



FEATHER RIVER

REGIONAL FLOOD MANAGEMENT PLAN

2017

Feather River
Regional Flood Management Plan
Regional Governance – Final Draft

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FEATHER RIVER REGIONAL PLAN OPERATION AND MAINTENANCE GOVERNANCE STUDY

Project Background

The Regional Partners, comprised of the Yuba County Water Agency (YCWA), Three Rivers Levee Improvement Authority (TRLIA), Marysville Levee Commission (MLC), and Sutter Butte Flood Control Agency (SBFCA), have partnered with the State of California's Department of Water Resources (DWR) to develop a broadly supported Feather River Regional Flood Management Plan (FRRFMP or Plan). The FRRFMP aligns with the Central Valley Flood Protection Plan (CVFPP), and qualifies projects for future state and federal funding. Toward that end, the Regional Partners have developed and implemented a plan formulation process, with a strong strategic stakeholder outreach effort, in order to strengthen inter-agency working relationships and facilitate region-wide understanding of integrated flood management goals, objectives, and needs. A key goal of the group was formulation of a sustainable partnership structure that facilitates future implementation of mutually-beneficial projects. The end result is a list of actions for reduction of flood risk in urban, rural, and small communities. Such actions include a combination of improvements to the levee system, updated emergency response and recovery plans, floodplain management enhancements and ecosystem restoration projects along the Feather River corridor that advance overall ecosystem health and species recovery.

The Draft Final FRRFMP was completed in July 2014, at which time DWR requested that the Regional Partners develop: a plan for continued stakeholder engagement, evaluations of improved regional governance, and alternatives to address institutional barriers through June 2017. Specifically for regional governance, DWR requested that the tasks include identification of specific opportunities for improved governance, and development of an organizational structure; thus, ensuring that DWR could effectively engage in flood risk management in the region. The tasks should also include formulation of solutions related to policies and procedures, training requirements, and potential regional levee maintaining agency (LMA) consolidation for Operations and Maintenance (O&M) and Emergency Response (ER).

In response, the FRRFMP Partners formed a team made up of representatives of the partnering agencies, Engineers, Legal Counsel, and Financial Consultants to examine the existing makeup of flood control governing agencies in the region, to identify issues that need to be addressed, improvements that can be made, potential implementation barriers, and a strategy and process for improved governance in the region.

Feather River Region Governance Needs

The Feather River region is comprised of 12 local levee and reclamation districts, State maintenance areas (collectively known as LMAs), as well as several other flood control related entities (including TRLIA, SBFCA, DWR's Sutter Yard, and YCWA). There are several factors that influence LMA size, makeup, funding level, activities, and needs. These factors led to districts being established by locals to ensure that control of the area would remain under local authority.

Due to the varying size and makeup of LMAs, O&M budgets in the region vary from minimal amounts of funding (\$1,700/levee mile) to more robust budgets (\$50,000/levee mile). Many of the districts with budgets on the smaller end of the spectrum, do not have any dedicated staff or equipment, and rely solely on volunteers or contractors to monitor levees, and perform work. Furthermore, on the Sutter County side of the Feather River, there are four state Maintenance Areas (MAs) responsible for portions of the same basin. These MAs do not have assessment districts that required approval by property owners, rather, the State is able to establish revenue needs and direct county tax collectors to levy charges through county property taxes. In addition, the Sutter Bypass and Wadsworth Canal are operated and maintained by the state as required by Water Code Section 8361. Some Districts are also responsible for internal drainage while others are only responsible for levees. All of these factors lead to varying levels of maintenance performance, as well as uncertainty with regard to availability of personnel, equipment, and materials, during flood events. Consolidation of LMAs, the formation of new or restructuring of existing Joint Power Authorities (JPAs), or other regional governance structures, could leverage assessments collected for more efficient provision of O&M services, and could assist the Districts in becoming more competitive in acquiring State or Federal cost share for improvements.

Geography plays another important role in LMA activities. While several districts are responsible for levees in urban settings, others are responsible for levees protecting rural areas. Urban areas may experience a higher degree of trespass, vandalism, and scrutiny of activities due to the proximity to residential and commercial property, i.e. burning and pesticide/herbicide application. As a result, rural and urban areas often undertake different activities to operate and maintain their facilities.

Another factor that needs to be addressed is that some hydraulic basins, such as the Sutter Basin and Wheatland areas with inter-dependent levees comprising one flood zone, have both urban and rural areas. These basins also have more than one LMA, even though an upstream or downstream levee issue may flood the neighboring LMA. Recent movements in flood control treat these hydraulic basins as one interconnected system, yet different LMAs operate and maintain their portions of the basin in different ways. Furthermore, Proposition 218 constrains how local assessment funds can be raised, by virtue of how benefits and costs must be assessed and apportioned. It would make sense to consolidate activities throughout each basin, which would allow for more efficiency in O&M activities, leverage larger areas, and permit constituents to spread out benefits and costs. Other added benefits would include the ability for the consolidated group to advocate with one voice, perform more consistent and standardized O&M activities within each basin, and increase emergency response capabilities.

Yet another factor in the Feather River region is that two large JPAs have been formed to implement large scale levee improvement projects; SBFCA in Sutter and Butte Counties on the west side of the Feather River, and TRLIA in RD 784 on the east side of the River. Through implementation of large capital improvement projects, these JPAs have committed to long-term mitigation and monitoring activities and have formed assessment and/or community facility districts to finance improvements with long-term debt. As a result, there is sometimes overlapping jurisdiction resulting in redundant activities that could be more efficiently handled through consolidated governance.

A related issue is the inability of individual LMAs to keep up with ever-changing standards. Individual LMAs lack significant influence over regulations to improve flood control, and have limited ability to advocate for increased State and/or Federal funding for flood control in their areas. A larger and more cohesive regional governing entity could provide for more efficiency, and preserve the long-term structure required to meet the long-term debt, monitoring, or assessment needs, for O&M or other large scale projects.

Furthermore, YCWA owns and operates New Bullards Bar Dam and Reservoir in Yuba County. Water supply and flood control for the residents and businesses of Yuba County make up the primary missions of YCWA. Given this mission, the monies generated from the New Bullards Bar facilities have been, and will continue to be, a strong source of funding to aid in improvement of flood protection in Yuba County.

Another issue that affects the region as a whole is the need for a cooperative flood evacuation plan and drills for flood emergencies. For much of the region, there are limited escape routes and/or places of refuge not subject to flooding during an emergency. For example, in 1955 residents were evacuated from Marysville to Yuba City. Shortly thereafter, the levee in Yuba City broke, resulting in the loss of 38 lives. In the 2017 Oroville Dam evacuation, there was gridlock on area routes which resulted in it taking many hours to evacuate on a route that would normally take less than one hour. Cooperative flood evacuations would provide for coordinated activities to remove people from the floodplain to prevent catastrophic loss of life in the event a levee fails elsewhere. The entire region would benefit from cooperative flood evacuation plans and emergency operations to prevent unnecessary loss of life in a future flood emergency.

Finally, a key consideration for several alternatives will be the coordination between counties in administering prospective assessment districts throughout a multi-county hydraulic basin. Currently, two counties collect assessments throughout the SBFCA service area for a single capital improvement program; however, this may prove difficult, both administratively and politically, for long-term O&M. If only in the short term, there may be a benefit to bookending consolidated maintenance entities along county lines.

Description of Feather Region Flood Management Entities

Federal

U.S. Army Corps of Engineers (USACE)

USACE has regulatory oversight over all levee and flood infrastructure within the state Flood Control System. Levees damaged by a flood event are eligible for federal rehabilitation funds (authorized PL 84-99) through implementation of the Rehabilitation and Inspection Program (RIP), as long as the levee is still in good standing within the RIP. In order to receive assistance, all levees are required to follow PL 84-99 O&M guidelines, which include design, structural integrity, and encroachment compliance (including qualified vegetation practices). Levees must also be periodically inspected in order to be certified under the National Levee Safety Program. An inspection checklist evaluates currently

conducted levee O&M procedures and provides a rating. This rating determines if a levee system is “compliant” under the USACE Levee Safety Program. Of the eight hydraulic basins in the Feather River region, only two (Marysville and Plumas Lake) basins received acceptable ratings and were allowed to remain active in PL 84-99. Two additional basins (RD 1001 and Sutter Basin) remain active while implementing System-Wide Improvement Framework (SWIF) plans. Table 1 shows the current status of each basin, as reported on the USACE website. It should be noted that many of the “Major Issues” reported here have been, or are being, addressed by the LMAs; however, USACE has not yet performed re-inspections to update their website. Re-inspections are typically performed every five years or at the request of LMAs once all items have been corrected.

The USACE also regulates structural alterations to federal levees through United States Code, Title 33 Section 408, and is responsible for administering Section 404 of the Clean Water Act (CWA). The CWA may have an impact on O&M activities concerning levees and flood control channels.

Table 1. Feather River Region PL 84-99 Status

Hydraulic Basin	System	LMA(s)	Location	PL84-99 Status Active/Inactive	Major Issues
1	Cherokee Canal	MA 13	Butte County	Inactive	Encroachments, Animal Control, Erosion, Slope Stability
2	Feather River Right Bank - Sutter Bypass East Bank Levee System	LDs 1 & 9, MAs 3, 9, 7, & 16, DWR Sutter Yard	Sutter County - Yuba City/Sutter Basin	Inactive*	Encroachments, Slope Stability, Underseepage Relief Wells, Depressions and Rutting, Erosion / Bank caving
3	Honcut Creek, Feather River left bank and Jack Slough right bank	RD 10	Yuba County - Honcut	Inactive	Encroachments, Erosion, Animal Control
4	Marysville Ring Levee	Marysville Levee District	Yuba County - Marysville	Active	Slope Stability
5	Plumas Lake Basin	RD 784	Yuba County - Linda, Olivehurst, and Plumas Lake	Active	Encroachments
6	Best Slough/Dry Creek, Horseshoe levee	RDs 784 & 817	Yuba County Unincorporated	Inactive	Encroachments, Erosion, Animal Control
7	Bear River, Dry Creek	RDs 2103 & 817	Yuba County - Wheatland Area	Inactive	Encroachments, Erosion, Animal Control
8	Nicolaus, Feather, Bear, Yankee Slough	RD 1001	Sutter County - Rio Oso, Nicolaus, Verona	Inactive*	Vegetation, Encroachments, Slope Stability, Animal Control

*Systems remain active under approved Letters of Intent or System-Wide Improvement Framework (SWIF) Plans

Source: <http://www.spk.usace.army.mil/Missions/Civil-Works/Levee-Safety-Program/Levee-Systems-Inspection-Status/>

State

Central Valley Flood Protection Board (CVFPB)

The CVFPB is the regulatory authority over the State Plan of Flood Control (SPFC) levee system. Various responsibilities of the CVFPB include approval of flood infrastructure project funding, reviewing flood relevant elements of city and county general plans; adopting the initial CVFP, including future updates; annually reviewing LMA O&M reports; and most significantly, encroachment review, approval, and enforcement. The Board is currently in its 101st year of operation, and is made up of seven (7) voting and two (2) non-voting members appointed by the Governor. Water Code Section 8560 sets the voting requirements for Board action. The CVFPB influences flood management in the Feather region by reviewing general plans that seek to reduce flood risk vulnerability, working with DWR to provide

adequate funding for flood management needs, and by reviewing and coordinating approval of encroachment activities. Encroachment activities reviewed and coordinated by CVFPB include private encroachments and public utilities, in addition to other non-routine levee maintenance, repair, or improvement projects.

CA Department of Water Resources (DWR)

Through FloodSAFE California, a long-term strategic initiative established in 2006 to reduce the risk and consequences of flooding in California, DWR conducts flood management planning state-wide and in the Central Valley. DWR also provides state-wide support in floodplain risk management. FloodSAFE is also an important component of DWR's Integrated Water Management (IWM) initiative, which is designed to achieve a sustainable, robust, and resilient flood and water management system for the benefit of all Californians (<http://www.water.ca.gov/floodsafe/>). Some high-level responsibilities include cooperating with USACE in project planning, design, and funding for SPFC projects, and state-wide coordination of emergency operations. DWR coordinates with the National Oceanic and Atmospheric Administration (NOAA) on flood and water supply forecasting, and also operates the Flood Operations Center. DWR and the CVFPB are separate entities under the California Natural Resources Agency; DWR has state-wide water resources responsibilities, and the CVFPB has specific jurisdiction over the SPFC. As required by State legislation, DWR's Division of Flood Management (DFM) wrote the Central Valley Flood Protection Plan (CVFPP), and the CVFPB adopted the plan in June 2012. In addition, DWR offers financial and technical assistance for LMAs and local jurisdictions through a variety of cost-share grant programs, including the Flood System Repair Project (FSRP), and Urban and Small Community Grant programs.

DFM's Flood Project Integrity and Inspection Branch conducts two comprehensive levee inspections and one channel and structural inspection each year. Through both Non-Urban Levee Evaluations (NULE) and Urban Levee Evaluations (ULE), DWR documents levee structural issues, and recommends measures to ensure flood risk protection. As described above, there are several federal project levees and channels in the Feather region that are maintained by DWR's Sacramento Maintenance Yard including the Cherokee Canal, the Sutter Bypass east levee, and portions of the Feather River west levee. These areas are facing many of the same flood management problems as other LMAs in the region.

Cities and Counties

Sutter County – Sutter County suffered historically significant flooding in 1986, and 1997, with two catastrophic levee failures occurring in 1955. Sutter County is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection. Sutter County currently collects a development impact fee to fund capital improvements in the Yuba City Basin.

Butte County – Butte County has suffered historically significant flooding along the Feather River. Butte County is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection.

Yuba County – Yuba County suffered historically significant flooding in 1950, with catastrophic levee failures occurring in 1986 and 1997. Yuba County is a member agency of TRLIA, and is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection.

City of Marysville – Marysville has suffered historically significant flooding, but has not had a catastrophic levee failure since before 1900, although the city did require significant flood fighting in the floods of 1955, 1986, and 1997. Marysville is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection.

City of Wheatland – The City of Wheatland is located along Highway 65, between Dry Creek to the north and the Bear River to the south. Wheatland is considered an urbanizing area with a current population of approximately 4,000 residents, expected to grow to over 12,000 in the next decade. The city sits mainly on a high ground ridge between Dry Creek and the Bear River, but many on the edges of town are susceptible to 100- and 200-year flooding and rely on the levee systems for protection. The levees are maintained by Reclamation Districts 2103 and 817. Wheatland sustained significant damage due to flooding along the Bear River in 1904. A levee break at the eastern end of the Dry Creek levee caused minor flooding in the December–January flood of 1997. Wheatland is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection.

City of Yuba City – Yuba City has suffered historically significant flooding, notably in 1955, 1986 and 1997. Yuba City is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection. Yuba City currently collects a development impact fee to capital improvements in the Yuba City Basin.

City of Biggs – Biggs has suffered historically significant flooding along the Feather River. Biggs is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to small communities and land use decisions.

City of Gridley – Gridley has suffered historically significant flooding, including in 1955. Gridley is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to small communities and land use decisions.

City of Live Oak – The City of Live Oak is an urbanizing area with a current population of over 8,000 residents, expected to grow to a population of as many as 45,000 – 53,000 by 2030 (*City of Live Oak 2030 General Plan*). Live Oak has suffered historically significant flooding, including in 1955, 1986, and 1997. Live Oak is a member agency of SBFCA, and is a land use agency subject to the requirements of SB 5, as they relate to land use decisions and 200-year flood protection.

Joint Powers Authorities

Three Rivers Levee Improvement Authority (TRLIA)

TRLIA, a joint powers agency, was established in May 2004 by the County of Yuba and Reclamation District 784 to finance and construct levee improvements in south Yuba County. TRLIA's mission is to provide 200-year flood protection. Four work phases were identified to achieve that goal along the Yuba, Feather, and Bear Rivers and the Western Pacific Interceptor Canal (WPIC). TRLIA has completed work along the Feather, Bear, and Yuba Rivers. TRLIA is currently working on remediation of the WPIC and a 200-year solution to the flood risk through the Goldfields of Yuba County. In cooperation with the mining companies in the Goldfields, TRLIA built interim 100-yr flood protection embankments, for which TRLIA provides O&M. TRLIA owns multiple cultural and ecological mitigation sites (over 800 acres) and is building a 500-acre state Ecological Conservation Bank in the Feather and Bear Rivers flood corridors, which require long term TRLIA management and maintenance commitments. TRLIA collects an assessment for the levees it has improved, which was passed in 2010, and transmits a portion of the assessment revenue to RD 784 for operation and maintenance. TRLIA helps administer a Development Impact Fee program on behalf of Yuba County that collects revenue to help finance its levee improvement program. In addition, TRLIA created, administers and collects revenues from two Community Facility Districts (CFD's) and is also the recipient of state Proposition 1E funding through EIP, FESSRO, and upcoming UFFR programs. TRLIA receives local funding from development agreements and the Yuba Levee Finance Authority.

Sutter Butte Flood Control Agency (SBFCA)

SBFCA was formed as a joint powers authority in 2007 through a joint exercise of powers agreement by the Counties of Sutter and Butte; the Cities of Yuba City, Gridley, Live Oak, and Biggs; and Levee Districts 1 and 9. Since 2013, SBFCA has been constructing the Feather River West Levee Project, which is aimed at achieving 200-year protection for urban areas on the west side of the Feather River, from Yuba City north, and 100-year protection south of Yuba City. SBFCA collects an assessment from residents to pay for levee rehabilitation work, and is a recipient of State funding through various DWR programs including EIP, UFRR, FSRP, YFFPP, and Emergency Response for the Feather River West Levee Project. SBFCA currently has no role in O&M of the levees in the basin, nor is any of the funding or assessments collected by SBFCA eligible for O&M of the facilities.

Other Regional Entities

Yuba County Water Agency (YCWA)

YCWA was created in 1959 to address two critical County issues of improving both flood protection and water supply. Accomplishing this mission was started by building the Yuba River Development Project, which includes New Bullards Bar Dam and Reservoir, along with the Colgate and Narrows 2 powerhouses. Flood protection benefits were derived from the dedicated flood storage space in New Bullards Bar Reservoir.

