

TRUCKEE MEADOWS WATER AUTHORITY
CAPITAL IMPROVEMENT PLAN
FOR FISCAL YEAR ENDING JUNE 30, 2005 THROUGH JUNE 30, 2014
(Amounts in thousands of dollars)

| Summary of Capital Expenditures | | | | Ten Year | FY | FY | FY | FY | FY | FY | FY | FY | FY | |
|---|---------|--|--|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | | Total | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| Raw Water Supply-Improvements | | | | \$ 18,200 | \$ 2,050 | \$ 1,325 | \$ 1,800 | \$ 1,375 | \$ 1,300 | \$ 950 | \$ 975 | \$ 1,300 | \$ 1,300 | \$ 5,825 |
| Ground Water-Development | | | | 25,450 | 3,550 | 2,500 | 1,300 | 1,300 | 1,300 | 6,500 | 7,500 | 500 | 500 | 500 |
| Treatment-Improvements | | | | 94,300 | 6,700 | 19,100 | 19,900 | 23,550 | 16,050 | 1,300 | 1,550 | 1,800 | 2,050 | 2,300 |
| Distribution-Improvements | | | | 117,729 | 13,477 | 9,000 | 10,198 | 12,135 | 9,275 | 14,450 | 10,025 | 15,450 | 13,269 | 10,450 |
| Storage-Improvements | | | | 48,350 | 8,500 | 7,100 | 2,950 | 450 | 4,100 | 5,450 | 12,450 | 2,450 | 2,450 | 2,450 |
| Hydroelectric-Improvements | | | | 4,750 | 375 | 1,375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 |
| Water Rights | | | | 30,500 | 2,600 | 2,700 | 2,800 | 2,900 | 3,000 | 3,100 | 3,200 | 3,300 | 3,400 | 3,500 |
| Customer Service | | | | 34,659 | 6,032 | 5,357 | 4,750 | 4,460 | 4,210 | 1,960 | 2,010 | 1,960 | 1,960 | 1,960 |
| Aministrative | | | | 17,477 | 8,159 | 1,743 | 855 | 965 | 890 | 1,030 | 1,015 | 900 | 900 | 1,020 |
| Total TMWA Capital Improvements | | | | \$ 391,415 | \$51,443 | \$50,200 | \$44,928 | \$47,510 | \$40,500 | \$35,115 | \$39,100 | \$28,035 | \$26,204 | \$28,380 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| # Priority Funding Raw Water Supply-Improvements | | | | Ten Year | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY |
| | | | | Total | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| 2 | CR | Highland Canal-Upgrades | | \$ 9,250 | \$ 1,100 | \$ 1,100 | \$ 1,100 | \$ 1,100 | \$ 1,100 | \$ 750 | \$ 750 | \$ 750 | \$ 750 | \$ 750 |
| 3 | CR | Mogul Bypass Siphon | | 6,000 | - | - | - | - | - | - | - | 500 | 500 | 5,000 |
| 2 | CR | Independence Lake Upgrades | | 100 | - | 25 | - | 25 | - | - | 25 | - | - | 25 |
| 1 & 3 | CR | Donner Dam Upgrade | | 800 | 750 | - | - | 50 | - | - | - | - | - | - |
| 2 | CR | Highland/Washoe Headgates | | 500 | - | - | 500 | - | - | - | - | - | - | - |
| 3 | CR | Ditch/Watershed Monitoring Improvement | | 500 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2 | CR | Non-potable irrigation | | 1,050 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | - | - | - |
| Subtotal Supply-Upstream CAPEX | | | | 18,200 | 2,050 | 1,325 | 1,800 | 1,375 | 1,300 | 950 | 975 | 1,300 | 1,300 | 5,825 |
| | | | | | | | | | | | | | | |
| Ground Water-Development | | | | | | | | | | | | | | |
| 1 | DF | Well Development | | 6,400 | 3,000 | 1,000 | 800 | 800 | 800 | - | - | - | - | - |
| 2 | DF | Well Development/Treatment Sparks | | 14,050 | 50 | 1,000 | - | - | - | 6,000 | 7,000 | - | - | - |
| 1 | CR | Well Rehabilitation & Improvements | | 5,000 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Subtotal Supply -Well CAPEX | | | | 25,450 | 3,550 | 2,500 | 1,300 | 1,300 | 1,300 | 6,500 | 7,500 | 500 | 500 | 500 |
| | | | | | | | | | | | | | | |
| Treatment-Improvements | | | | | | | | | | | | | | |
| 1 & 2 | CR | Treatment Plants- Fix & Finish | | 12,750 | 500 | 750 | 750 | 1,000 | 1,000 | 1,250 | 1,500 | 1,750 | 2,000 | 2,250 |
| 2 | DF & CR | Glendale Effluent Pump Rebuilds | | 3,800 | 100 | 100 | 100 | 3,500 | - | - | - | - | - | - |
| 1 | DF & CR | Chalk Bluff Phase III Expansion | | 500 | 500 | - | - | - | - | - | - | - | - | - |
| 2 | CR | Glendale Low Lift Pump | | 1,250 | 100 | 750 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2 | DF & CR | Glendale Diversion Improvements | | 9,000 | 500 | 500 | 4,000 | 4,000 | - | - | - | - | - | - |
| 1 & 2 | CR | Arsenic Mitigation | | 67,000 | 5,000 | 17,000 | 15,000 | 15,000 | 15,000 | - | - | - | - | - |
| Subtotal Treatment CAPEX | | | | 94,300 | 6,700 | 19,100 | 19,900 | 23,550 | 16,050 | 1,300 | 1,550 | 1,800 | 2,050 | 2,300 |
| | | | | | | | | | | | | | | |

