

M&I 2019 Sch A-2A F.Z21.XLSM
2/5/2019

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I COST OF SERVICE AND PROJECT USE ENERGY (PUE) WATER RATES PER ACRE-FOOT BY CONTRACTOR
2019 M&I WATER RATES

| A | B | C | D | E | F | G | H | I | J | K | L | M | |
|------------------------------------|---|-----------------------------|--|---|--|------------------------------------|------------------------------------|---|--------------------------|--|---------------------------------------|--|--|
| Facility/Contractor Ref | Construction Cost Per A/F <Sch. A-2Ba> | Estimated O&M Cost Per A/F | | | | | Conveyance Pumping <Sch A-8> | Credit for Other PUE Remittance ^{2/} <Sch A-11> | Total O&M SUM(C:H) | Deficit Cost Per A/F <Sch. A-6> | Cost of Service Rate (B+I+J) | PUE Direct Pumping <Sch A-11> | PUE Other PUE Remittance ^{2/} <Sch A-11> |
| | | Water Mrktg <Sch A-8> | Storage (Includes Offset) <Sch A-8> | Direct Pumping Offset <Sch A-11> | Conveyance ^{1/} <Sch A-8> | Conveyance Pumping <Sch A-8> | | | | | | | |
| Black Butte D&R | | | | | | | | | | | | | |
| County of Colusa | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Elk Creek CSD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 5.72 | \$ 28.96 | \$ - | \$ - | |
| US Forest Service - BB | \$ 3.62 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 2.12 | \$ 28.98 | \$ - | \$ - | |
| Whitney Const. | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 3.43 | \$ 26.67 | \$ - | \$ - | |
| Clear Creek Unit | | | | | | | | | | | | | |
| Clear Creek CSD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.41 | \$ 23.65 | \$ - | \$ - | |
| Contra Costa Canal | | | | | | | | | | | | | |
| Contra Costa WD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ (2.01) | \$ 21.23 | \$ - | \$ 21.23 | \$ 7.33 | \$ 2.01 | |
| Cow Creek Unit | | | | | | | | | | | | | |
| Bella Vista WD | \$ - | \$ 7.34 | \$ 15.90 | \$ 14.80 | \$ - | \$ - | \$ - | \$ 38.04 | \$ - | \$ 38.04 | \$ - | \$ - | |
| Cross Valley Canal | | | | | | | | | | | | | |
| County of Fresno ^{3/} | \$ - | \$ 7.34 | \$ 15.90 | \$ 11.64 | \$ - | \$ - | \$ - | \$ 34.88 | \$ 95.93 | \$ 130.81 | \$ - | \$ - | |
| County of Tulare ^{3/} | \$ 8.84 | \$ 7.34 | \$ 15.90 | \$ 11.64 | \$ - | \$ - | \$ - | \$ 34.88 | \$ 122.05 | \$ 165.77 | \$ - | \$ - | |
| Delta-Mendota Canal | | | | | | | | | | | | | |
| Byron-Bethany ID | \$ 0.21 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.45 | \$ - | \$ - | |
| City of Tracy | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Del Puerto WD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Department of VA ^{3/} | \$ 2.51 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.90 | \$ 27.65 | \$ - | \$ - | |
| Panoche WD - DMC | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.66 | \$ 24.90 | \$ - | \$ - | |
| San Luis WD - DMC | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Folsom D&R | | | | | | | | | | | | | |
| City of Folsom | \$ 4.55 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 27.79 | \$ - | \$ - | |
| City of Roseville | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| El Dorado ID - FD&R | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Placer County WA | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.08 | \$ 23.32 | \$ - | \$ - | |
| Sacramento County WA ^{3/} | \$ 2.10 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.86 | \$ 27.20 | \$ - | \$ - | |
| San Juan WD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |

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| A | B | C | D | E | F | G | H | I | J | K | L | M | |
|--|---|-----------------------------|--|---|--|------------------------------------|-----------|---|--------------------------|--|---------------------------------------|--|--|
| Facility/Contractor Ref | Construction Cost Per A/F <Sch. A-2Ba> | Estimated O&M Cost Per A/F | | | | | | Credit for Other PUE Remittance ^{2/} <Sch A-11> | Total O&M SUM(C:H) | Deficit Cost Per A/F <Sch. A-6> | Cost of Service Rate (B+I+J) | PUE Direct Pumping <Sch A-11> | PUE Other PUE Remittance ^{2/} <Sch A-11> |
| | | Water Mrktg <Sch A-8> | Storage (Includes Offset) <Sch A-8> | Direct Pumping Offset <Sch A-11> | Conveyance ^{1/} <Sch A-8> | Conveyance Pumping <Sch A-8> | | | | | | | |
| <u>Folsom-South Canal</u> | | | | | | | | | | | | | |
| East Bay MUD | \$ 30.95 | \$ 7.34 | \$ 15.90 | \$ - | \$ 2.55 | \$ - | \$ - | \$ 25.79 | \$ 56.71 | \$ 113.45 | \$ - | \$ - | |
| Sacramento County WA - FSC ^{3/} | \$ 7.21 | \$ 7.34 | \$ 15.90 | \$ - | \$ 2.55 | \$ - | \$ - | \$ 25.79 | \$ 14.77 | \$ 47.77 | \$ - | \$ - | |
| Sacramento MUD | \$ 11.75 | \$ 7.34 | \$ 15.90 | \$ - | \$ 2.55 | \$ - | \$ - | \$ 25.79 | \$ - | \$ 37.54 | \$ - | \$ - | |
| <u>Friant Dam</u> | | | | | | | | | | | | | |
| County of Madera | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 15.18 | \$ 38.42 | \$ - | \$ - | |
| Fresno County WW#18 | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 2.58 | \$ 25.82 | \$ - | \$ - | |
| <u>Friant-Kern Canal</u> | | | | | | | | | | | | | |
| Arvin-Edison WSD | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.05 | \$ 23.29 | \$ - | \$ - | |
| City of Fresno | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 21.01 | \$ 44.25 | \$ - | \$ - | |
| City of Lindsay ^{3/} | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.85 | \$ 24.09 | \$ - | \$ - | |
| City of Orange Cove ^{3/} | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 2.41 | \$ 25.65 | \$ - | \$ - | |
| Delano-Earlimart ID | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Lindsay-Strathmore ID | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 3.13 | \$ 26.37 | \$ - | \$ - | |
| Shafter-Wasco | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.05 | \$ 23.29 | \$ - | \$ - | |
| Terra Bella ID | N/A | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.13 | \$ 23.37 | \$ - | \$ - | |
| <u>New Melones D & R</u> | | | | | | | | | | | | | |
| Stockton East WD | \$ 6.46 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 29.70 | \$ - | \$ - | |
| <u>Sacramento River</u> | | | | | | | | | | | | | |
| City of Redding - SR ^{3/} | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 4.59 | \$ 27.83 | \$ - | \$ - | |
| City of West Sacramento | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Lake California P.O.A. | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| Riverview Golf & CC | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - | |
| <u>San Felipe Unit</u> | | | | | | | | | | | | | |
| SB County WD - IB ^{3/} | \$ - | \$ 7.34 | \$ 14.70 | \$ - | \$ - | \$ - | \$ (4.21) | \$ 17.83 | \$ 0.15 | \$ 17.98 | \$ 15.35 | \$ 4.21 | |
| SC Valley WD - IB | \$ 1.94 | \$ 7.34 | \$ 14.70 | \$ - | \$ - | \$ - | \$ (4.96) | \$ 17.08 | \$ - | \$ 19.02 | \$ 18.08 | \$ 4.96 | |
| <u>San Luis Canal - Fresno</u> | | | | | | | | | | | | | |
| City of Avenal | \$ 21.58 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 44.82 | \$ - | \$ - | |
| City of Coalinga ^{3/} | \$ 27.28 | \$ 7.34 | \$ 15.90 | \$ 25.56 | \$ - | \$ - | \$ - | \$ 48.80 | \$ 19.00 | \$ 95.08 | \$ - | \$ - | |
| City of Huron ^{3/} | \$ 10.33 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 56.86 | \$ 90.43 | \$ - | \$ - | |
| State of CA | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.88 | \$ 25.12 | \$ - | \$ - | |
| Westlands WD | \$ 9.26 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ (3.14) | \$ 20.10 | \$ - | \$ 29.36 | \$ 11.44 | \$ 3.14 | |