During the last two plus decades, YCWA has invested significant effort and funding to improve flood protection in Yuba County. This work has included:

- Partnering with the State and the USACE, and funding the entire local share of costs, to develop the Yuba Basin Project that established the foundation for improving the RD 784 and Marysville levee systems.
- Providing policy and financial support to the Marysville Levee Commission, for the construction of the USACE led program to improve the Marysville Ring Levee, to meet the State's Urban Level of Protection (ULOP) requirements (200 year).
- Participation in the negotiations that led to the Yuba Feather Flood Protection Program (YFFPP) under Proposition 13. This State Bond program led to significant early investment in Yuba County's levee systems.
- Investment in the rural levee districts to support levee repairs, improve O&M, and fund studies to identify actions that can be taken to reduce flood risk in Yuba County.
- Providing grant and loan funding, for both urban and rural levee districts, to improve flood protection and leverage additional state Proposition 1E bond funds.

YCWA's most significant investment in flood protection, was partnering with Yuba County on a \$78 million bond sale to support TRLIA's efforts to meet the State's ULOP requirements for the communities of Linda, Olivehurst, and Plumas Lake. The roughly, \$450 million of Yuba County levee improvements, would likely not have been completed without YCWA.

DWR Sutter Yard

The Sutter Maintenance Yard (Sutter Yard) is responsible for the State-maintained portion of the Sacramento River Flood Control Project, from Knights Landing on the Sacramento River, northward, to Red Bluff. The Sutter Yard ensures that the channels, levees, and structures of flood control projects in this region are maintained in accordance with federal regulations and the state water code. The Sutter Yard maintains facilities identified in California Water Code Section 8361, including the Wadsworth Canal and the Sutter Bypass levees, as well as the channels of the Sacramento River Flood Control Project through the state's General Fund appropriations. In addition, when a LMA is unable to operate or maintain project levees permitted by the Board to acceptable standards, DWR or the CVFPB is authorized to form an MA and take responsibility for the levee when in the best interest of the State through California Water Code Section 12878. The Sutter Yard also maintains various levee segments in the region where they have had to form MAs. MAs are funded by passing direct costs through to beneficiaries on the County property tax roll.

According to CWC Section 8361, DWR is responsible for the following in the Feather Region:

- Operation and maintenance of levees along the east levee of the Sutter Bypass north of Nelson Slough
- the levees and channels of the Wadsworth Canal
- the collecting canals, sumps, pumps, and structures of the drainage system of Project No. 6 east of the Sutter Bypass

- the bypass channels of the Sutter Bypass
- the channels and overflow channels of the Sacramento River and its tributaries and the major and minor tributaries' flood control projects as authorized and defined in Sections 12648, 12648.1, and 12656.5
- the levee on the right (west) bank of Feather River extending a distance of about two miles southerly from the Sutter-Butte Canal headgate the flowage area of Western Pacific Intercepting Canal extending northerly for a distance of five miles from the Bear River.

In addition to those previously mentioned, the following Maintenance Areas have been formed in the region:

MA 3

Maintenance Area 3 is responsible for maintenance of levees along the right (west) bank levee along the Feather River from the Bear River to Sutter Bypass.

MA7

MA 7 is responsible for the maintenance of levees along the right (west) bank of the Feather River from the Sutter County line to the Thermalito Afterbay.

MA 13

MA 13 is responsible for the entire 42 miles of levees along both banks of the Cherokee Canal in Butte County.

MA 16

Maintenance Area 16 is responsible for the maintenance of levees along the right (west) bank of the Feather River, from the Sunset Pump Station to the Butte County line.

Funding for the aforementioned activities comes from state's General Fund, as annually appropriated by the legislature.

Local Maintaining Agencies

LD 1

Levee District 1 maintains the Feather River right (west) bank levee from Yuba City to the Sutter Bypass. LD 1 has a three-member board of trustees. LD 1 operates and maintains approximately 16.65 miles of the levee along the right (west) bank of the Feather River, from RM 13.2 to RM 30.2, north of Yuba City. Furthermore, LD 1's district boundaries encompass approximately 70.3 square miles west of the Feather River, and includes significant portions of Yuba City (see Figure 2-4). LD 1 is a member agency of SBFCA. Selected sections of the levee in LD 1's jurisdiction have been improved by SBFCA, LD 1 and the USACE,

to improve the level of flood protection for Yuba City and the lands in Sutter County (between Yuba City and the Sutter Bypass). LD 1 recently completed a setback levee at Star Bend, and SBFCA is in the final year of construction of the Feather River West Levee Project, which will provide 200-year protection to virtually all of Yuba City.

LD 9

Levee District 9 (LD 9) maintains 6.24 miles of the Feather River right (west) bank levee, between MA 16 to the north and LD1 to the south. LD 9 is a member agency of SBFCA. LD 9 does not have an assessment district and currently operates on annual ad valorem property taxes collected and distributed by Sutter County.

RD 784

Reclamation District No. 784 (RD 784) maintains the left (east) bank levee of the Yuba River, the Feather River between the Yuba River and the Bear River, the right (north) bank levee of Dry Creek, both the left (east) and right (west) bank levees of the Western Pacific Interceptor Canal, and the right (north) bank levee of the Bear River from the Dry Creek confluence to its connection with the Feather River levee. In addition, RD 784 is also responsible for maintenance of over 60 miles of internal drainage canals and ten pump stations. RD 784 is a member agency, along with Yuba County, of the Three Rivers Levee Improvement Authority, and receives funding for operation and maintenance of levees through a combination of RD 784 and TRLIA-created assessment districts. Internal drainage responsibilities are covered through a portion of revenue collected in the RD 784 assessment district and a Yuba County administered Community Services Authority program.

The Upper Yuba River levee and RD 784's rural levees provide flood risk reduction benefit to properties outside of the reclamation district's jurisdictional boundary. However, because Proposition 218 requires that the assessments levied be proportional to the benefits conferred by the services provided, the assessments proportional to the amount of benefits received by property outside of the RD 784's jurisdictional boundary are not allowed to be collected by the District. This loss of revenue cannot be made up for by charging higher assessments on the benefiting property within the RD 784's jurisdictional boundary. Similar situations exist in basins with assessments subject to Proposition 218.

RD 817

Reclamation District 817 (RD 817) encompasses approximately 2,600 acres of (primarily agricultural) land directly west of the City of Wheatland. RD 817 consists of two levee reaches totaling 7.7 miles, including 3.8 miles on the left (south) bank of Dry Creek (Unit 1) and 3.9 miles on the right (north) bank of the Bear River (Unit 2). RD 817 also maintains a short 1.1 mile stretch of the right (north) bank of the Dry Creek levee in what is referred to as the Horseshoe Levee that protects the area between Best Slough and Dry Creek. The majority of the Horseshoe levee is maintained by RD 784.

RD 817 is adjacent to, and west of, Reclamation District 2103 (RD 2103), which provides protection to the City of Wheatland. Levee failures occurring in RD 2103 will allow flows to proceed west and will

eventually pond on, and flood, the lands in RD 817. Thus, RD 817 is subject to flooding from levees that are not in within its district. Failure of RD 817 levees will not pond flood waters high enough to flood Wheatland. RD 817 does not have an assessment district and currently operates on approximately \$17,000 of annual ad valorem property taxes collected and distributed by Yuba County.

RD 1001

Reclamation District 1001 (RD 1001) maintains 46 miles of levee that protect the small communities of Rio Oso, Nicolaus, East Nicolaus, and Verona. The district protects a total population of 1,540 on 43,395 acres of (largely rural) agricultural lands. In 2013, the district initiated a Proposition 218 engineering study to evaluate the feasibility of establishing a new assessment to provide the local cost-share for future capital improvements. On April 30, 2014, RD 1001 successfully passed, with an 82% weighted approval, a measure to raise an additional \$309,000 for improved maintenance and finance \$5.4 million of critical repairs, as identified by DWR in the *Flood System Repair Program*. The passing of this measure brought the total assessment revenue to \$930,000 per year. RD 1001 is also responsible for maintenance of over 100 miles of internal drainage canals, the main drain pumping plant on the Natomas Cross Canal, and three smaller drainage pumping facilities on Yankee Slough. Internal drainage costs are covered in the assessment district.

RD 2103

RD 2103 was formed by order of the Yuba County Board of Supervisors on April 20, 1964, to maintain portions of the Bear River and Dry Creek project levees. These levees provide flood protection from winter storm runoff for the City of Wheatland and surrounding agricultural land. RD 2103 includes all land bounded on the south by the landside toe of the Bear River right (north) bank levee, on the north by the landside toe of the Dry Creek left (south) bank levee, on the west by RD 817, and on the east by high ground. RD 2103 is located primarily in Yuba County, but also encompasses small acreages in Sutter and Placer Counties as shown in Table 2.

Table 2. RD 2103 Operational Area

County	Acreage
Yuba County	4,290
Placer County	141
Sutter County	124

RD 2103 is managed by a three-member Board of Trustees with no staff. All efforts are provided by consultants or contractors. The District provides a range of levee construction, repair, maintenance, and flood control activities. As it pertains to levee maintenance, RD 2103 operates and maintains 10.8 miles of levees including 5 miles along the Bear River, 4.8 miles along Dry Creek and the San Joaquin Drain, and 1 mile along Grasshopper Slough. RD 2103 relies on funding from two separate assessment districts. The first is the regular Levee Operation and Maintenance Assessment District, which was formed in April 1996 to fund the operation and maintenance of the all levees within RD 2103. This assessment currently generates approximately \$33,000 per year. The second district was formed in 2010 through a Proposition 218 Benefit Assessment District ballot to fund additional activities on the Bear River north

levee, to meet the requirements of the state funded Bear River North Levee Rehabilitation Project. This district generates an additional \$64,000 per year for OMRR&R activities on the Bear River levee. The RD 2103 Bear River project provides flood risk reduction benefit to properties downstream of the reclamation district's jurisdictional boundary, into RD 817. However, because Proposition 218 requires that the assessments levied be proportional to the benefits conferred by the services provided, the assessments proportional to the amount of benefits received by property outside of the RD 2103's jurisdictional boundary are not allowed to be collected by RD 2103. This loss of revenue cannot be made up for by charging higher assessments on the benefiting property within the RD 2103 jurisdictional boundary. This results in less collectable assessment revenue, in relation to the needs identified. Similar situations exist in all hydraulically connected basins for assessment districts subject to Proposition 218.

Marysville Levee District

The Marysville Levee District (Levee District) was established by the State Legislature in 1876 for the purpose of construction and repair of levees in the City of Marysville. The Levee District encompasses the lines of the 7.5 mile ring levee system surrounding the City. The Levee District is governed by a three-member Board of Levee Commissioners, known as the Marysville Levee Commission. The Marysville Levee Commission is separate and independent from the City of Marysville. The Levee District is currently a co-non-federal sponsor of the USACE Marysville Ring Levee Project. This project, as authorized by Congress, will provide greater than 200-year protection to Marysville. The Levee District currently collects \$380,000 per year in assessments, of which \$150,000 is dedicated to financing the co-non-federal share of the Ring Levee Project.

Operation, Maintenance, Repair, Rehabilitation, and Replacement (OMRR&R) Cost Analysis

As part of state flood planning efforts, it has long been recognized that flood control facilities O&M has evolved significantly since the 1950's when the flood control system was formally turned over to State and local interests, resulting in increasing costs for levee O&M. As described below, the CVFPP's *Draft Technical Memorandum* identified several factors that influence O&M costs. In addition to these factors, Proposition 218 requires that agencies perform engineering analysis to determine benefit apportionment; legal analysis to protect against challenge; and an election of the benefited property owners, prior to increasing assessments. This process can be costly and time consuming, further impacting the ability for districts to collect adequate revenue to support OMRR&R needs.

As a result of, and through the State CVFPP planning process, DWR and the Feather River region have taken steps to better identify the magnitude of these cost increases to inform planning efforts. The following sections summarize these cost evaluation efforts.

CVFPP Draft Technical Memorandum on OMRR&R Cost Evaluation

In May 2016, DWR released a technical memorandum: *Flood System Long-Term Operations, Maintenance, Repair, Rehabilitation and Replacement (OMRR&R) Cost Evaluation* (OMRR&R Technical Memorandum). The OMRR&R Technical Memorandum identifies numerous changing standards and

obligations for state and local Maintaining Agencies. Of the many items that impact LMA costs, some include:

- changing design standards
- changing regulations including the Endangered Species Act
- increased development behind levees
- adding Repair, Rehabilitation, and Replacement (RR&R) to the assurances provided to the federal government
- changing obligations
- lack of understanding or agreement on the roles and responsibilities of state and local stakeholders in the OMRR&R of the Flood Control System
- challenges in using original design profiles to determine maintenance obligations
- the age of the system, which has resulted in the need to significantly rehabilitate or replace features that have exceeded their useful life, such as pipes and pumping facilities.

Additionally, new requirements in the *Urban Levee Design Criteria* (May 2012) add additional maintenance and reporting requirements for Urban Area OMRR&R. Finally, the OMRR&R Technical Memorandum identifies the need for LMAs to establish long-term reserve funds to cover the costs of RR&R for capital replacements (pipes, pumps, structures, equipment and tools) and emergencies (flood fight, erosion, or larger repair projects).

The OMRR&R Technical Memorandum estimates the full cost of long-term OMRR&R of current and proposed urban and rural flood control facilities. The document recognizes that long-term OMRR&R is essential to support the integrity of the State Plan of Flood Control facilities. As a result of the above identified factors, current funding and spending on OMRR&R is far short of the estimated amount needed to conduct proper OMRR&R. Specifically, the OMRR&R Technical Memorandum concludes that current OMRR&R spending in the Central Valley is approximately \$30 million, while the total estimated costs are approximately \$131 million. The document memorably concludes that, “OMRR&R is substantially under staffed and underfunded throughout the Central Valley” (OMRR&R Technical Memorandum, 5-24).

MHM Engineering Analysis

In early 2016, MHM Engineering was tasked with developing costs for what LMAs should realistically be spending, given the current regulatory framework and according to current OMRR&R standards as set forth by DWR and USACE. The following provides a summary of the analysis and findings. The *MHM Technical Memorandum* is also included as **Appendix A**.

MHM used their experience as District Engineer for several LMAs to develop budgets for each LMA. The budget for RD 784 was used as the starting point. Recent detailed budgets developed for RD 784 in Yuba

County, and RD 900 in Yolo County, were then used to develop typical budgets for other Districts within the Feather River region. The infrastructure and amount of levee miles in each district are critical to the budget cost. The items of work that resulted in additional levee OMRR&R over typical levees include relief wells, piezometers, inclinometers, pump stations, pipe crossings, concrete lined ditches for relief well water collection, and flood control structures (i.e. stop logs at railroads). It should be noted that the study did not consider additional cultural costs, which are quickly becoming a factor, and increase the OMRR&R cost of levees.

In addition to developing budgets for individual LMAs in the Feather River region, MHM also analyzed several potential consolidation scenarios. These included districts within the same hydraulic basin and urban vs. rural levee types. These scenarios are included in Table 3 below:

Table 3. Feather River Region Potential LMA Consolidation Scenarios

MA 3 and LD 1	MA 3, LD 1, and LD 9
MA 3, LD 1, LD 9, and MA 16	MA 3, LD 1, LD 9, MA 16, MA 7, and Hamilton Bend
RD 817 and RD 2103	RD 817, RD 2103, and RD 784's Horseshoe Area

The MHM analysis found that the typical range of OMRR&R annual budgets should be between \$45,000 and \$85,000 per mile, whereas existing budgets range between \$700 and \$42,000 per levee mile. The larger the district by levee miles, the lower the cost per levee mile. The study also found that urban levee districts tend to have higher cost per levee mile than rural LMA's. This is likely a direct result of the urban LMA's having levee improvement projects with infrastructure requiring additional OMRR&R, including features such as relief wells, concrete lined ditches, piezometers, inclinometers, pipe crossings, pump stations, and flood control structures (i.e. stop logs).

Additionally, analysis clearly indicates that the more levee miles within a single district, the more the overhead able to be allocated throughout the system. Regardless of the size of the district, overhead expenses tend to be the same with regard to accounting, audit reporting, liability insurance, etc. Based on the analysis, the following minimum consolidation should occur based on cost per levee mile:

- MA 3, LD 1, and LD 9 – These three districts lower the cost per levee mile to about \$66,000. We considered included MA 16 so all of the Sutter County LMA's are within one District. This resulted in a minor reduction in the costs per mile. It should be noted that a small part of MA 16 is located in Butte County. The recommendation is to create a Sutter County LMA consisting of MA 3, LD 1, LD 9, and MA 16, and a Butte County LMA consisting of MA 7 and Hamilton Bend. The secondary recommendation would be to combine all West Feather River Levees into one LMA consisting of MA 3, LD 1, LD 9, MA 16, MA 7, and Hamilton Bend.
- RD 817 and RD 2103 – These two LMA's are within the same hydraulic basin and protect the City of Wheatland and farmland. The result is cost savings, but not to the same magnitude as on the west Feather River. Currently, both districts lack administrative staff. The districts currently work together, thus easing the ability for them to become one District. This recommendation is consistent with the most recent *Yuba County LAFCO Municipal Service Review*.

- RD 817, RD 2103, and Horseshoe Area – These three LMA’s are within the same general area, and are all rural in nature. RD 817 protects most of the area within the Horseshoe Area making consolidation a logical consideration. The cost per levee mile would decrease, so from a cost savings per levee mile standpoint, this would be a reasonable consolidation.

The consolidation portion of the MHM analysis did not consider the LMA boundary area and the theoretical cost per acres, unit, or square foot. A more detailed analysis would need to be performed to determine the ability to pass a Prop 218 Benefit Assessment for OMRR&R.