**TRUCKEE MEADOWS WATER AUTHORITY
CAPITAL IMPROVEMENT PLAN
FOR FISCAL YEAR ENDING JUNE 30, 2005 THROUGH JUNE 30, 2014**
(Amounts in thousands of dollars)

| # Priority | Funding | Summary of Capital Expenditures | Ten Year Total | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY |
|------------|---------|--|----------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------|
| | | | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | |
| | | Distribution-Improvements | | | | | | | | | | | | |
| | | Pressure Improvements | | | | | | | | | | | | |
| 2 | CR | Pressure Regulator Rehabilitation | 1,550 | 250 | 250 | 250 | 200 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2 | DF & CR | Pressure Improvements/Interties | 2,000 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 1 | CR | Pump Station Rehabilitations | 7,900 | 1,500 | 400 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| 3 | CR | Standby Generator Replacements | 375 | 75 | - | 75 | - | 75 | - | 75 | - | 75 | - | - |
| 1 | CR | Vista Pump Station #1 Rehabilitation | 100 | 100 | - | - | - | - | - | - | - | - | - | - |
| 2 | DF & CR | Stead Pump Station Rehab | 1,600 | 100 | 1,500 | - | - | - | - | - | - | - | - | - |
| 1 | DF | Talladega PS Rebuild | 350 | 350 | - | - | - | - | - | - | - | - | - | - |
| 2 | DF | New Capacity Pump Stations | 14,000 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| 1 | DF | Mae Anne Pump Station #1 Rebuild | 100 | 100 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Mae Anne Pump Station #2 Rebuild | 100 | 100 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Pyramid Pump Station # 2 Rebuild | 800 | 800 | - | - | - | - | - | - | - | - | - | - |
| 2 | DF | Disc Dr. Pump Station Construction | 925 | 75 | - | 850 | - | - | - | - | - | - | - | - |
| | | Mains/Service Lines | | | | | | | | | | | | |
| 1 | DF | Wedekind Whitfield to Exit 14 | 50 | 50 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | N. McCarran from Greenbrae to York | 744 | 744 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Stanford from Prater to J St. | 175 | 175 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Greenbrae from Stanford to Probasco | 289 | 289 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | N. McCarran from York to N. Truckee | 400 | 400 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Stanford from J St. to Greenbrae | 206 | 206 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Barring from N. Truckee to Goldy | 531 | 531 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | N. Truckee from Baring to Existing 8" line | 15 | 15 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | N. McCarran and York Intertie | 12 | 12 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Greenbrae from Probasco to N. McCarran | 655 | 655 | - | - | - | - | - | - | - | - | - | - |
| 2 | DF | Kumle Ln. to S. Virginia Interfie | 20 | - | 20 | - | - | - | - | - | - | - | - | - |
| 2 | DF | S. Virginia from Kumle to Peckham | 653 | - | 653 | - | - | - | - | - | - | - | - | - |
| 2 | DF | "F" Street from 19th to 15th Main | 659 | - | - | 659 | - | - | - | - | - | - | - | - |
| 2 | DF | 15th St. to F St. to Prater | 41 | - | - | - | 41 | - | - | - | - | - | - | - |
| 2 | DF | 21 St. Street from Glendale WTP to Pacific | 732 | - | - | - | 732 | - | - | - | - | - | - | - |
| 2 | DF | 21 St. Street from Glendale WTP to Glendale Ave. | 547 | 250 | - | - | 297 | - | - | - | - | - | - | - |
| 2 | DF | A St. & 19th to I-80 to "F" St. | 860 | - | - | - | 860 | - | - | - | - | - | - | - |
| 2 | DF | I-80 to Pacific to A St. | 496 | - | - | - | 496 | - | - | - | - | - | - | - |
| 2 | DF | 15th & Greenbrae from F St. to Stanford | 2,429 | - | - | - | - | - | - | - | - | - | 2,429 | - |
| 2 | DF | Pyramid Hwy from Queen to Pyramid PS | 315 | - | - | - | - | - | - | - | - | - | 315 | - |
| 1 | CR | Park St. Main Replacement | 500 | 500 | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | Mayberry to US 40 Oversizing | 250 | 250 | - | - | - | - | - | - | - | - | - | - |