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| A | B | C | D | E | F | G | H | I | J | K | L | M | |
|--------------------------------------|---|-----------------------------|--|---|--|------------------------------------|------|---|--------------------------|--|---------------------------------------|--|--|
| Facility/Contractor Ref | Construction Cost Per A/F <Sch. A-2Ba> | Estimated O&M Cost Per A/F | | | | | | Credit for Other PUE Remittance ^{2/} <Sch A-11> | Total O&M SUM(C:H) | Deficit Cost Per A/F <Sch. A-6> | Cost of Service Rate (B+I+J) | PUE Direct Pumping <Sch A-11> | PUE Other PUE Remittance ^{2/} <Sch A-11> |
| | | Water Mrktg <Sch A-8> | Storage (Includes Offset) <Sch A-8> | Direct Pumping Offset <Sch A-11> | Conveyance ^{1/} <Sch A-8> | Conveyance Pumping <Sch A-8> | | | | | | | |
| <u>San Luis Canal - Tracy</u> | | | | | | | | | | | | | |
| Pacheco WD - SLC | \$ 27.28 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 6.42 | \$ 56.94 | \$ - | \$ - |
| Panoche WD - SLC | \$ 3.89 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 2.71 | \$ 29.84 | \$ - | \$ - |
| San Luis WD - SLC | \$ 5.50 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ (5.97) | \$ 17.27 | \$ 0.18 | \$ 22.95 | \$ 21.76 | \$ 5.97 |
| <u>Shasta D&R</u> | | | | | | | | | | | | | |
| Centerville CSD ^{3/} | \$ 9.01 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.20 | \$ 33.45 | \$ - | \$ - |
| Mountain Gate CSD | \$ 1.78 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.61 | \$ 26.63 | \$ - | \$ - |
| Shasta CWA | \$ 3.82 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 27.06 | \$ - | \$ - |
| <u>Spring Creek Conduit</u> | | | | | | | | | | | | | |
| City of Redding - SCC ^{3/} | \$ 2.83 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 0.94 | \$ 27.01 | \$ - | \$ - |
| Shasta CWA - SCC | \$ 3.54 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.41 | \$ 28.19 | \$ - | \$ - |
| Shasta CSD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 1.51 | \$ 24.75 | \$ - | \$ - |
| <u>Tehama-Colusa Canal</u> | | | | | | | | | | | | | |
| Colusa County WD | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ (3.79) | \$ 19.45 | \$ - | \$ 19.45 | \$ 13.84 | \$ 3.79 |
| Kanawha WD | \$ 4.20 | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ (0.57) | \$ 22.67 | \$ - | \$ 26.87 | \$ 2.07 | \$ 0.57 |
| <u>Toyon Pipeline</u> | | | | | | | | | | | | | |
| City of Redding - TP | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ - | \$ 23.24 | \$ - | \$ - |
| City of Shasta Lake | \$ - | \$ 7.34 | \$ 15.90 | \$ 0.61 | \$ - | \$ - | \$ - | \$ - | \$ 23.85 | \$ 26.52 | \$ 50.37 | \$ - | \$ - |
| US Forest Service | \$ - | \$ 7.34 | \$ 15.90 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 23.24 | \$ 14.28 | \$ 37.52 | \$ - | \$ - |

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Footnotes:

- 1/ Except for costs of Folsom South Canal, conveyance and conveyance pumping O&M costs are direct billed to the water authorities.

- 2/ Project Use Energy payment is being remitted to Western Area Power Authority for storage and direct pumping based on the deliveries of a select few contractors. The rates for the select few contractors are reduced as a credit in the O&M rates. All contractors will ultimately pay for the storage and direct pumping service but as an offset to the amount paid by the select few. Refer to schedule A-11 and A-9 for calculation details.

- 3/ Deficit cost per A/F includes ARRA cost per A/F.