Potential Consequences of Inadequate OMRR&R Funding

Without adequate funding to perform OMRR&R to meet current obligations districts typically defer activities and manage items that fit within their budgets. This practice leads to a maintenance backlog that increases flood risk. An example that demonstrates this increased risk is burrowing rodent control. Flood control LMAs will typically use bait or traps to prevent rodent damage to levees and repair the few burrows that may occur on an annual basis. If this routine practice is deferred, rodents continue to burrow into levees, increase in population, and can further damage the flood control feature, until more costly and larger scale repairs or rehabilitation are required. This can also be the case with regard to vegetation removal (removing trees or shrubs before large root structures become established), erosion, levee cracking, and pipe repairs.

In addition to increased costs, and risks associated with deferring maintenance, other consequences of inadequate maintenance include loss of eligibility for federal rehabilitation assistance after a flood (through PL 84-99), potential liability if inadequate O&M are determined to have resulted in flood damages, and the potential that the government (state or local) may refuse grant funding for basins that will not or cannot perform adequate OMRR&R.

Governance Alternatives for Consideration

As a result of the variety of issues and needs of LMAs within the Feather River region, new consolidated or cooperative governance structures should prove beneficial. Several opportunities that could be considered for governance improvements in the region have been identified. These alternatives closely mirror alternatives, as identified in a similar study, performed in Yolo County (*Yolo County Flood Governance Study*, UC Davis Collaboration Center 2014). These alternatives are described below:

1. **Hydraulic Basin Approach** - Consolidation of LMAs to form one maintenance entity for each hydraulic basin. This will include a finance plan and preliminary evaluation of beneficiaries to ensure consistent funding methods. As a practical matter, MAs cannot be consolidated with reclamation districts, as MAs are governed separately by DWR or the CVFPB. As such, Local Agency Formation Commissions (“LAFCo”) do not have jurisdiction over MAs. If a local agency desired to assume the obligations of an MA, it would likely have to seek the dissolution of the MA, in conjunction with an assumption of the MA’s obligations. By contrast, reclamation districts can be consolidated into one district through a process administered by LAFCo. The

main advantages of the hydraulic basin approach are that districts are able to operate more efficiently by combining overhead, equipment, and material storage costs to reduce overall costs, and that jurisdictional boundaries would include all direct beneficiaries to avoid not being able to collect from benefiting properties outside a jurisdictional boundary. Possible disadvantages include the fact that the downstream properties in the consolidated District would carry more benefit and assessments would likely increase; the assumption of all consolidated district's debt and obligations; and potential inequities involved with a district lacking in reserves and which is poorly financed, consolidating with a better funded district. Districts considering consolidation will need to take into account issues related to debts and liabilities, governance, existing employees, and existing assessments prior to consolidating. **Appendix B** includes a white paper laying out the process for consolidation.

2. **Expanded Joint Powers or Countywide Authorities** - Regional cooperation agreements or oversight entities with full time management, legal, administrative, engineering, and advocacy staff, to represent the LMAs from a Countywide or regional perspective. This would be an oversight/regional entity to administer long-term obligations, regional projects, funding, and potentially assist LMAs where requested, not to replace LMAs or the activities they perform. This could be accomplished within the current JPAs, with minor modifications to those JPAs, or could be a newly formed agency. The advantages are more efficient oversight and administration by combining multiple district activities such as accounting, legal, engineering, lobbying, and administrative services into one district while continuing day to day O&M activities under the existing local agencies, but keeping the consolidation limited to County lines to avoid political difficulties. Disadvantages may be developing a sustainable funding source for a larger regional agency, and the potential that the local agency may lose some control of its operations to the larger agency.
3. **Regional Collaboration Approach** - Expansion of existing regional cooperation agreements, like the *Yuba-Sutter Flood Fight Coalition*, to cover more than just flood fight activities. This would also include development of a regional flood emergency plan that details advance evacuation of critical facilities, evacuation triggers with routes that will not be cut off during the flood, coordinated flood fight activities, and emergency operation drills, among others. It could also include continuation of the Feather River Regional Flood Management Plan team to continue acting as a liaison between the regions flood management entities, State and County Emergency Operations Services, and DWR and act as a planning group for Regional flood management actions. The main advantage of this approach is that it is not a stand-alone option and can be combined with other alternatives. The main disadvantage is that it requires cooperation between multiple agencies, including LMAs, JPAs, cities and counties, and the geographic scale may be problematic.
4. **Feather River Regional Entity** - One larger entity consisting of Counties, Cities, and LMAs across the entire Feather River Region that could cover current JPA obligations and provide management, legal, administrative, engineering, and advocacy staff to represent the LMAs from

a regional perspective. The advantages of this type of large regional entity could have more negotiating power and leverage for regulatory change, bonding capacity, funding opportunities, etc. Disadvantages are similar to above approaches and include the large geographic scale, establishment of sustainable funding and perceived loss of local control. One option that could be considered for a larger regional or state-wide entity is a Geologic Hazard Assessment District (GHAD). These districts are currently allowed in state law and can collect assessments that can be used for several items, including insurance, capital improvements, and O&M.

5. **Business as Usual** – This alternative preserves the status quo, with few, if any, collaborative ventures or consolidations, and no over-arching communication or networking structures. All agencies, districts and entities would remain as they are today, but could expand the use of shared service agreements for staffing, consultants, equipment, contracts, emergency response and related economies of scale. The most logical shared services are for districts and entities that share responsibility for protecting a hydraulically linked basin. The advantage of this option is the continued local control, but this approach would also continue inefficiencies and underfunding.

Evaluation of Alternatives

In order to evaluate the five alternatives, the following criteria were identified.

- **OMRR&R** – Each alternative will be evaluated to determine whether it improves OMRR&R capability, especially as practices are expected to change to address new regulations and modern standards. Factors to consider are benefits associated with consolidated management, more efficient decision making, economies of scale, efficient resource management, etc.
- **Local Control** - Each alternative will be evaluated to determine how it impacts the ability of the local beneficiaries to control the governance of the entity and influence decisions by the leadership, including funding options.
- **Decreased Costs** - Each alternative will be evaluated to determine whether it has the potential to decrease costs. This criteria will evaluate to future expected costs of full compliance with new regulations and modern standards, not to current costs since most agencies are not meeting required standards as indicated by the failing results of recent USACE inspections.
- **Expertise and/or Resources** - Each alternative will be evaluated to determine whether it has the potential to bring more expertise or resources as compared to the current organization's structure(s).
- **Opportunity for Revenue** - Each alternative will be evaluated to determine whether it has the potential to increase opportunities for additional local funding, State grants, or Federal funding resources.
- **Regulatory Hurdles** - Each alternative will be evaluated to determine whether it would help to reduce the ever increasing regulatory hurdles. Examples may include whether the alternative may streamline environmental permits, leverage existing programs, or better manage the

evolving regulatory processes such as encroachment permitting and enforcement of existing permits, Federal Section 408, Section 404, Endangered Species Act compliance, State reporting, routine Maintenance Agreements, advanced mitigation, etc.

- Political Feasibility - Each alternative will be evaluated to determine whether it may be supported locally or whether it introduces complex political issues such as multiple Counties with overlapping jurisdiction, additional layers of bureaucracy, or other political issues associated with the proposed governance structure.
- Decreased Liability - Each alternative will be evaluated to determine whether it has the potential to decrease the overall liability as compared to the current structure. The most relevant source of liability deals with levee failure and flooding, but factors such as the ability to defend, the ability to reduce and respond to flood risk, issues associated with regulatory compliance, etc. were also considered in the analysis.

The evaluation also considered whether the alternative would eliminate existing State Maintenance Areas (MAS) and, where necessary, distinguished differences for areas east or west of the Feather River. The Feather River RFMP Governance team met on January 11, 2017, and again on January 24, 2017, to discuss the alternatives and evaluate each to the above identified criteria. Table 4 shows the results of that evaluation.

Table 4. Evaluation Results

Alternative	OMRR&R	Local Control	Decreased Costs	Expertise/ Resources	Opportunity for Revenue	Regulatory Hurdles	Politically Feasible	Decreased Liability	Take over MA's	
Hydraulic Basin	Potential Positive Impact	Potential small positive impact (less state control)	Yes - Potential small positive impact to efficiency	Potential negative impact	Potential small positive impact to local and state grants	Potential small positive impact	Potential negative impact	Potential negative impact	Yes	West Side
		Potential negative impact		No change			Complex political landscape	No change		East Side
Expanded JPA/ Countywide	Potential big positive impact	Potential small positive impact	Yes	Potential small positive impact	Potential small positive impact to local and state grants	Potential big positive impact	Potential negative impact	Potential negative impact	Yes	West Side
		Potential negative impact		Potential small positive impact				Potential small positive impact		Potential small positive impact
Regional Collaboration	Potential small positive impact	No change	Yes - Potential for decreased costs	Potential small positive impact	No change	Potential small positive impact	Potential small positive impact	No change	No	West Side
										East Side
Feather River Regional Entity	Potential small positive impact	Potential small positive impact (MA's go away)	Yes - Potential for greater savings	Potential small positive impact	Potential small positive impact to local revenue, state grants and federal resources	Potential large positive impact	Potential negative impact	Potential negative impact	Yes	West Side
		Potential negative impact						Potential small positive impact		East Side
Business as Usual	Potential negative impact	No change	No change	No change	Potential negative impact	Potential negative impact	No change	No change	No	West Side
	Varies by LMA				No change					East Side

Results

The following provide a brief description of how the team arrived at the results shown in Table 4.

For OMRR&R, the team felt there could be positive impacts resulting from combination of resources and economies of scale that would provide for more efficiencies and free up additional resources to perform more work. This would be true for the hydraulic basin approach, expanded JPAs, and a large Regional entity and there could also be some increased efficiencies and sharing of resources through simple collaboration agreements. For the business as usual approach, the team concluded that on the west side there could potentially be some negative impacts from the loss of State MA resources combined with increasing regulatory burdens and changing standards. On the east side it was concluded that most areas would likely see negative impacts to OMRR&R due to increasing regulatory burdens and changing standards, but some (RD784 and Marysville) have performed well thus far and could continue to meet obligations.

In terms of local control, the team felt there would be some positive impacts on the west side of the River resulting from less State MAs returning control back to the locals whereas the east side would have some negative impacts resulting from larger entities. The larger the entity, the greater the impact. There would be no change with regional collaboration or business as usual alternatives since the existing governing bodies would remain unchanged.

Costs would be reduced for all options resulting from more efficiencies, although there was significant discussion as to how State MAs would be impacted. It appears that most overhead and equipment costs are already spread over multiple State MAs and facilities, yet the State has indicated that there may be issues with some cost apportionment and MA costs will likely be going up. Furthermore, consolidated LMAs could have more efficiencies than a State run entity so costs would still likely improve in the hydraulic basin approach. Therefore, the team agreed that there could be cost savings even with losing cost spread efficiencies in the State maintained areas.

It was determined that the loss of the State MAs would negatively impact the amount of expertise and resources that may be immediately available, but there would be little or no change in the east side hydraulic basins. For all other larger entity type alternatives, consolidated services should bring more expertise and resources.

The team agreed that opportunities for revenue would increase with the size of the entity. This would occur because the larger entities would have more resources to seek the revenue, would have additional leverage to justify costs, would have more area to spread costs (increasing the ability to raise local share), and the much larger entities would have better ability to advocate for additional funding.

All options except business as usual would have positive effects on dealing with the increasing regulatory hurdles. Again the larger the entity the more leverage and resources to deal with these

issues. Business as usual would be negatively impacted as a result of additional regulations being constantly added to an already heavily regulated field.

In terms of political feasibility, the west side has had constituents who have been vocal against LMA consolidation and the team agreed there could be some negative impacts there for most approaches. The east side was split with one basin that appears would have little political opposition (Wheatland area) and another basin who is already experiencing difficult political angst when discussions of changing the maintenance responsibility have been raised (Horseshoe area). It was also agreed that the larger the entity, the more complicated the political makeup would become and the more political feasibility may be jeopardized. For the Regional collaboration and business as usual approaches there would be only minor potential political issues in collaboration and no change to business as usual.

In terms of liability, the team agreed that losing MAs could transfer liability back to the locals in those areas, but for areas with no MAs the responsibilities are already local so additional resources and efficiencies would result in better overall systems and less overall liability. It was also agreed that the larger entities would have greater ability to reduce liability through better practices, more resources including legal staff, and greater ability to respond to issues.

Recommendations

The following are a list of recommendations for potential governance improvements in the Feather River Region.

1. Regional Collaboration should be continued and opportunities for additional collaboration should be sought. This could be handled through strengthening and sustaining existing efforts such as the Yuba-Sutter Flood Fight Coalition or Feather River Regional Flood Management Planning Team or by developing new regional agreements between existing MAs, JPAs, Cities, and Counties. Efforts could include regional flood evacuation and response planning and drills, additional regional stockpiles of equipment and materials for O&M activities, improvement to evacuation routes that may become cut off during flood emergencies, regional permitting and advance mitigation areas cost shared by all users, etc.
2. Consideration should be given to consolidating hydraulic basins of local agencies or RD's. This option appears to make sense for the Wheatland and Horseshoe areas as well as at least portions of the west side basin. On the west side, although one large LMA could make sense, smaller steps could also be considered to avoid political issues when crossing County lines or absorbing MAs. Combining LDs 1 and 9 could be a logical first step.
3. Larger Regional entities could be a logical next step. Options could include one entity for Yuba County, one for Sutter County and/or the entire west side of the River, or one large entity that covers the entire region. These options would have to consider how best to include RD 1001 and MA 13 since these basins are not currently connected to either existing JPA and may introduce additional political angst since they may lose the local control that currently exists. Larger entities could establish a governing body with representatives from each district, or could be set up through cost share agreements where staff is hired and paid through equitable

contributions from each participating agency. The intent of a large entity would be to manage large overhead items such as Executive officer, legal counsel, engineering, grant writing and administration, and lobbying services.

For any of the above options that include consolidation or enlargement of existing entities, consolidation can only occur with the consent of all parties involved. These recommendations in no way constitute actions that must be taken, they only provide recommendations for further analysis and consideration.

Appendix A

MHM Technical Memorandum – May 13, 2016

To: Mike Inamine, PE

From: Sean Minard, PE, PLS

CC: Michael Bessette, PE
Tom Engler

Date: May 13, 2016

Subject: Feather River Regional Flood Management Plan
Feather River Levee LMA Budget
Operation, Maintenance, Repair, Rehabilitation, and Replacement (OMRR&R)

1.0 PURPOSE

The purpose of the memorandum is to summarize the findings of typical budgets for local levee maintenance agencies (LMA) within the Feather River region. The typical budgets considered operation, maintenance, repair, rehabilitation, and replacement (OMRR&R). The LMA Districts historically only provided operation and maintenance (O&M) with no provision for repair, rehabilitation, and replacement (RR&R). As funding sources require LMA's to enter into an OMRR&R agreements, the District budgets will need to change with the obligation.

2.0 BACKGROUND

MHM used our experience as District Engineer for Levee District No. 1, Levee District No. 9, Marysville Levee District, Reclamation District No. 784, and Reclamation District No. 900 to develop the budgets. The budget for Reclamation District No. 784 was used as the starting point. At the start, Reclamation District No. 784 had the most detailed budget. MHM then prepared a detailed OMRR&R budget for Reclamation District No. 900 for their upcoming Prop 218 Levee and Drainage Assessment Process which further refined the types of costs and amount of the costs. These were then used to develop typical budgets for other Districts within the Feather River region. The infrastructure and amount of levee miles in each District are critical to the budget cost. MHM researched the infrastructure in each District using USACE Supplemental Operation and Maintenance Manuals, DWR levee logs, and SBFCA levee encroachment log. The items of work that resulted in additional levee OMRR&R over typical levees include relief wells, piezometers, inclinometers, pump stations, pipe crossings, concrete lined ditches for relief well water collection, and flood control structures (i.e. stop logs at railroads). Our study did not consider additional cultural costs which are quickly becoming factor in the OMRR&R of levees.

Some of the key assumptions are as follows:

- Top of Levee Patrol O&M – The scope of work was to place 2 inches of compacted Class 2 aggregate base course every 10 years.
- Landside or Waterside Toe of Levee Patrol O&M – The scope of work was to place 2 inches of compacted Class 2 aggregate base course every 15 years.
- Piezometers – The theoretical life of piezometers was considered to be 50 years
- Inclinometers – The theoretical life of inclinometers was considered to be 50 years
- Pump Stations were not considered levee infrastructure unless directly related to a flood control feature such as a relief well pump station. In that case, the pipe crossing would also be included as a flood control feature.
- Gravity pipelines replacement – The theoretical life of a pipe was considered to be 50 years. MHM assumed all pipes currently meet Title 23, ULDC, and USACE standards and did not include any cost to address deferred improvements or upgrades to current standards. The present value was based on bids received on the SBFCA project for similar size pipes and gate riser structures with 25% added to address engineering, environmental, surveying, etc.
- Pressure pipelines replacement – The theoretical life of a pipe was considered to be 50 years. MHM assumed all pipes currently meet Title 23, ULDC, and USACE standards and did not include any cost to address deferred improvements or upgrades to current standards. The present value was based on bids received on the SBFCA project for similar size pipes and gate riser structures with 25% added to address engineering, environmental, surveying, etc.
- Operation and Maintenance in accordance with Supplemental O&M Manual.
- Video Inspection and/or Pressure Testing - \$3,500/pipe every 5 years.
- Relief Wells – The theoretical life of relief wells was considered to be 50 years but with a failure rate of fifteen (15) percent over the life.
- Relief Well Field – Pump Tests - \$1,800/well every 5 years.
- Relief Well Field – Swabbing and Cleaning - \$1,400/well every 5 years.
- Chemical – Herbicide, Sterilant, and Preemergent - \$200/ac
- Rodent and Squirrel Control - \$100/ac
- Annual Urban Levee Contract Maintenance (i.e. sheep, burning, goats) - \$300/acre
- Annual Urban Rural Contract Maintenance (i.e. sheep, burning, goats) - \$100/acre
- Emergency Flood Fight Fund - \$8,000/mile every 10 years
- Prop 218 Assessment Process - \$300,000 every 25 years.
- Long Term Urban Repair, Rehabilitation, and Replacement - \$18,000/mile
- Long Term Rural Repair, Rehabilitation, and Replacement - \$13,000/mile

The above items are some key items, but on the spreadsheet for each District we included the assumption made to calculate the amount.