| 2 | DF | General Distribution Line Oversizing/Extensions | 2,500 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 1 | CR | RETRAC-Distribution Realignments | 350 | 350 | - | - | - | - | - | - | - | - | - | - |
| 1 | CR | Scheduled Main Replacements | 51,500 | 2,500 | 3,500 | 4,500 | 5,000 | 5,000 | 5,000 | 5,500 | 6,000 | 6,500 | 6,500 | 6,500 |
| 2 | CR | Stead Main Replacement | 10,500 | - | 250 | - | - | - | 250 | 5,000 | - | 5,000 | - | - |
| 1 | CR | Galv/Poly Service Replacements | 10,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| 1 | CR | Fire Hydrant Replacements | 2,500 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| | | Subtotal Distribution CAPEX | 117,729 | 13,477 | 9,000 | 10,198 | 12,135 | 9,275 | 14,450 | 10,025 | 15,450 | 13,269 | 10,450 | |

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CAPITAL IMPROVEMENT PLAN
FOR FISCAL YEAR ENDING JUNE 30, 2005 THROUGH JUNE 30, 2014
(Amounts in thousands of dollars)

| | | Summary of Capital Expenditures | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---------|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Ten Year Total | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 | FY 2014 | | | | | | | | | |
| Storage Improvements | | | | | | | | | | | | | | | | | | | | | |
| 2 | CR | | | | | | | | | | | | | | | | | | | | |
| 2 | CR | 2,150 | - | - | - | - | 2,150 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | CR | 4,500 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| 2 | CR | 500 | 500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | CR | 1,500 | - | - | - | - | 1,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | CR | 1,000 | - | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 2,750 | 2,750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 4,200 | 100 | 4,100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 1,700 | 1,700 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 1,550 | - | 50 | 1,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | DF & CR | 5,000 | - | - | - | - | - | - | - | - | - | - | 5,000 | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 1,500 | - | 1,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF & CR | 1,000 | - | - | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | 10,000 | - | - | - | - | - | - | - | - | - | - | 5,000 | 5,000 | - | - | - | - | - | - | - |
| 2 | DF | 8,000 | - | - | - | - | - | - | - | - | - | - | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| | | 48,350 | 8,500 | 7,100 | 2,950 | 450 | 4,100 | 5,450 | 12,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 | 2,450 |
| Hydroelectric-Improvements | | | | | | | | | | | | | | | | | | | | | |
| 2 | CR | 1,000 | - | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | CR | 2,500 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 3 | CR | 1,250 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| | | 4,750 | 375 | 1,375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 |
| Water Resources & Planning | | | | | | | | | | | | | | | | | | | | | |
| 1 | DF | 30,500 | 2,600 | 2,700 | 2,800 | 2,900 | 3,000 | 3,100 | 3,200 | 3,300 | 3,400 | 3,500 | 3,600 | 3,700 | 3,800 | 3,900 | 4,000 | 4,100 | 4,200 | 4,300 | 4,400 |
| | | 30,500 | 2,600 | 2,700 | 2,800 | 2,900 | 3,000 | 3,100 | 3,200 | 3,300 | 3,400 | 3,500 | 3,600 | 3,700 | 3,800 | 3,900 | 4,000 | 4,100 | 4,200 | 4,300 | 4,400 |
| Customer Service | | | | | | | | | | | | | | | | | | | | | |
| 1 | CR | 150 | 150 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | CR | 144 | 32 | 32 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 | CR | 90 | - | - | 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | DF | 14,000 | 3,500 | 3,000 | 2,750 | 2,500 | 2,250 | 2,000 | 1,750 | 1,500 | 1,250 | 1,000 | 750 | 500 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 1 | DF | 5,500 | 750 | 750 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| 1 | CR | 12,925 | 1,250 | 1,275 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 |
| 1 | CR | 1,850 | 350 | 300 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | | 34,659 | 6,032 | 5,357 | 4,750 | 4,460 | 4,210 | 1,960 | 2,010 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 | 1,960 |

