>314</u>          |
| Total Dos Amigos Pumping Plant M&I Projected Water Deliveries less exclusions for San Luis Water District |              |                |                     |
| 11,852                                                                                                    | -            | 314            | = 11,538            |

\* Provided annually by Valerie Ungvari, CVOCO

- 5/ It was determined in late 2000 that Shasta PP serves the City of Shasta Lake exclusively and accordingly is not a pooled storage cost. As a result, PUE O&M will proactively be allocated to this contractor beginning 2001.
- 6/ Delivery Base has been modified. See Footnote 9 on Schedule A-12 and associated MP-3400 Standard Operating Procedure (SOP). Refer to IRR Sch A-11A for allocation of costs between Irrigation and M&I.

Source:  
M&I Sch. A-12A  
IRR Sch. A-11A