The Districts considered in the study are as follows:

Maintenance Area No. 3	Levee District No. 1	Levee District No. 9
Maintenance Area No. 16	Maintenance Area No. 7	Hamilton Bend
Marysville Levee District	Reclamation District No. 10	Reclamation District No. 784
Reclamation District No. 817	Reclamation District No. 900*	Reclamation District No. 1001
Reclamation District No. 2103		

*Reclamation District No. 900 is not part of the Feather River region but used as basis of comparison.

Maintenance Area No. 3, 7, 16, and Hamilton are all currently operated by the DWR Sutter Yard, therefore they were not treated as a separate LMA but instead a single combined LMA.

There has been a lot of discussion of consolidation of levee maintenance districts within the Feather River Region. In order to analyze the potential consolidation, numerous scenarios of combined LMA's were considered. We considered Districts within the same basin and urban vs. rural levee types. The combinations considered are as follows:

MA 3 and LD 1	MA 3, LD 1, and LD 9
MA 3, LD 1, LD 9, and MA 16	MA 3, LD 1, LD 9, MA 16, MA 7, and Hamilton Bend
RD 817 and RD 2103	RD 817, RD 2103, and RD 784's Horseshoe Area

3.0 FINDINGS

The typical range of OMRR&R budgets is between \$45,000 and \$85,000 per mile. The larger the District by levee miles, the lower the cost per levee mile. We also found that Urban Levee Districts tend to have higher cost per levee mile than rural LMA's. We feel this is a direct result of the urban LMA's having levee improvement projects with infrastructure requiring additional OMRR&R.

Features such as relief wells, concrete lined ditches, piezometers, inclinometers, pipe crossings, pump stations, and flood control structures (i.e. stop logs) greatly increase the cost per levee mile. Relief wells and concrete lined ditches have very high OMRR&R costs vs. slurry cut off walls that have no OMRR&R cost.

The consolidation analysis clearly indicates that the more levee miles within a single District, the more the overhead that can be spread out throughout the system. Regardless of the size of the District, there are overhead expenses that are about the same such as accounting, audit report, liability insurance, etc. Based on the analysis, the following minimum consolidation should occur based on cost per levee mile:

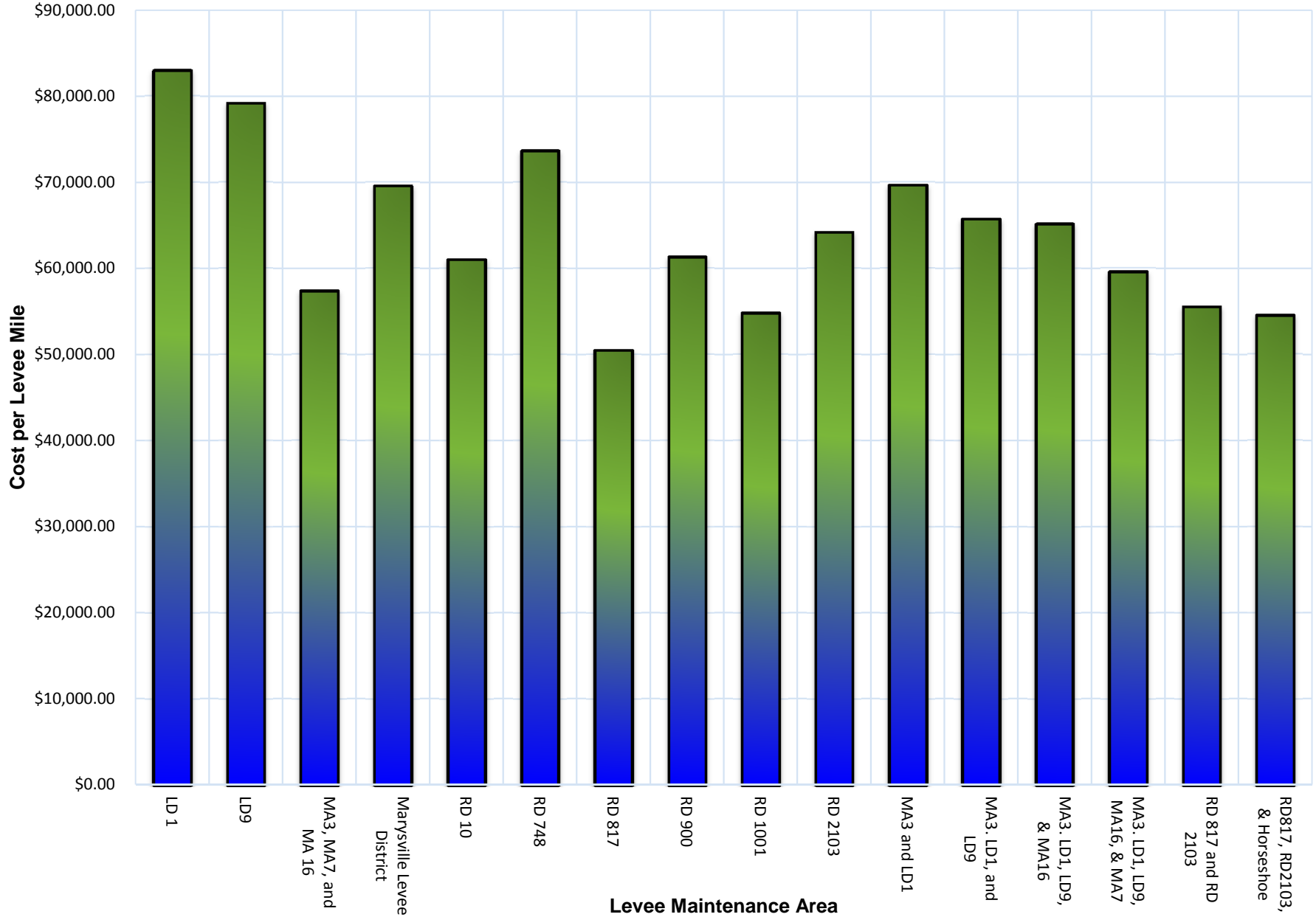
- MA 3, LD 1, and LD 9 – These three districts lower the cost per levee mile to about \$66,000. We considered included MA 16 so all of the Sutter County LMA's are within one District. This did reduce the costs per mile some. It should be noted that a small part of MA 16 is within Butte County. Our recommend is to create a Sutter County LMA consisting of MA 3, LD 1,

LD 9, and MA 16 and a Butte County LMA consisting of MA 7 and Hamilton Bend. The secondary recommendation would be to combine all West Feather River Levees into one LMA consisting of MA 3, LD 1, LD 9, MA 16, MA 7, and Hamilton Bend.

- RD 817 and RD 2103 – These two LMA's are within the same basin and protect the City of Wheatland and farmland. There is cost savings but not to the same magnitude on the west Feather River. Currently both Districts do not have any staff. The Districts currently work together, and it is only natural for them to become one District.
- RD 817, RD 2103, and Horseshoe Area – These three LMA's are within the same general area and are all rural in nature. RD 817 protects most of the area within the Horseshoe Area so it could be a logical consolidation. The cost per levee mile does decrease so from a cost savings per levee mile this is a reasonable consolidation.

The consolidation analysis did not consider the LMA boundary area and the theoretical cost per acres, unit, or square foot. A more detailed analysis would need to be performed to determine the ability to pass a Prop 218 Benefit Assessment for OMRR&R. For instance, the Horseshoe Levee has roughly six miles of levee and a limited amount of benefiting acres. When you then consider the number of benefits within the District Boundaries you find that it is an even smaller number of acres. The same issue will occur for Levee District No. 9. The levees within Levee District No. 9 not only benefit the lands within Levee District No. 9, but they also protect land within Levee District No. 1, Maintenance Area No. 3 and lands west of both Levee District No. 1 and No. 9. In accordance with Prop 218, you would need to spread the assessment over all of the benefiting lands but could only charge lands within Levee District No. 9. Without doing a detailed study, it appears that you would only be able to collect 25% of the assessment. It is clear that in addition to consolidation that expansion of the new LMA boundaries would be required to include all benefiting acres. This would require LAFCO approval and again was not part of this scope but would need to be considered before consolidation is considered.

Figure No. 1 - Total Projected LMA Levee OMRR&R Budget



**LEVEE DISTRICT NO. 1 OF SUTTER COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
LD 1 Property Assessment	\$420,100.00
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Yuba City - Contract O&M Services	\$0.00
Total Revenue	\$420,100.00
Deficient	(\$919,627.64)

Levee Budget	\$1,339,727.64
Levee Revenue	\$420,100.00
Levee Shortage	\$919,627.64

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Yuba City Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$120,000.00) (1 - General Manager - \$80,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 - Administrative Assistant - \$20,000)	\$120,000.00	\$120,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$80,000.00) (0 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	80,000.00	80,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$29,000.00)	29,000.00	29,000.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$17,000.00)	17,000.00	17,000.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$40,000.00)	40,000.00	40,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$7,000.00)	7,000.00	7,000.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$4,000.00)	4,000.00	4,000.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$6,000.00)	6,000.00	6,000.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	25,000.00	25,000.00	0.00	0.00	0.00
	Legal Fees	25,000.00	25,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 16.15 miles @ PV = \$5,000.00 per mile)	7,893.58	7,893.58	0.00	0.00	0.00

**LEVEE DISTRICT NO. 1 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Yuba City Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 3 vehicles @ PV = \$2,000.00 per vehicle)	6,000.00	6,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 3 vehicles @ PV = \$3,500.00 per vehicle)	10,500.00	10,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 16.15 miles @ PV = \$8,000.00 per mile)	12,629.74	12,629.74	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrak Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$14,481.98	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 3 vehicles @ PV = \$40,000.00 per vehicle)	11,732.47	11,732.47	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,861.86	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Star Bend Relief Well Pump Station - 2 Pumps - OMRR&R (Constructed 2005)						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$5,000.00)	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Estimated) - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$7,000.00)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	2,030.10	2,030.10	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$6,500.00)	114.75	114.75	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$316,000.00)	5,578.59	5,578.59	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-10 Inch Prime Pumps - Model 10M10-2 STG - 10 year life cycle (PV = \$50,000.00)	9,777.06	9,777.06	0.00	0.00	0.00
	Motor Rebuild - 2-25 HP 240 Volt GE - 1180 RPM - 10 year life cycle (PV = \$8,500.00)	1,662.10	1,662.10	0.00	0.00	0.00
	Pump Station Replacement - 50 year life cycle (PV = \$180,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Star Bend PS - 25 year life cycle (PV = \$45,000.00)	1,694.33	1,694.33	0.00	0.00	0.00
Series 5500 - Yuba City RV Park Pipe Crossing - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	6,966.03	6,966.03	0.00	0.00	0.00

**LEVEE DISTRICT NO. 1 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Yuba City Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6000 - Feather River West Levee - Project Area C - Station 844+75 to 1132+61 - 28,786' - ROW width 185.0 feet - Extra Acres 122.3 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$36,676.38	\$36,676.38	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,056.36	3,056.36	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,780.37	9,780.37	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,169.09	9,169.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,112.73	6,112.73	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,890.18	4,890.18	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,445.09	2,445.09	0.00	0.00	0.00
	Patrol Road O&M - 28,786 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,947.50)	10,554.09	10,554.09	0.00	0.00	0.00
	Patrol Road O&M - 10,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$40,500.00)	3,959.71	3,959.71	0.00	0.00	0.00
	Piezometer - Replacement - Total of 16 Piezometers - 50 year life cycle (PV = \$15,000.00)	4,236.90	4,236.90	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 16 Piezometers - 5 year life cycle (PV = \$650.00)	2,059.30	2,059.30	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 16 Piezometers - 1 year life cycle (PV = \$536.00)	8,576.00	8,576.00	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1956 - Well Abandonment - Total of 38 - 50 year life cycle (PV = \$9,000.00)	6,037.59	6,037.59	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1991 - Well Abandonment - Total of 19 - 50 year life cycle (PV = \$9,000.00)	3,018.79	3,018.79	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1998 - Well Abandonment - Total of 23 - 50 year life cycle (PV = \$9,000.00)	3,654.33	3,654.33	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Replacement - Total of 4560 feet - 20 year life cycle (PV = \$684,000.00)	36,023.85	36,023.85	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Annual O&M - Total of 4560 feet - 1 year life cycle (PV = \$2,280.00)	2,291.40	2,291.40	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Replacement - Total of 610 feet - 20 year life cycle (PV = \$91,500.00)	4,818.98	4,818.98	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Annual O&M - Total of 610 feet - 1 year life cycle (PV = \$305.00)	306.53	306.53	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 3 - 50 year life cycle (PV = \$90,500.00)	4,793.00	4,793.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 1 Relief Wells - 20 year life cycle (PV = \$15,000.00)	715.00	715.00	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,800.00)	1,069.25	1,069.25	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,400.00)	831.64	831.64	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 450 feet - 20 year life cycle (PV = \$67,500.00)	3,554.99	3,554.99	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 450 feet - 1 year life cycle (PV = \$225.00)	226.13	226.13	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	513.18	513.18	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	98,134.09	98,134.09	0.00	0.00	0.00

**LEVEE DISTRICT NO. 1 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Yuba City Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6100 - Feather River West Levee - Project Area B - Station 512+00 to 844+75 - 33,275' - ROW width 200.0 feet - Extra Acres 152.8 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$15,277.78	\$15,277.78	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,819.44	3,819.44	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,222.22	12,222.22	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,458.33	11,458.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,638.89	7,638.89	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,111.11	6,111.11	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,055.56	3,055.56	0.00	0.00	0.00
	Patrol Road O&M - 33,275 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,781.25)	12,199.93	12,199.93	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$7,875.00)	769.94	769.94	0.00	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	1,544.48	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	6,432.00	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Replacement - Total of 12 - 50 year life cycle (PV = \$97,500.00)	20,654.90	20,654.90	0.00	0.00	0.00
	Site 7 Relief Well Field - Abandonment of Existing - Total of 12 - 50 year life cycle (PV = \$9,000.00)	1,906.61	1,906.61	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Failure Replacement - Total of 2 Relief Wells - 20 year life cycle (PV = \$90,500.00)	8,627.63	8,627.63	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Repair - Total of 3 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,144.99	2,144.99	0.00	0.00	0.00
	Site 7 Relief Well Field - Pump Tests - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,800.00)	4,277.02	4,277.02	0.00	0.00	0.00
	Site 7 Relief Well Field - Swabbing and Cleaning - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,400.00)	3,326.57	3,326.57	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Replacement - Total of 3060 feet - 20 year life cycle (PV = \$918,000.00)	48,347.80	48,347.80	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Annual O&M - Total of 3060 feet - 1 year life cycle (PV = \$1,530.00)	1,537.65	1,537.65	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Replacement - Total of 2520 feet - 20 year life cycle (PV = \$378,000.00)	19,907.92	19,907.92	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Annual O&M - Total of 2520 feet - 1 year life cycle (PV = \$1,260.00)	1,266.30	1,266.30	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	593.21	593.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,437.50	113,437.50	0.00	0.00	0.00

**LEVEE DISTRICT NO. 1 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Yuba City Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6200 - Feather River West Levee - Project Area A - Station 280+04 to 512+00 - 23,196' - ROW width 175.0 feet - Extra Acres 93.2 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,318.87	\$9,318.87	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,329.72	2,329.72	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,455.10	7,455.10	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,989.15	6,989.15	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,659.44	4,659.44	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,727.55	3,727.55	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,863.77	1,863.77	0.00	0.00	0.00
	Patrol Road O&M - 23,196 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$86,985.00)	8,504.57	8,504.57	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	413.53	413.53	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	57,111.36	57,111.36	0.00	0.00	0.00
		\$1,339,727.64	\$1,339,727.64	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	16.15	\$34,259.70
Capital Costs per mile	16.15	\$2,659.86
Pipe Crossing OMRR&R Cost per mile	16.15	\$3,284.47
Levee Operation and Maintenance per mile	16.15	\$26,126.20
Levee Repair, Rehabilitation, and Replacement per mile	16.15	\$16,639.64
Total Cost per mile	16.15	\$82,969.87
Current per mile	16.15	\$26,016.96

Urban Levee Only

Direct, Admin, & Operations Cost per mile	11.75	\$34,259.70
Capital Costs per mile	11.75	\$2,659.86
Urban Pipe Crossing OMRR&R Cost per mile	11.75	\$4,512.07
Urban Levee Operation and Maintenance per mile	11.75	\$32,040.41
Urban Levee Repair, Rehabilitation, and Replacement per mile	11.75	\$18,000.00
Total Cost per mile	11.75	\$91,472.04

Rural Levee Only

Direct, Admin, & Operations Cost per mile	4.39	\$34,259.70
Capital Costs per mile	4.39	\$2,659.86
Rural Pipe Crossing OMRR&R Cost per mile	4.39	\$0.00
Rural Levee Operation and Maintenance per mile	4.39	\$10,302.71
Rural Levee Repair, Rehabilitation, and Replacement per mile	4.39	\$13,000.00
Total Cost per mile	4.39	\$60,222.27

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**LEVEE DISTRICT NO. 9 OF SUTTER COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
LD 9 Property Assessment	\$73,003.14
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Sutter County - Contract O&M Services	\$0.00
Total Revenue	\$73,003.14
Deficient	(\$417,645.38)