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CAPITAL IMPROVEMENT PLAN
FOR FISCAL YEAR ENDING JUNE 30, 2005 THROUGH JUNE 30, 2014
(Amounts in thousands of dollars)**

| Summary of Capital Expenditures | | Ten Year | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY | FY |
|---|--|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | Total | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | | | |
| Aministrative | | | | | | | | | | | | | | | |
| 1 | CR GIS System Mapping Project | 460 | 230 | 230 | - | - | - | - | - | - | - | - | - | - | - |
| 2 | CR Administration PCs and network upgrades | 495 | 45 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2 | CR Network Server/Storage upgrades | 1,400 | 50 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 2 | CR Network Security Upgrades | 2,292 | 267 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 |
| 2 | CR Engineering Computer/Software Upgrades | 740 | 65 | 65 | 65 | 65 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 2 | CR Water Resource Computers/Software | 759 | 84 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 1 | CR VOIP Phone System | 160 | 160 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | CR Furniture -Office Equipment | 221 | 38 | 38 | - | 25 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 1 | CR Dump truck 12.5 yd | 275 | - | 135 | - | - | - | 140 | - | - | - | - | - | - | - |
| 2 | CR Backhoe Trailers | 30 | - | - | 15 | - | - | - | 15 | - | - | - | - | - | - |
| 1 | CR Light Crew Trucks Cab & Chassis | 1,600 | 175 | 150 | 150 | 150 | 160 | 160 | 160 | 165 | 165 | 165 | 165 | 165 | 165 |
| 1 | CR Light Crew Truck Improvements | 1,320 | 150 | 125 | 125 | 125 | 130 | 130 | 130 | 135 | 135 | 135 | 135 | 135 | 135 |
| 1 | CR Heavy Crew Trucks Cab & Chassis | 232 | 52 | - | - | 55 | - | - | 60 | - | - | - | - | - | 65 |
| 1 | CR Heavy Crew Trucks Improvements | 193 | 43 | - | - | 45 | - | - | 50 | - | - | - | - | - | 55 |
| 1 | CR Security-VA /ER Project | 1,000 | 500 | 500 | - | - | - | - | - | - | - | - | - | - | - |
| 1 | CR TMWA Operations Facility | 6,300 | 6,300 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal Transportation-IT-CAPEX | | 17,477 | 8,159 | 1,743 | 855 | 965 | 890 | 1,030 | 1,015 | 900 | 900 | 900 | 900 | 900 | 1,020 |
| Total Capital Expenditures (CAPEX) | | \$ 391,415 | \$ 51,443 | \$ 50,200 | \$ 44,928 | \$ 47,510 | \$ 40,500 | \$ 35,115 | \$ 39,100 | \$ 28,035 | \$ 26,204 | \$ 26,204 | \$ 26,204 | \$ 26,204 | \$ 28,380 |