Total Budget	\$490,648.52
Total Revenue	\$73,003.14
Reserve Funds	(\$417,645.38)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LD 9 Funds	SBFCA Funds	USACE Obligation	Sutter County Funds
Levee District No. 9 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$0.00) (0 - General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$45,000.00) (0 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	45,000.00	45,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$1,800.00)	1,800.00	1,800.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$6,525.00)	6,525.00	6,525.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$3,825.00)	3,825.00	3,825.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$9,000.00)	9,000.00	9,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$1,575.00)	1,575.00	1,575.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$900.00)	900.00	900.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$1,350.00)	1,350.00	1,350.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	15,000.00	15,000.00	0.00	0.00	0.00
	Legal Fees	15,000.00	15,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 6.20 miles @ PV = \$5,000.00 per mile)	3,031.17	3,031.17	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 1 vehicles @ PV = \$2,000.00 per vehicle)	2,000.00	2,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 1 vehicles @ PV = \$3,500.00 per vehicle)	3,500.00	3,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 6.20 miles @ PV = \$8,000.00 per mile)	4,849.86	4,849.86	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**LEVEE DISTRICT NO. 9 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 9 Funds	SBFCA Funds	USACE Obligation	Sutter County Funds
Levee District No. 9 of Sutter County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle - (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 1 vehicles @ PV = \$40,000.00 per vehicle)	3,910.82	3,910.82	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 6000 - Feather River West Levee - Project Area C - Station 1132+61 to 1460+00 - 32,739' - ROW width 185.0 feet - Acres 139.0 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$200.00/ac)	\$27,808.61	\$27,808.61	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,476.08	3,476.08	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	11,123.44	11,123.44	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	10,428.23	10,428.23	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,952.15	6,952.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,561.72	5,561.72	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	1,390.43	1,390.43	0.00	0.00	0.00
	Patrol Road O&M - 32,739 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$122,771.25)	12,003.42	12,003.42	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,000.00)	1,173.25	1,173.25	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 6 - 50 year life cycle (PV = \$90,500.00)	9,585.99	9,585.99	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,138.51	2,138.51	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,663.28	1,663.28	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 950 feet - 20 year life cycle (PV = \$142,500.00)	7,504.97	7,504.97	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 950 feet - 1 year life cycle (PV = \$475.00)	477.38	477.38	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	583.66	583.66	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	111,610.23	111,610.23	0.00	0.00	0.00
		\$490,648.52	\$490,648.52	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	6.20	\$39,867.89
Capital Costs per mile	6.20	\$2,706.80
Pipe Crossing OMRR&R Cost per mile	6.20	\$0.00
Levee Operation and Maintenance per mile	6.20	\$18,554.92
Levee Repair, Rehabilitation, and Replacement per mile	6.20	\$18,000.00
Total Cost per mile	6.20	\$79,129.61
Current per mile	6.20	\$11,773.62

Urban Levee Only

Direct, Admin, & Operations Cost per mile	6.20	\$39,867.89
Capital Costs per mile	6.20	\$2,706.80

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

REVENUE SOURCES	
LMA Property Assessment	\$795,147.88
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Other Funding Sources	\$0.00
Total Revenue	\$795,147.88
Deficient	(\$1,867,479.51)

Total Budget	\$2,662,627.39
Total Revenue	\$795,147.88
Reserve Funds	(\$1,867,479.51)
ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$180,000.00) (1 - General Manager - \$140,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$180,000.00	\$180,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$185,000.00) (1 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 1 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	185,000.00	185,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$14,600.00)	14,600.00	14,600.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$52,925.00)	52,925.00	52,925.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$31,025.00)	31,025.00	31,025.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$73,000.00)	73,000.00	73,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$12,775.00)	12,775.00	12,775.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$7,300.00)	7,300.00	7,300.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$10,950.00)	10,950.00	10,950.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	50,000.00	50,000.00	0.00	0.00	0.00
	Legal Fees	50,000.00	50,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 44.69 miles @ PV = \$5,000.00 per mile)	21,849.04	21,849.04	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 5 vehicles @ PV = \$2,000.00 per vehicle)	10,000.00	10,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 5 vehicles @ PV = \$3,500.00 per vehicle)	17,500.00	17,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 44.69 miles @ PV = \$8,000.00 per mile)	34,958.46	34,958.46	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrak Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$14,481.98	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 5 vehicles @ PV = \$40,000.00 per vehicle)	19,554.11	19,554.11	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,861.86	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 1 spray rig @ PV = \$80,000.00 per spray rig)	5,149.15	5,149.15	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 1 tractor @ PV = \$150,000.00 per tractor)	9,654.65	9,654.65	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Star Bend Relief Well Pump Station - 2 Pumps - OMRR&R (Constructed 2005)						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$5,000.00)	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Estimated) - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$7,000.00)	1,386.07	1,386.07	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$6,500.00)	114.75	114.75	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$316,000.00)	5,578.59	5,578.59	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-10 Inch Prime Pumps - Model 10M10-2 STG - 10 year life cycle (PV = \$50,000.00)	9,777.06	9,777.06	0.00	0.00	0.00
	Motor Rebuild - 2-25 HP 240 Volt GE - 1180 RPM - 10 year life cycle (PV = \$8,500.00)	1,662.10	1,662.10	0.00	0.00	0.00
	Pump Station Replacement - 50 year life cycle (PV = \$180,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Star Bend PS - 25 year life cycle (PV = \$45,000.00)	1,694.33	1,694.33	0.00	0.00	0.00
Series 5500 - Yuba City RV Park Pipe Crossing - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	6,966.03	6,966.03	0.00	0.00	0.00
Series 5600 - Historic RD 777 Lateral 7 Pipe Crossing - SBFCA Station 1536+12 - OMRR&R (Constructed 2015)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$425,000.00) (Total of 1 pipe crossings)	7,502.85	7,502.85	0.00	0.00	0.00
Series 5700 - Historic RD 777 Lateral 12 Pipe Crossing - SBFCA Station 1610+92 - OMRR&R (Constructed 2015)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$547,062.50) (Total of 1 pipe crossings)	9,657.71	9,657.71	0.00	0.00	0.00
Series 5800 - 36 Inch Storm Drainage Pipe Crossing (Historic Double 60 Inch) - SBFCA Station 1961+08 - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$418,750.00) (Total of 1 pipe crossings)	7,392.51	7,392.51	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 5900 - 36 Inch Storm Drainage Pipe Crossing (Williams Ranch) - SBFCA Station 2262+69 - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$443,750.00) (Total of 1 pipe crossings)	7,833.86	7,833.86	0.00	0.00	0.00
Series 5950 - 36 Inch Storm Drainage Pipe Crossing (Williams Ranch) - SBFCA Station 2274+95 - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$443,750.00) (Total of 1 pipe crossings)	7,833.86	7,833.86	0.00	0.00	0.00
Series 6000 - Feather River West Levee - Project Area D - Station 2285+00 to 2371+00 - 8,600' - ROW width 185.0 feet - Acres 36.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,652.43	\$3,652.43	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	913.11	913.11	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,921.95	2,921.95	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,739.33	2,739.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,826.22	1,826.22	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,460.97	1,460.97	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	730.49	730.49	0.00	0.00	0.00
	Patrol Road O&M - 8,600 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$32,250.00)	3,153.10	3,153.10	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$10,500.00)	1,026.59	1,026.59	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	153.32	153.32	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	29,318.18	29,318.18	0.00	0.00	0.00
Series 6100 - Feather River West Levee - Project Area D - Station 1675+50 to 2285+00 - 60,950' - ROW width 200.0 feet - Acres 279.8 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$27,984.39	\$27,984.39	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	6,996.10	6,996.10	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	22,387.51	22,387.51	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	20,988.29	20,988.29	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	13,992.19	13,992.19	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	11,193.76	11,193.76	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	5,596.88	5,596.88	0.00	0.00	0.00
	Patrol Road O&M - 60,950 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$228,562.50)	22,346.69	22,346.69	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$7,875.00)	769.94	769.94	0.00	0.00	0.00
	Piezometer - Replacement - Total of 6 Piezometers - 50 year life cycle (PV = \$15,000.00)	1,588.84	1,588.84	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 6 Piezometers - 5 year life cycle (PV = \$650.00)	772.24	772.24	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 6 Piezometers - 1 year life cycle (PV = \$536.00)	3,216.00	3,216.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	1,086.59	1,086.59	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	207,784.09	207,784.09	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6200 - Feather River West Levee - Project Area D - Station 1623+86 to 1674+37 - 5,051' - ROW width 185.0 feet - Acres 21.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$2,145.17	\$2,145.17	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	536.29	536.29	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	1,716.13	1,716.13	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,608.88	1,608.88	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,072.58	1,072.58	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	858.07	858.07	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	429.03	429.03	0.00	0.00	0.00
	Patrol Road O&M - 5,051 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$18,941.25)	1,851.90	1,851.90	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$007.50)	2,053.18	2,053.18	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	90.05	90.05	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	17,219.32	17,219.32	0.00	0.00	0.00
Series 6300 - Feather River West Levee - Project Area C - Station 1460+00 to 1623+86 - 16,386' - ROW width 185.0 feet - Acres 69.6 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$6,959.16	\$6,959.16	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,739.79	1,739.79	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	5,567.33	5,567.33	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,219.37	5,219.37	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,479.58	3,479.58	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,783.66	2,783.66	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,391.83	1,391.83	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	292.12	292.12	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	55,861.36	55,861.36	0.00	0.00	0.00
Series 6400 - Feather River West Levee - Project Area C - Station 1132+61 to 1460+00 - 32,739' - ROW width 185.0 feet - Acres 139.0 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$200.00/ac)	\$27,808.61	\$27,808.61	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,476.08	3,476.08	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	11,123.44	11,123.44	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	10,428.23	10,428.23	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,952.15	6,952.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,561.72	5,561.72	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,780.86	2,780.86	0.00	0.00	0.00
	Patrol Road O&M - 32,739 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$122,771.25)	12,003.42	12,003.42	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,000.00)	1,173.25	1,173.25	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 6 - 50 year life cycle (PV = \$90,500.00)	9,585.99	9,585.99	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,138.51	2,138.51	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,663.28	1,663.28	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 650 feet - 20 year life cycle (PV = \$97,500.00)	5,134.98	5,134.98	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 650 feet - 1 year life cycle (PV = \$325.00)	326.63	326.63	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	583.66	583.66	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	111,610.23	111,610.23	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6500 - Feather River West Levee - Project Area C - Station 844+75 to 1132+61 - 28,786' - ROW width 185.0 feet - Extra Acres 122.3 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$36,676.38	\$36,676.38	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,056.36	3,056.36	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,780.37	9,780.37	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,169.09	9,169.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,112.73	6,112.73	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,890.18	4,890.18	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,445.09	2,445.09	0.00	0.00	0.00
	Patrol Road O&M - 28,786 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,947.50)	10,554.09	10,554.09	0.00	0.00	0.00
	Patrol Road O&M - 10,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$40,500.00)	3,959.71	3,959.71	0.00	0.00	0.00
	Piezometer - Replacement - Total of 16 Piezometers - 50 year life cycle (PV = \$15,000.00)	4,236.90	4,236.90	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 16 Piezometers - 5 year life cycle (PV = \$650.00)	2,059.30	2,059.30	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 16 Piezometers - 1 year life cycle (PV = \$536.00)	8,576.00	8,576.00	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1956 - Well Abandonment - Total of 38 - 50 year life cycle (PV = \$9,000.00)	6,037.59	6,037.59	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1991 - Well Abandonment - Total of 19 - 50 year life cycle (PV = \$9,000.00)	3,018.79	3,018.79	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1998 - Well Abandonment - Total of 23 - 50 year life cycle (PV = \$9,000.00)	3,654.33	3,654.33	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Replacement - Total of 4560 feet - 20 year life cycle (PV = \$684,000.00)	36,023.85	36,023.85	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Annual O&M - Total of 4560 feet - 1 year life cycle (PV = \$2,280.00)	2,291.40	2,291.40	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Replacement - Total of 610 feet - 20 year life cycle (PV = \$91,500.00)	4,818.98	4,818.98	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Annual O&M - Total of 610 feet - 1 year life cycle (PV = \$305.00)	306.53	306.53	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 7 - 50 year life cycle (PV = \$90,500.00)	11,183.66	11,183.66	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 7 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,494.93	2,494.93	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 7 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,940.50	1,940.50	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 950 feet - 20 year life cycle (PV = \$142,500.00)	7,504.97	7,504.97	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 950 feet - 1 year life cycle (PV = \$475.00)	477.38	477.38	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	513.18	513.18	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	98,134.09	98,134.09	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6600 - Feather River West Levee - Project Area B - Station 512+00 to 844+75 - 33,275' - ROW width 200.0 feet - Extra Acres 152.8 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$15,277.78	\$15,277.78	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,819.44	3,819.44	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,222.22	12,222.22	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,458.33	11,458.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,638.89	7,638.89	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,111.11	6,111.11	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,055.56	3,055.56	0.00	0.00	0.00
	Patrol Road O&M - 33,275 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,781.25)	12,199.93	12,199.93	0.00	0.00	0.00
	Patrol Road O&M - 6,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$22,875.00)	2,236.50	2,236.50	0.00	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	1,544.48	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	6,432.00	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Replacement - Total of 12 - 50 year life cycle (PV = \$97,500.00)	20,654.90	20,654.90	0.00	0.00	0.00
	Site 7 Relief Well Field - Abandonment of Existing - Total of 12 - 50 year life cycle (PV = \$9,000.00)	1,906.61	1,906.61	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Failure Replacement - Total of 2 Relief Wells - 20 year life cycle (PV = \$90,500.00)	8,627.63	8,627.63	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Repair - Total of 3 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,144.99	2,144.99	0.00	0.00	0.00
	Site 7 Relief Well Field - Pump Tests - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,800.00)	4,277.02	4,277.02	0.00	0.00	0.00
	Site 7 Relief Well Field - Swabbing and Cleaning - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,400.00)	3,326.57	3,326.57	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Replacement - Total of 3060 feet - 20 year life cycle (PV = \$918,000.00)	48,347.80	48,347.80	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Annual O&M - Total of 3060 feet - 1 year life cycle (PV = \$1,530.00)	1,537.65	1,537.65	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Replacement - Total of 2520 feet - 20 year life cycle (PV = \$378,000.00)	19,907.92	19,907.92	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Annual O&M - Total of 2520 feet - 1 year life cycle (PV = \$1,260.00)	1,266.30	1,266.30	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	593.21	593.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,437.50	113,437.50	0.00	0.00	0.00
Series 6700 - Feather River West Levee - Project Area A - Station 280+04 to 512+00 - 23,196' - ROW width 175.0 feet - Extra Acres 93.2 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,318.87	\$9,318.87	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,329.72	2,329.72	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,455.10	7,455.10	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,989.15	6,989.15	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,659.44	4,659.44	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,727.55	3,727.55	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,863.77	1,863.77	0.00	0.00	0.00
	Patrol Road O&M - 23,196 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$86,985.00)	8,504.57	8,504.57	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	413.53	413.53	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	57,111.36	57,111.36	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, MA 16, MA 7, AND HAMILTON BEND
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6800 - Feather River West Levee - Project Area A - Station 10+00 to 280+04 - 27,004' - ROW width 175.0 feet - Extra Acres 108.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,848.71	\$10,848.71	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,712.18	2,712.18	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,678.97	8,678.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,136.54	8,136.54	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,424.36	5,424.36	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,339.49	4,339.49	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,169.74	2,169.74	0.00	0.00	0.00
	Patrol Road O&M - 27,004 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$101,265.00)	9,900.74	9,900.74	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	481.42	481.42	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	66,487.12	66,487.12	0.00	0.00	0.00
		\$2,662,627.39	\$2,662,627.39	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	44.69	\$20,406.44
Capital Costs per mile	44.69	\$1,467.17
Pipe Crossing OMRR&R Cost per mile	44.69	\$2,422.13
Levee Operation and Maintenance per mile	44.69	\$18,341.80
Levee Repair, Rehabilitation, and Replacement per mile	44.69	\$16,936.38
Total Cost per mile	44.69	\$59,573.93
Current per mile	44.69	\$17,790.73

Urban Levee Only

Direct, Admin, & Operations Cost per mile	35.19	\$20,406.44
Capital Costs per mile	35.19	\$1,467.17
Urban Pipe Crossing OMRR&R Cost per mile	35.19	\$3,076.60
Urban Levee Operation and Maintenance per mile	35.19	\$20,513.97
Urban Levee Repair, Rehabilitation, and Replacement per mile	35.19	\$18,000.00
Total Cost per mile	35.19	\$63,464.19

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.51	\$20,406.44
Capital Costs per mile	9.51	\$1,467.17
Rural Pipe Crossing OMRR&R Cost per mile	9.51	\$0.00
Rural Levee Operation and Maintenance per mile	9.51	\$10,302.71
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.51	\$13,000.00
Total Cost per mile	9.51	\$45,176.33

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

REVENUE SOURCES	
LMA Property Assessment	\$649,775.98
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Other Funding Sources	\$0.00
Total Revenue	\$649,775.98
Deficient	(\$1,403,956.34)

Total Budget	\$2,053,732.32
Total Revenue	\$649,775.98
Reserve Funds	(\$1,403,956.34)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$160,000.00) (1 - General Manager - \$120,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$160,000.00	\$160,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$120,000.00) (0 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 1 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	120,000.00	120,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$11,200.00)	11,200.00	11,200.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$40,600.00)	40,600.00	40,600.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$23,800.00)	23,800.00	23,800.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$56,000.00)	56,000.00	56,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$9,800.00)	9,800.00	9,800.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$5,600.00)	5,600.00	5,600.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$8,400.00)	8,400.00	8,400.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	12,000.00	12,000.00	0.00	0.00	0.00
	Engineering Consulting	40,000.00	40,000.00	0.00	0.00	0.00
	Legal Fees	40,000.00	40,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 31.52 miles @ PV = \$5,000.00 per mile)	15,409.70	15,409.70	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 3 vehicles @ PV = \$2,000.00 per vehicle)	6,000.00	6,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 3 vehicles @ PV = \$3,500.00 per vehicle)	10,500.00	10,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 31.52 miles @ PV = \$8,000.00 per mile)	24,655.52	24,655.52	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$14,481.98	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 3 vehicles @ PV = \$40,000.00 per vehicle)	11,732.47	11,732.47	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,861.86	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Star Bend Relief Well Pump Station - 2 Pumps - OMRR&R (Constructed 2005)						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$5,000.00)	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Estimated) - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$7,000.00)	1,386.07	1,386.07	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$6,500.00)	114.75	114.75	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$316,000.00)	5,578.59	5,578.59	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-10 Inch Prime Pumps - Model 10M10-2 STG - 10 year life cycle (PV = \$50,000.00)	9,777.06	9,777.06	0.00	0.00	0.00
	Motor Rebuild - 2-25 HP 240 Volt GE - 1180 RPM - 10 year life cycle (PV = \$8,500.00)	1,662.10	1,662.10	0.00	0.00	0.00
	Pump Station Replacement - 50 year life cycle (PV = \$180,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Star Bend PS - 25 year life cycle (PV = \$45,000.00)	1,694.33	1,694.33	0.00	0.00	0.00
Series 5500 - Yuba City RV Park Pipe Crossing - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	6,966.03	6,966.03	0.00	0.00	0.00
Series 5600 - Historic RD 777 Lateral 7 Pipe Crossing - SBFCA Station 1536+12 - OMRR&R (Constructed 2015)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$425,000.00) (Total of 1 pipe crossings)	7,502.85	7,502.85	0.00	0.00	0.00
Series 5700 - Historic RD 777 Lateral 12 Pipe Crossing - SBFCA Station 1610+92 - OMRR&R (Constructed 2015)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$4,500.00)	891.04	891.04	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$547,062.50) (Total of 1 pipe crossings)	9,657.71	9,657.71	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6000 - Feather River West Levee - Project Area D - Station 1623+86 to 1674+37 - 5,051' - ROW width 185.0 feet - Acres 21.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$350.00/ac)	\$7,508.09	\$7,508.09	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	536.29	536.29	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	1,716.13	1,716.13	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,608.88	1,608.88	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,072.58	1,072.58	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	858.07	858.07	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	429.03	429.03	0.00	0.00	0.00
	Patrol Road O&M - 5,051 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$18,941.25)	1,851.90	1,851.90	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$007.50)	2,053.18	2,053.18	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	90.05	90.05	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	17,219.32	17,219.32	0.00	0.00	0.00
Series 6100 - Feather River West Levee - Project Area C - Station 1460+00 to 1623+86 - 16,386' - ROW width 185.0 feet - Acres 69.6 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$150.00/ac)	\$10,438.74	\$10,438.74	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,739.79	1,739.79	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	5,567.33	5,567.33	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,219.37	5,219.37	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,479.58	3,479.58	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,783.66	2,783.66	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,391.83	1,391.83	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	292.12	292.12	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	55,861.36	55,861.36	0.00	0.00	0.00
Series 6200 - Feather River West Levee - Project Area C - Station 1132+61 to 1460+00 - 32,739' - ROW width 185.0 feet - Acres 139.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$350.00/ac)	\$48,665.07	\$48,665.07	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,476.08	3,476.08	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	11,123.44	11,123.44	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	10,428.23	10,428.23	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,952.15	6,952.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,561.72	5,561.72	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,780.86	2,780.86	0.00	0.00	0.00
	Patrol Road O&M - 32,739 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$122,771.25)	12,003.42	12,003.42	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,000.00)	1,173.25	1,173.25	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 6 - 50 year life cycle (PV = \$90,500.00)	9,585.99	9,585.99	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,138.51	2,138.51	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,663.28	1,663.28	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 650 feet - 20 year life cycle (PV = \$97,500.00)	5,134.98	5,134.98	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 650 feet - 1 year life cycle (PV = \$325.00)	326.63	326.63	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	583.66	583.66	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	111,610.23	111,610.23	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6300 - Feather River West Levee - Project Area C - Station 844+75 to 1132+61 - 28,786' - ROW width 185.0 feet - Acres 122.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$350.00/ac)	\$42,789.11	\$42,789.11	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,056.36	3,056.36	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,780.37	9,780.37	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,169.09	9,169.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,112.73	6,112.73	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,890.18	4,890.18	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,445.09	2,445.09	0.00	0.00	0.00
	Patrol Road O&M - 28,786 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,947.50)	10,554.09	10,554.09	0.00	0.00	0.00
	Patrol Road O&M - 10,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$40,500.00)	3,959.71	3,959.71	0.00	0.00	0.00
	Piezometer - Replacement - Total of 16 Piezometers - 50 year life cycle (PV = \$15,000.00)	4,236.90	4,236.90	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 16 Piezometers - 5 year life cycle (PV = \$650.00)	2,059.30	2,059.30	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 16 Piezometers - 1 year life cycle (PV = \$536.00)	8,576.00	8,576.00	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1956 - Well Abandonment - Total of 38 - 50 year life cycle (PV = \$9,000.00)	6,037.59	6,037.59	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1991 - Well Abandonment - Total of 19 - 50 year life cycle (PV = \$9,000.00)	3,018.79	3,018.79	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1998 - Well Abandonment - Total of 23 - 50 year life cycle (PV = \$9,000.00)	3,654.33	3,654.33	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Replacement - Total of 4560 feet - 20 year life cycle (PV = \$684,000.00)	36,023.85	36,023.85	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Annual O&M - Total of 4560 feet - 1 year life cycle (PV = \$2,280.00)	2,291.40	2,291.40	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Replacement - Total of 610 feet - 20 year life cycle (PV = \$91,500.00)	4,818.98	4,818.98	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Annual O&M - Total of 610 feet - 1 year life cycle (PV = \$305.00)	306.53	306.53	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 3 - 50 year life cycle (PV = \$90,500.00)	4,793.00	4,793.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 1 Relief Wells - 20 year life cycle (PV = \$15,000.00)	715.00	715.00	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,800.00)	1,069.25	1,069.25	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,400.00)	831.64	831.64	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 450 feet - 20 year life cycle (PV = \$67,500.00)	3,554.99	3,554.99	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 450 feet - 1 year life cycle (PV = \$225.00)	226.13	226.13	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	513.18	513.18	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	98,134.09	98,134.09	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6400 - Feather River West Levee - Project Area B - Station 512+00 to 844+75 - 33,275' - ROW width 200.0 feet - Extra Acres 152.8 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$150.00/ac)	\$22,916.67	\$22,916.67	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,819.44	3,819.44	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,222.22	12,222.22	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,458.33	11,458.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,638.89	7,638.89	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,111.11	6,111.11	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,055.56	3,055.56	0.00	0.00	0.00
	Patrol Road O&M - 33,275 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,781.25)	12,199.93	12,199.93	0.00	0.00	0.00
	Patrol Road O&M - 6,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$22,875.00)	2,236.50	2,236.50	0.00	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	1,544.48	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	6,432.00	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Replacement - Total of 12 - 50 year life cycle (PV = \$97,500.00)	20,654.90	20,654.90	0.00	0.00	0.00
	Site 7 Relief Well Field - Abandonment of Existing - Total of 12 - 50 year life cycle (PV = \$9,000.00)	1,906.61	1,906.61	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Failure Replacement - Total of 2 Relief Wells - 20 year life cycle (PV = \$90,500.00)	8,627.63	8,627.63	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Repair - Total of 3 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,144.99	2,144.99	0.00	0.00	0.00
	Site 7 Relief Well Field - Pump Tests - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,800.00)	4,277.02	4,277.02	0.00	0.00	0.00
	Site 7 Relief Well Field - Swabbing and Cleaning - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,400.00)	3,326.57	3,326.57	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Replacement - Total of 3060 feet - 20 year life cycle (PV = \$918,000.00)	48,347.80	48,347.80	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Annual O&M - Total of 3060 feet - 1 year life cycle (PV = \$1,530.00)	1,537.65	1,537.65	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Replacement - Total of 2520 feet - 20 year life cycle (PV = \$378,000.00)	19,907.92	19,907.92	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Annual O&M - Total of 2520 feet - 1 year life cycle (PV = \$1,260.00)	1,266.30	1,266.30	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	593.21	593.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,437.50	113,437.50	0.00	0.00	0.00
Series 6500 - Feather River West Levee - Project Area A - Station 280+04 to 512+00 - 23,196' - ROW width 175.0 feet - Acres 93.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$50.00/ac)	\$4,659.44	\$4,659.44	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,329.72	2,329.72	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,455.10	7,455.10	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,989.15	6,989.15	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,659.44	4,659.44	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,727.55	3,727.55	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,863.77	1,863.77	0.00	0.00	0.00
	Patrol Road O&M - 23,196 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$86,985.00)	8,504.57	8,504.57	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	413.53	413.53	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	57,111.36	57,111.36	0.00	0.00	0.00

**COMBINED MA 3, LD 1, LD 9, AND MA 16
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LMA Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, LD 9, and MA 16 of Sutter County - Operation and Maintenance Budget						
Series 6300 - Feather River West Levee - Project Area A - Station 10+00 to 280+04 - 27,004' - ROW width 175.0 feet - Extra Acres 108.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$50.00/ac)	\$5,424.36	\$5,424.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,712.18	2,712.18	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,678.97	8,678.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,136.54	8,136.54	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,424.36	5,424.36	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,339.49	4,339.49	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,169.74	2,169.74	0.00	0.00	0.00
	Patrol Road O&M - 27,004 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$101,265.00)	9,900.74	9,900.74	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	481.42	481.42	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	66,487.12	66,487.12	0.00	0.00	0.00
		\$2,053,732.32	\$2,053,732.32	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	31.52	\$23,289.61
Capital Costs per mile	31.52	\$1,362.51
Pipe Crossing OMRR&R Cost per mile	31.52	\$2,378.56
Levee Operation and Maintenance per mile	31.52	\$21,629.42
Levee Repair, Rehabilitation, and Replacement per mile	31.52	\$16,491.92
Total Cost per mile	31.52	\$65,152.02
Current per mile	31.52	\$20,613.31

Urban Levee Only

Direct, Admin, & Operations Cost per mile	22.01	\$23,289.61
Capital Costs per mile	22.01	\$1,362.51
Urban Pipe Crossing OMRR&R Cost per mile	22.01	\$0.00
Urban Levee Operation and Maintenance per mile	22.01	\$26,979.21
Urban Levee Repair, Rehabilitation, and Replacement per mile	22.01	\$5,484.09
Total Cost per mile	22.01	\$57,115.41

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.51	\$23,289.61
Capital Costs per mile	9.51	\$1,362.51
Rural Pipe Crossing OMRR&R Cost per mile	9.51	\$0.00
Rural Levee Operation and Maintenance per mile	9.51	\$9,242.11
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.51	\$13,000.00
Total Cost per mile	9.51	\$46,894.22

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**COMBINED LD 1, LD 9, AND MA 3
ESTIMATED ANNUAL BUDGET**

REVENUE SOURCES	
LD 1 Property Assessment	\$568,030.04
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Other Funding Sources	\$0.00
Total Revenue	\$568,030.04
Deficient	(\$1,237,094.27)

Total Budget	\$1,805,124.31
Total Revenue	\$568,030.04
Reserve Funds	(\$1,237,094.27)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, and LD 9 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$140,000.00) (1 - General Manager - \$100,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$140,000.00	\$140,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$120,000.00) (0 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 1 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	120,000.00	120,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$10,400.00)	10,400.00	10,400.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$37,700.00)	37,700.00	37,700.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$22,100.00)	22,100.00	22,100.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$52,000.00)	52,000.00	52,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$9,100.00)	9,100.00	9,100.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$5,200.00)	5,200.00	5,200.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$7,800.00)	7,800.00	7,800.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	12,000.00	12,000.00	0.00	0.00	0.00
	Engineering Consulting	30,000.00	30,000.00	0.00	0.00	0.00
	Legal Fees	30,000.00	30,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 27.46 miles @ PV = \$5,000.00 per mile)	13,424.94	13,424.94	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 3 vehicles @ PV = \$2,000.00 per vehicle)	6,000.00	6,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 3 vehicles @ PV = \$3,500.00 per vehicle)	10,500.00	10,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 27.46 miles @ PV = \$8,000.00 per mile)	21,479.90	21,479.90	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**COMBINED LD 1, LD 9, AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, and LD 9 of Sutter County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$14,481.98	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 3 vehicles @ PV = \$40,000.00 per vehicle)	11,732.47	11,732.47	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,861.86	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Star Bend Relief Well Pump Station - 2 Pumps - OMRR&R (Constructed 2005)						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$5,000.00)	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Estimated) - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$7,000.00)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	2,030.10	2,030.10	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$6,500.00)	114.75	114.75	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$316,000.00)	5,578.59	5,578.59	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-10 Inch Prime Pumps - Model 10M10-2 STG - 10 year life cycle (PV = \$50,000.00)	9,777.06	9,777.06	0.00	0.00	0.00
	Motor Rebuild - 2-25 HP 240 Volt GE - 1180 RPM - 10 year life cycle (PV = \$8,500.00)	1,662.10	1,662.10	0.00	0.00	0.00
	Pump Station Replacement - 50 year life cycle (PV = \$180,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Star Bend PS - 25 year life cycle (PV = \$45,000.00)	1,694.33	1,694.33	0.00	0.00	0.00
Series 5500 - Yuba City RV Park Pipe Crossing - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	6,966.03	6,966.03	0.00	0.00	0.00
Series 6000 - Feather River West Levee - Project Area C - Station 1132+61 to 1460+00 - 32,739' - ROW width 185.0 feet - Acres 139.0 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$200.00/ac)	\$27,808.61	\$27,808.61	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,476.08	3,476.08	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	11,123.44	11,123.44	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	10,428.23	10,428.23	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,952.15	6,952.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,561.72	5,561.72	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,780.86	2,780.86	0.00	0.00	0.00
	Patrol Road O&M - 32,739 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$122,771.25)	12,003.42	12,003.42	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,000.00)	1,173.25	1,173.25	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 6 - 50 year life cycle (PV = \$90,500.00)	9,585.99	9,585.99	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,138.51	2,138.51	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 6 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,663.28	1,663.28	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	583.66	583.66	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	111,610.23	111,610.23	0.00	0.00	0.00

**COMBINED LD 1, LD 9, AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, and LD 9 of Sutter County - Operation and Maintenance Budget						
Series 6100 - Feather River West Levee - Project Area C - Station 844+75 to 1132+61 - 28,786' - ROW width 185.0 feet - Extra Acres 122.3 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$36,676.38	\$36,676.38	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,056.36	3,056.36	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,780.37	9,780.37	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,169.09	9,169.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,112.73	6,112.73	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,890.18	4,890.18	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,445.09	2,445.09	0.00	0.00	0.00
	Patrol Road O&M - 28,786 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,947.50)	10,554.09	10,554.09	0.00	0.00	0.00
	Patrol Road O&M - 10,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$40,500.00)	3,959.71	3,959.71	0.00	0.00	0.00
	Piezometer - Replacement - Total of 16 Piezometers - 50 year life cycle (PV = \$15,000.00)	4,236.90	4,236.90	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 16 Piezometers - 5 year life cycle (PV = \$650.00)	2,059.30	2,059.30	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 16 Piezometers - 1 year life cycle (PV = \$536.00)	8,576.00	8,576.00	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1956 - Well Abandonment - Total of 38 - 50 year life cycle (PV = \$9,000.00)	6,037.59	6,037.59	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1991 - Well Abandonment - Total of 19 - 50 year life cycle (PV = \$9,000.00)	3,018.79	3,018.79	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1998 - Well Abandonment - Total of 23 - 50 year life cycle (PV = \$9,000.00)	3,654.33	3,654.33	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Replacement - Total of 4560 feet - 20 year life cycle (PV = \$684,000.00)	36,023.85	36,023.85	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Annual O&M - Total of 4560 feet - 1 year life cycle (PV = \$2,280.00)	2,291.40	2,291.40	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Replacement - Total of 610 feet - 20 year life cycle (PV = \$91,500.00)	4,818.98	4,818.98	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Annual O&M - Total of 610 feet - 1 year life cycle (PV = \$305.00)	306.53	306.53	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 3 - 50 year life cycle (PV = \$90,500.00)	4,793.00	4,793.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 1 Relief Wells - 20 year life cycle (PV = \$15,000.00)	715.00	715.00	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,800.00)	1,069.25	1,069.25	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 3 Relief Wells - 5 year life cycle (PV = \$1,400.00)	831.64	831.64	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 450 feet - 20 year life cycle (PV = \$67,500.00)	3,554.99	3,554.99	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 450 feet - 1 year life cycle (PV = \$225.00)	226.13	226.13	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	513.18	513.18	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	98,134.09	98,134.09	0.00	0.00	0.00

**COMBINED LD 1, LD 9, AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, and LD 9 of Sutter County - Operation and Maintenance Budget						
Series 6200 - Feather River West Levee - Project Area B - Station 512+00 to 844+75 - 33,275' - ROW width 200.0 feet - Acres 152.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$15,277.78	\$15,277.78	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,819.44	3,819.44	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,222.22	12,222.22	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,458.33	11,458.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,638.89	7,638.89	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,111.11	6,111.11	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,055.56	3,055.56	0.00	0.00	0.00
	Patrol Road O&M - 33,275 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,781.25)	12,199.93	12,199.93	0.00	0.00	0.00
	Patrol Road O&M - 6,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$22,875.00)	2,236.50	2,236.50	0.00	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	1,544.48	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	6,432.00	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Replacement - Total of 12 - 50 year life cycle (PV = \$97,500.00)	20,654.90	20,654.90	0.00	0.00	0.00
	Site 7 Relief Well Field - Abandonment of Existing - Total of 12 - 50 year life cycle (PV = \$9,000.00)	1,906.61	1,906.61	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Failure Replacement - Total of 2 Relief Wells - 20 year life cycle (PV = \$90,500.00)	8,627.63	8,627.63	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Repair - Total of 3 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,144.99	2,144.99	0.00	0.00	0.00
	Site 7 Relief Well Field - Pump Tests - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,800.00)	4,277.02	4,277.02	0.00	0.00	0.00
	Site 7 Relief Well Field - Swabbing and Cleaning - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,400.00)	3,326.57	3,326.57	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Replacement - Total of 3060 feet - 20 year life cycle (PV = \$918,000.00)	48,347.80	48,347.80	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Annual O&M - Total of 3060 feet - 1 year life cycle (PV = \$1,530.00)	1,537.65	1,537.65	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Replacement - Total of 2520 feet - 20 year life cycle (PV = \$378,000.00)	19,907.92	19,907.92	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Annual O&M - Total of 2520 feet - 1 year life cycle (PV = \$1,260.00)	1,266.30	1,266.30	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	593.21	593.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,437.50	113,437.50	0.00	0.00	0.00
Series 6300 - Feather River West Levee - Project Area A - Station 280+04 to 512+00 - 23,196' - ROW width 175.0 feet - Extra Acres 93.2 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,318.87	\$9,318.87	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,329.72	2,329.72	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,455.10	7,455.10	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,989.15	6,989.15	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,659.44	4,659.44	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,727.55	3,727.55	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,863.77	1,863.77	0.00	0.00	0.00
	Patrol Road O&M - 23,196 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$86,985.00)	8,504.57	8,504.57	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	413.53	413.53	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	57,111.36	57,111.36	0.00	0.00	0.00

**COMBINED LD 1, LD 9, AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3, LD 1, and LD 9 of Sutter County - Operation and Maintenance Budget						
Series 6400 - Feather River West Levee - Project Area A - Station 10+00 to 280+04 - 27,004' - ROW width 175.0 feet - Extra Acres 108.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,848.71	\$10,848.71	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,712.18	2,712.18	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,678.97	8,678.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,136.54	8,136.54	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,424.36	5,424.36	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,339.49	4,339.49	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,169.74	2,169.74	0.00	0.00	0.00
	Patrol Road O&M - 27,004 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$101,265.00)	9,900.74	9,900.74	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	481.42	481.42	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	66,487.12	66,487.12	0.00	0.00	0.00
		\$1,805,124.31	\$1,805,124.31	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	27.46	\$24,684.12
Capital Costs per mile	27.46	\$1,563.94
Pipe Crossing OMRR&R Cost per mile	27.46	\$1,931.20
Levee Operation and Maintenance per mile	27.46	\$21,283.20
Levee Repair, Rehabilitation, and Replacement per mile	27.46	\$16,268.97
Total Cost per mile	27.46	\$65,731.42
Current per mile	27.46	\$20,684.13

Urban Levee Only

Direct, Admin, & Operations Cost per mile	17.95	\$24,684.12
Capital Costs per mile	17.95	\$1,563.94
Urban Pipe Crossing OMRR&R Cost per mile	17.95	\$2,953.84
Urban Levee Operation and Maintenance per mile	17.95	\$27,097.76
Urban Levee Repair, Rehabilitation, and Replacement per mile	17.95	\$18,000.00
Total Cost per mile	17.95	\$74,299.65

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.51	\$24,684.12
Capital Costs per mile	9.51	\$1,563.94
Rural Pipe Crossing OMRR&R Cost per mile	9.51	\$0.00
Rural Levee Operation and Maintenance per mile	9.51	\$10,302.71
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.51	\$13,000.00
Total Cost per mile	9.51	\$49,550.78

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**COMBINED LD 1 AND MA 3
ESTIMATED ANNUAL BUDGET**

REVENUE SOURCES	
LD 1 Property Assessment	\$495,026.90
SBFCA Supplement Income	\$0.00
USACE Obligation	\$0.00
Other Funding Sources	\$0.00
Total Revenue	\$495,026.90
Deficient	(\$985,519.64)

Total Budget	\$1,480,546.54
Total Revenue	\$495,026.90
Reserve Funds	(\$985,519.64)
ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3 and Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$120,000.00) (1 - General Manager - \$80,000, 1 - Bookkeeper/Office Manager - \$40,000, and 1 - Administrative Assistant - \$20,000)	\$120,600.00	\$120,600.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$80,000.00) (0 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	80,000.00	80,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$29,000.00)	29,000.00	29,000.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$17,000.00)	17,000.00	17,000.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$40,000.00)	40,000.00	40,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$7,000.00)	7,000.00	7,000.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$4,000.00)	4,000.00	4,000.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$6,000.00)	6,000.00	6,000.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	25,000.00	25,000.00	0.00	0.00	0.00
	Legal Fees	25,000.00	25,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	1,500.00	1,500.00	0.00	0.00	0.00
	Security Services	600.00	600.00	0.00	0.00	0.00
	Legal Ads/ Notices	1,500.00	1,500.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 21.26 miles @ PV = \$5,000.00 per mile)	10,393.77	10,393.77	0.00	0.00	0.00

**COMBINED LD 1 AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3 and Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 3 vehicles @ PV = \$2,000.00 per vehicle)	6,000.00	6,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 3 vehicles @ PV = \$3,500.00 per vehicle)	10,500.00	10,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 21.26 miles @ PV = \$8,000.00 per mile)	16,630.03	16,630.03	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$14,481.98	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 3 vehicles @ PV = \$40,000.00 per vehicle)	11,732.47	11,732.47	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,861.86	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Star Bend Relief Well Pump Station - 2 Pumps - OMRR&R (Constructed 2005)						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$5,000.00)	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Estimated) - 1 year life cycle (PV = \$8,000.00)	8,000.00	8,000.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$7,000.00)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	2,030.10	2,030.10	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$6,500.00)	114.75	114.75	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$316,000.00)	5,578.59	5,578.59	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-10 Inch Prime Pumps - Model 10M10-2 STG - 10 year life cycle (PV = \$50,000.00)	9,777.06	9,777.06	0.00	0.00	0.00
	Motor Rebuild - 2-25 HP 240 Volt GE - 1180 RPM - 10 year life cycle (PV = \$8,500.00)	1,662.10	1,662.10	0.00	0.00	0.00
	Pump Station Replacement - 50 year life cycle (PV = \$180,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Star Bend PS - 25 year life cycle (PV = \$45,000.00)	1,694.33	1,694.33	0.00	0.00	0.00
Series 5500 - Yuba City RV Park Pipe Crossing - OMRR&R (Constructed 2016)						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	1,015.05	1,015.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	6,966.03	6,966.03	0.00	0.00	0.00

**COMBINED LD 1 AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3 and Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6000 - Feather River West Levee - Project Area C - Station 844+75 to 1132+61 - 28,786' - ROW width 185.0 feet - Acres 122.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$36,676.38	\$36,676.38	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,056.36	3,056.36	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,780.37	9,780.37	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,169.09	9,169.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,112.73	6,112.73	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,890.18	4,890.18	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,445.09	2,445.09	0.00	0.00	0.00
	Patrol Road O&M - 28,786 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,947.50)	10,554.09	10,554.09	0.00	0.00	0.00
	Patrol Road O&M - 10,800 feet of Aggregate Base Landside Toe of Levee - 10 year life cycle (PV = \$40,500.00)	3,959.71	3,959.71	0.00	0.00	0.00
	Piezometer - Replacement - Total of 16 Piezometers - 50 year life cycle (PV = \$15,000.00)	4,236.90	4,236.90	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 16 Piezometers - 5 year life cycle (PV = \$650.00)	2,059.30	2,059.30	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 16 Piezometers - 1 year life cycle (PV = \$536.00)	8,576.00	8,576.00	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1956 - Well Abandonment - Total of 38 - 50 year life cycle (PV = \$9,000.00)	6,037.59	6,037.59	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1991 - Well Abandonment - Total of 19 - 50 year life cycle (PV = \$9,000.00)	3,018.79	3,018.79	0.00	0.00	0.00
	Shanghai Bend Relief Wells - 1998 - Well Abandonment - Total of 23 - 50 year life cycle (PV = \$9,000.00)	3,654.33	3,654.33	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Replacement - Total of 4560 feet - 20 year life cycle (PV = \$684,000.00)	36,023.85	36,023.85	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 1998 - Annual O&M - Total of 4560 feet - 1 year life cycle (PV = \$2,280.00)	2,291.40	2,291.40	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Replacement - Total of 610 feet - 20 year life cycle (PV = \$91,500.00)	4,818.98	4,818.98	0.00	0.00	0.00
	Shanghai Bend RW Concrete Lined Ditch - 2014 - Annual O&M - Total of 610 feet - 1 year life cycle (PV = \$305.00)	306.53	306.53	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	UPRR Relief Well Field - Well Replacement and Abandonment of Existing - Total of 7 - 50 year life cycle (PV = \$90,500.00)	11,183.66	11,183.66	0.00	0.00	0.00
	UPRR Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	4,313.81	0.00	0.00	0.00
	UPRR Relief Well Field - Well Repair - Total of 2 Relief Wells - 20 year life cycle (PV = \$15,000.00)	1,429.99	1,429.99	0.00	0.00	0.00
	UPRR Relief Well Field - Pump Tests - Total of 7 Relief Wells - 5 year life cycle (PV = \$1,800.00)	2,494.93	2,494.93	0.00	0.00	0.00
	UPRR Relief Well Field - Swabbing and Cleaning - Total of 7 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,940.50	1,940.50	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Replacement - Total of 950 feet - 20 year life cycle (PV = \$142,500.00)	7,504.97	7,504.97	0.00	0.00	0.00
	UPRR Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 950 feet - 1 year life cycle (PV = \$475.00)	477.38	477.38	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	513.18	513.18	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	98,134.09	98,134.09	0.00	0.00	0.00

**COMBINED LD 1 AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3 and Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6100 - Feather River West Levee - Project Area B - Station 512+00 to 844+75 - 33,275' - ROW width 200.0 feet - Acres 152.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$15,277.78	\$15,277.78	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,819.44	3,819.44	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,222.22	12,222.22	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,458.33	11,458.33	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,638.89	7,638.89	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,111.11	6,111.11	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,055.56	3,055.56	0.00	0.00	0.00
	Patrol Road O&M - 33,275 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,781.25)	12,199.93	12,199.93	0.00	0.00	0.00
	Patrol Road O&M - 6,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$22,875.00)	2,236.50	2,236.50	0.00	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	3,177.68	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	1,544.48	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	6,432.00	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Replacement - Total of 12 - 50 year life cycle (PV = \$97,500.00)	20,654.90	20,654.90	0.00	0.00	0.00
	Site 7 Relief Well Field - Abandonment of Existing - Total of 12 - 50 year life cycle (PV = \$9,000.00)	1,906.61	1,906.61	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Failure Replacement - Total of 2 Relief Wells - 20 year life cycle (PV = \$90,500.00)	8,627.63	8,627.63	0.00	0.00	0.00
	Site 7 Relief Well Field - Well Repair - Total of 3 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,144.99	2,144.99	0.00	0.00	0.00
	Site 7 Relief Well Field - Pump Tests - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,800.00)	4,277.02	4,277.02	0.00	0.00	0.00
	Site 7 Relief Well Field - Swabbing and Cleaning - Total of 12 Relief Wells - 5 year life cycle (PV = \$1,400.00)	3,326.57	3,326.57	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Replacement - Total of 3060 feet - 20 year life cycle (PV = \$918,000.00)	48,347.80	48,347.80	0.00	0.00	0.00
	Site 7 RW 18 Inch Collection Pipe - 1998 - Annual O&M - Total of 3060 feet - 1 year life cycle (PV = \$765.00)	768.83	768.83	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Replacement - Total of 2520 feet - 20 year life cycle (PV = \$378,000.00)	19,907.92	19,907.92	0.00	0.00	0.00
	Site 7 RW Concrete Lined Ditch - 2016 - Annual O&M - Total of 2520 feet - 1 year life cycle (PV = \$1,260.00)	1,266.30	1,266.30	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	593.21	593.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,437.50	113,437.50	0.00	0.00	0.00
Series 6200 - Feather River West Levee - Project Area A - Station 280+04 to 512+00 - 23,196' - ROW width 175.0 feet - Acres 93.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,318.87	\$9,318.87	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,329.72	2,329.72	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,455.10	7,455.10	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,989.15	6,989.15	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,659.44	4,659.44	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,727.55	3,727.55	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,863.77	1,863.77	0.00	0.00	0.00
	Patrol Road O&M - 23,196 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$86,985.00)	8,504.57	8,504.57	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	413.53	413.53	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	57,111.36	57,111.36	0.00	0.00	0.00

**COMBINED LD 1 AND MA 3
ESTIMATED ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	LD 1 Funds	SBFCA Funds	USACE Obligation	Other Funds
MA 3 and Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6300 - Feather River West Levee - Project Area A - Station 10+00 to 280+04 - 27,004' - ROW width 175.0 feet - Acres 108.5 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,848.71	\$10,848.71	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,712.18	2,712.18	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,678.97	8,678.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,136.54	8,136.54	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,424.36	5,424.36	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,339.49	4,339.49	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,169.74	2,169.74	0.00	0.00	0.00
	Patrol Road O&M - 27,004 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$101,265.00)	9,900.74	9,900.74	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	481.42	481.42	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	66,487.12	66,487.12	0.00	0.00	0.00
		\$1,480,546.54	\$1,480,546.54	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	21.26	\$26,352.60
Capital Costs per mile	21.26	\$2,020.04
Pipe Crossing OMRR&R Cost per mile	21.26	\$2,494.40
Levee Operation and Maintenance per mile	21.26	\$23,003.74
Levee Repair, Rehabilitation, and Replacement per mile	21.26	\$15,764.14
Total Cost per mile	21.26	\$69,634.92
Current per mile	21.26	\$23,282.73

Urban Levee Only

Direct, Admin, & Operations Cost per mile	11.75	\$26,352.60
Capital Costs per mile	11.75	\$2,020.04
Urban Pipe Crossing OMRR&R Cost per mile	11.75	\$4,512.07
Urban Levee Operation and Maintenance per mile	11.75	\$33,277.36
Urban Levee Repair, Rehabilitation, and Replacement per mile	11.75	\$18,000.00
Total Cost per mile	11.75	\$84,162.08

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.51	\$26,352.60
Capital Costs per mile	9.51	\$2,020.04
Rural Pipe Crossing OMRR&R Cost per mile	9.51	\$0.00
Pump Station OMRR&R Cost per mile	9.51	\$0.00
Rural Levee Operation and Maintenance per mile	9.51	\$10,302.71
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.51	\$13,000.00
Total Cost per mile	9.51	\$51,675.36

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**MARYSVILLE LEVEE DISTRICT OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
Marysville Levee District Property Assessment	\$270,535.00
Other Supplement Income	\$0.00
USACE Obligation	\$0.00
Yuba County Water Agency - Contract O&M Services	\$0.00
Total Revenue	\$270,535.00
Deficient	(\$520,902.06)

Total Budget	\$791,437.06
Total Revenue	\$270,535.00
Reserve Funds	(\$520,902.06)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	Marysville LD Funds	Other Funds	USACE Obligation	YCWA Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$80,000.00) (1 - General Manager - \$80,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 - Administrative Assistant - \$20,000)	\$80,000.00	\$80,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$35,000.00) (0 - Superintendent - \$65,000, 0 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	35,000.00	35,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$4,600.00)	4,600.00	4,600.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$16,675.00)	16,675.00	16,675.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$9,775.00)	9,775.00	9,775.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$23,000.00)	23,000.00	23,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$4,025.00)	4,025.00	4,025.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$2,300.00)	2,300.00	2,300.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$3,450.00)	3,450.00	3,450.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$8,500.00	\$8,500.00	\$0.00	\$0.00	\$0.00
	Public Relations	0.00	0.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	15,000.00	15,000.00	0.00	0.00	0.00
	Legal Fees	15,000.00	15,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 8 year life cycle (PV = \$15,000.00)	1,842.43	1,842.43	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	0.00	0.00	0.00	0.00	0.00
	Uninsured Losses	0.00	0.00	0.00	0.00	0.00
	Computer software and hardware	1,500.00	1,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	1,500.00	1,500.00	0.00	0.00	0.00
	Office Supplies	1,000.00	1,000.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	0.00	0.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 11.38 miles @ PV = \$5,000.00 per mile)	5,563.15	5,563.15	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 2 vehicles @ PV = \$2,000.00 per vehicle)	4,000.00	4,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 2 vehicles @ PV = \$3,500.00 per vehicle)	7,000.00	7,000.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	6,397.78	6,397.78	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	14,928.15	14,928.15	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 11.38 miles @ PV = \$8,000.00 per mile)	8,901.03	8,901.03	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**MARYSVILLE LEVEE DISTRICT OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	Marysville LD Funds	Other Funds	USACE Obligation	YCWA Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor – Terratrac Aebi TT280 – 15 year life cycle (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 2 vehicles @ PV = \$40,000.00 per vehicle)	7,821.65	7,821.65	0.00	0.00	0.00
	Utility Trucks (2 ton) – 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig – 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower – 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 6000 - Simmerly Slough - Unit 1 - LM 0.00 to LM 3.25 - 17,160' - ROW width 185.0 feet - Acres 72.9 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$21,863.64	\$21,863.64	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,821.97	1,821.97	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	5,830.30	5,830.30	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,465.91	5,465.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,643.94	3,643.94	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,915.15	2,915.15	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$50.00/ac)	728.79	728.79	0.00	0.00	0.00
	Patrol Road O&M - 17,160 feet of Asphalt Concrete Overlay Top of Levee - 15 year life cycle (PV = \$217,181.25)	13,978.73	13,978.73	0.00	0.00	0.00
	Patrol Road O&M - 2,500 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$9,375.00)	916.60	916.60	0.00	0.00	0.00
	Piezometer - Replacement - Total of 4 Piezometers - 50 year life cycle (PV = \$15,000.00)	1,059.23	1,059.23	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 4 Piezometers - 5 year life cycle (PV = \$650.00)	514.83	514.83	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 4 Piezometers - 1 year life cycle (PV = \$536.00)	2,144.00	2,144.00	0.00	0.00	0.00
	Patrol Road O&M - 2,800 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$007.50)	0.00	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 3 - 50 year life cycle (PV = \$290,000.00)	15,358.77	15,358.77	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 3 - 1 year life cycle (PV = \$1,500.00)	4,500.00	4,500.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	305.92	305.92	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	58,500.00	58,500.00	0.00	0.00	0.00
Series 6100 - Feather River East Levee - Unit 2 - LM 0.00 to LM 1.27 - 6,706' - ROW width 200.0 feet - Acres 30.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$9,236.36	\$9,236.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	769.70	769.70	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,463.03	2,463.03	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,309.09	2,309.09	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,539.39	1,539.39	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,231.52	1,231.52	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	615.76	615.76	0.00	0.00	0.00
	Patrol Road O&M - 6,706 feet of Asphalt Concrete Overlay Top of Levee - 15 year life cycle (PV = \$84,867.75)	5,462.46	5,462.46	0.00	0.00	0.00
	Piezometer - Replacement - Total of 4 Piezometers - 50 year life cycle (PV = \$15,000.00)	1,059.23	1,059.23	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 4 Piezometers - 5 year life cycle (PV = \$650.00)	514.83	514.83	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 4 Piezometers - 1 year life cycle (PV = \$536.00)	2,144.00	2,144.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	5th Street Bridge Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	5th Street Bridge Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	119.54	119.54	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	22,860.00	22,860.00	0.00	0.00	0.00

**MARYSVILLE LEVEE DISTRICT OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	Marysville LD Funds	Other Funds	USACE Obligation	YCWA Funds
Levee District No. 1 of Sutter County - Operation and Maintenance Budget						
Series 6200 - Yuba River West Levee - Unit 3 - LM 0.00 to LM 3.03 - 15,998' - ROW width 175.0 feet - Acres 64.3 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$300.00/ac)	\$19,281.82	\$19,281.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,606.82	1,606.82	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	5,141.82	5,141.82	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	4,820.45	4,820.45	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,213.64	3,213.64	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,570.91	2,570.91	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,285.45	1,285.45	0.00	0.00	0.00
	Patrol Road O&M - 15,998 feet of Asphalt Concrete Overlay Top of Levee - 15 year life cycle (PV = \$202,479.75)	13,032.48	13,032.48	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	285.21	285.21	0.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	54,540.00	54,540.00	0.00	0.00	0.00
Series 6300 - Yuba River West Levee - Unit 3 - LM 3.03 to LM 6.86 - 20,222' - ROW width 175.0 feet - Acres 81.2 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,124.24	\$8,124.24	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,031.06	2,031.06	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	6,499.39	6,499.39	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,093.18	6,093.18	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,062.12	4,062.12	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,249.70	3,249.70	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,624.85	1,624.85	0.00	0.00	0.00
	Patrol Road O&M - 20,222 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$75,834.00)	7,414.33	7,414.33	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	360.52	360.52	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	49,790.00	49,790.00	0.00	0.00	0.00
		\$791,437.06	\$791,437.06	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	11.38	\$32,160.20
Capital Costs per mile	11.38	\$1,818.50
Pipe Crossing OMRR&R Cost per mile	11.38	\$0.00
Levee Operation and Maintenance per mile	11.38	\$19,250.39
Levee Repair, Rehabilitation, and Replacement per mile	11.38	\$16,317.22
Total Cost per mile	11.38	\$69,546.31
Current per mile	11.38	\$23,772.85

Urban Levee Only

Direct, Admin, & Operations Cost per mile	7.55	\$32,160.20
Capital Costs per mile	7.55	\$1,818.50
Urban Pipe Crossing OMRR&R Cost per mile	7.55	\$0.00
Urban Levee Operation and Maintenance per mile	7.55	\$23,789.41
Urban Levee Repair, Rehabilitation, and Replacement per mile	7.55	\$18,000.00
Total Cost per mile	7.55	\$75,768.11

Rural Levee Only

Direct, Admin, & Operations Cost per mile	3.83	\$32,160.20
Capital Costs per mile	3.83	\$1,818.50
Rural Pipe Crossing OMRR&R Cost per mile	3.83	\$0.00
Rural Levee Operation and Maintenance per mile	3.83	\$10,302.71
Rural Levee Repair, Rehabilitation, and Replacement per mile	3.83	\$13,000.00
Total Cost per mile	3.83	\$57,281.42

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**RECLAMATION DISTRICT NO. 10 OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 10 Property Levee Assessment	\$16,000.00
Other Supplement Income	\$0.00
RD 10 Property Drianage Assessment	\$0.00
Yuba County Water Agency - Contract O&M Services	\$0.00
Total Revenue	\$16,000.00
Deficient	(\$1,230,144.05)

Total Budget	\$1,246,144.05
Total Revenue	\$16,000.00
Reserve Funds	(\$1,230,144.05)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD 10 Levee Funds	Other Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 10 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$0.00) (1 - General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$45,000.00) (0 - Superintendent - \$65,000, 0 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	45,000.00	45,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$1,800.00)	1,800.00	1,800.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$6,525.00)	6,525.00	6,525.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$3,825.00)	3,825.00	3,825.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$9,000.00)	9,000.00	9,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$1,575.00)	1,575.00	1,575.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$900.00)	900.00	900.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$1,350.00)	1,350.00	1,350.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	15,000.00	15,000.00	0.00	0.00	0.00
	Legal Fees	25,000.00	25,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	6,500.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,721.99	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	2,000.00	2,000.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	18,000.00	18,000.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	0.00	0.00	0.00	0.00	0.00
	Office Supplies	1,000.00	1,000.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	0.00	0.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 20.42 miles @ PV = \$5,000.00 per mile)	9,982.38	9,982.38	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	0.00	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 2 vehicles @ PV = \$2,000.00 per vehicle)	4,000.00	4,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 2 vehicles @ PV = \$3,500.00 per vehicle)	7,000.00	7,000.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	0.00	0.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$150,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 20.42 miles @ PV = \$8,000.00 per mile)	15,971.80	15,971.80	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 10 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 10 Levee Funds	Other Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 10 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 2 vehicles @ PV = \$40,000.00 per vehicle)	7,821.65	7,821.65	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Unit 1 - Gravity Pipe Crossing - (Total of 12) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 12 pipe crossings)	\$18,000.00	\$18,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 12 pipe crossings)	8,316.42	8,316.42	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 12 pipe crossings)	116,514.80	116,514.80	0.00	0.00	0.00
Series 5500 - Unit 2 - Gravity Pipe Crossing - (Total of 22) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 22 pipe crossings)	\$33,000.00	\$33,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 22 pipe crossings)	15,246.77	15,246.77	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 22 pipe crossings)	213,610.47	213,610.47	0.00	0.00	0.00
Series 5600 - Unit 3 - Gravity Pipe Crossing - (Total of 3) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 3 pipe crossings)	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 3 pipe crossings)	2,079.10	2,079.10	0.00	0.00	0.00
	Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 3 pipe crossings)	29,128.70	29,128.70	0.00	0.00	0.00
Series 6000 - Right Bank of Simerly Slough - Unit No. 1 - LM 0.00 to LM 7.68 - 40,550' - ROW width 185.0 feet - Acres 172.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$17,221.82	\$17,221.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	4,305.45	4,305.45	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	13,777.45	13,777.45	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	12,916.36	12,916.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	8,610.91	8,610.91	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,888.73	6,888.73	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	1,722.18	1,722.18	0.00	0.00	0.00
	Patrol Road O&M - 40,550 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$152,064.00)	14,867.38	14,867.38	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	5,119.59	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	722.92	722.92	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	99,840.00	99,840.00	0.00	0.00	0.00
Series 6100 - Feather River West Levee - Unit No. 2 - LM 0.00 to LM 11.24 - 59,347' - ROW width 200.0 feet - Acres 272.5 acres - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$27,248.48	\$27,248.48	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	6,812.12	6,812.12	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	21,798.79	21,798.79	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	20,436.36	20,436.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	13,624.24	13,624.24	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	10,899.39	10,899.39	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	2,724.85	2,724.85	0.00	0.00	0.00
	Patrol Road O&M - 59,347 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$222,552.00)	21,759.04	21,759.04	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	1,058.02	1,058.02	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	146,120.00	146,120.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 10 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 10 Levee Funds	Other Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 10 of Yuba County - Operation and Maintenance Budget						
Series 6200 - Honcut Creek South Levee - Unit No. 3 - LM 0.00 to LM 1.50 - 7,920' - ROW width 175.0 feet - Acres 31.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,181.82	\$3,181.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	795.45	795.45	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,545.45	2,545.45	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,386.36	2,386.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,590.91	1,590.91	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,272.73	1,272.73	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	318.18	318.18	0.00	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	2,903.79	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	141.19	141.19	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	19,500.00	0.00	0.00	0.00
		\$1,246,144.05	\$1,246,144.05	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	20.42	\$14,151.65
Capital Costs per mile	20.42	\$1,013.44
Pipe Crossing OMRR&R Cost per mile	20.42	\$21,566.91
Levee Operation and Maintenance per mile	20.42	\$11,293.66
Levee Repair, Rehabilitation, and Replacement per mile	20.42	\$13,000.00
Total Cost per mile	20.42	\$61,025.66
Current per mile	20.42	\$783.55

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 784 Property Levee Assessment	\$250,155.64
TRLIA Supplement Income	\$858,654.85
RD 784 Property Drainage Assessment	\$439,000.00
CSA 66 Assessment	\$100,833.49
County of Yuba - O&M Contract Services	\$15,000.00
Total Revenue	\$1,663,643.98
Deficient	(\$779,058.30)

Levee Budget	\$2,442,702.28
Levee Revenue	\$1,108,810.49
Levee Shortage	\$1,333,891.79

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$180,000.00) (General Manager - \$140,000, 1 - Bookkeeper/Office Manager - \$40,000, and 0 - Administrative Assistant - \$20,000)	\$180,000.00	\$48,600.00	\$86,400.00	\$45,000.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$225,000.00) (0-Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 1 - Maintenance I Labors - \$35,000)	225,000.00	60,750.00	108,000.00	56,250.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$45,000.00)	45,000.00	12,150.00	21,600.00	11,250.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	1,822.50	3,240.00	1,687.50	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$58,725.00)	58,725.00	15,855.75	28,188.00	14,681.25	0.00
	Retirement/Pension Liability - 1 year life cycle (PV = \$34,425.00)	34,425.00	9,294.75	16,524.00	8,606.25	0.00
	Medical/Health - 1 year life cycle (PV = \$145,800.00)	145,800.00	39,366.00	69,984.00	36,450.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$14,175.00)	14,175.00	3,827.25	6,804.00	3,543.75	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$8,100.00)	8,100.00	2,187.00	3,888.00	2,025.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$12,150.00)	12,150.00	3,280.50	5,832.00	3,037.50	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$25,000.00	\$6,750.00	\$12,000.00	\$6,250.00	\$0.00
	Public Relations	3,500.00	945.00	1,680.00	875.00	0.00
	Independent Audit Consulting	10,000.00	2,700.00	4,800.00	2,500.00	0.00
	Engineering Consulting	50,000.00	13,500.00	24,000.00	12,500.00	0.00
	Legal Fees	50,000.00	13,500.00	24,000.00	12,500.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	1,755.00	3,120.00	1,625.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	3,049.80	5,421.87	2,823.89	0.00
	Trustee Election Expense - 2 year life cycle (PV = \$15,000.00)	7,481.30	2,019.95	3,591.02	1,870.32	0.00
	County and City Fees, Permits, and Licenses	5,500.00	1,485.00	2,640.00	1,375.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	675.00	1,200.00	625.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	32,000.00	8,640.00	15,360.00	8,000.00	0.00
	Insurance - Deductibles	2,500.00	675.00	1,200.00	625.00	0.00
	Uninsured Losses	2,000.00	540.00	960.00	500.00	0.00
	Computer software and hardware - 3 year life cycle (PV = \$22,000.00)	7,296.79	1,970.13	3,502.46	1,824.20	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	4,628.00	1,249.56	2,221.44	1,157.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	135.00	240.00	125.00	0.00
	Office Repairs	2,000.00	540.00	960.00	500.00	0.00
	Office Supplies	1,500.00	405.00	720.00	375.00	0.00
	Safety Equipment and Safety Training - 3 year life cycle (PV = \$10,000.00)	3,316.72	895.51	1,592.03	829.18	0.00
	Flood Fight Training	5,000.00	1,350.00	2,400.00	1,250.00	0.00
	Uniforms	3,000.00	810.00	1,440.00	750.00	0.00
	Security Services	2,640.00	712.80	1,267.20	660.00	0.00
	Legal Ads/ Notices	1,500.00	405.00	720.00	375.00	0.00
	Newspaper Service	200.00	54.00	96.00	50.00	0.00
	Contingency Fund - 10 year return period (based on total of 33.18 miles @ PV = \$5,000.00 per mile)	16,220.14	4,379.44	7,785.67	4,055.03	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$6,000.00)	\$6,000.00	\$1,620.00	\$2,880.00	\$1,500.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	945.00	1,680.00	875.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 5 vehicles @ PV = \$3,500.00 per vehicle)	17,500.00	4,725.00	8,400.00	4,375.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 5 vehicles @ PV = \$5,000.00 per vehicle)	25,000.00	6,750.00	12,000.00	6,250.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	4,628.00	1,249.56	2,221.44	1,157.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$2,500.00)	2,500.00	675.00	1,200.00	625.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	405.00	720.00	375.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$400,000.00)	15,060.74	4,066.40	7,229.16	3,765.19	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$800,000.00)	30,121.49	8,132.80	14,458.31	7,530.37	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 33.18 miles @ PV = \$8,000.00 per mile)	25,952.22	7,007.10	12,457.07	6,488.06	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	3,375.00	6,000.00	3,125.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$3,910.14	\$6,951.35	\$3,620.50	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 5 vehicles @ PV = \$40,000.00 per vehicle)	19,554.11	5,279.61	9,385.97	4,888.53	0.00
	Utility Trucks (2 ton) - 10 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	5,866.23	\$1,583.88	2,815.79	1,466.56	0.00
	Spray Rig - 15 year life cycle (based on total of 1 spray rig @ PV = \$80,000.00 per spray rig)	5,149.15	1,390.27	2,471.59	1,287.29	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	\$0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	3,475.68	6,178.98	3,218.22	0.00
Series 5400 - Unit 2B - Pipe Crossing - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$780.00	\$720.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	360.38	332.66	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	514.83	475.22	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	5,048.97	4,660.59	0.00	0.00
Series 5500 - Unit 3A - Pipe Crossing - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$780.00	\$720.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	360.38	332.66	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	514.83	475.22	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	5,048.97	4,660.59	0.00	0.00
Series 5600 - Unit 3B - Pipe Crossing - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$1,560.00	\$1,440.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	720.76	665.31	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,029.65	950.45	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	10,097.95	9,321.18	0.00	0.00
Series 5700 - Unit 5 - Pipe Crossing - (Total of 9) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 9 pipe crossings)	\$13,500.00	\$7,020.00	\$6,480.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 9 pipe crossings)	6,237.31	3,243.40	2,993.91	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 9 pipe crossings)	8,910.45	4,633.43	4,277.02	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 9 pipe crossings)	87,386.10	45,440.77	41,945.33	0.00	0.00
Series 6000 - Yuba River South Levee - Unit No. 1 - LM 0.00 to LM 2.22 - 11,722' - ROW width 185.0 feet - Acres 49.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$200.00/ac)	\$9,956.36	\$5,177.31	\$4,779.05	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,244.55	647.16	597.38	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	3,982.55	2,070.92	1,911.62	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	3,733.64	1,941.49	1,792.15	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,489.09	1,294.33	1,194.76	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,991.27	1,035.46	955.81	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	995.64	517.73	477.91	0.00	0.00
	Patrol Road O&M - 11,722 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$43,956.00)	4,297.60	2,234.75	2,062.85	0.00	0.00
	Patrol Road O&M - 3,350 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,562.50)	1,228.24	638.69	589.56	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 2 - 50 year life cycle (PV = \$290,000.00)	10,239.18	5,324.37	4,914.81	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 2 - 1 year life cycle (PV = \$1,500.00)	3,000.00	1,560.00	1,440.00	0.00	0.00
	Fences and Gates - 5 year life cycle (PV = \$6,000.00/mi)	2,637.49	1,371.50	1,266.00	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	39,960.00	20,779.20	19,180.80	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 6100 - Feather River East Levee - Unit No. 2A - LM 0.00 to LM 2.75 - 14,520' - ROW width 200.0 feet - Acres 66.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$200.00/ac)	\$13,333.33	\$6,933.33	\$6,400.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,666.67	866.67	800.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	5,333.33	2,773.33	2,560.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,000.00	2,600.00	2,400.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,333.33	1,733.33	1,600.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,666.67	1,386.67	1,280.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,333.33	693.33	640.00	0.00	0.00
	Patrol Road O&M - 14,520 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$54,450.00)	5,323.61	2,768.28	2,555.33	0.00	0.00
	Patrol Road O&M - 5,500 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$20,625.00)	2,016.52	1,048.59	967.93	0.00	0.00
	Piezometer - Replacement - Total of 7 Piezometers - 50 year life cycle (PV = \$15,000.00)	1,853.64	963.90	889.75	0.00	0.00
	Piezometer - Annual O&M - Total of 7 Piezometers - 5 year life cycle (PV = \$650.00)	900.95	468.49	432.45	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 7 Piezometers - 1 year life cycle (PV = \$536.00)	3,752.00	1,951.04	1,800.96	0.00	0.00
	Fences and Gates - 5 year life cycle (PV = \$6,000.00/mi)	3,267.16	1,698.93	1,568.24	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	49,500.00	25,740.00	23,760.00	0.00	0.00
Series 6200 - Feather River East Levee - Unit No. 9 - LM 0.00 to LM 5.74 - 30,307' - ROW width 200.0 feet - Acres 139.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$150.00/ac)	\$20,872.73	\$10,853.82	\$10,018.91	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,478.79	1,808.97	1,669.82	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	11,132.12	5,788.70	5,343.42	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	10,436.36	5,426.91	5,009.45	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,957.58	3,617.94	3,339.64	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,566.06	2,894.35	2,671.71	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	2,783.03	1,447.18	1,335.85	0.00	0.00
	Patrol Road O&M - 30,307 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$113,652.00)	11,111.82	5,778.15	5,333.67	0.00	0.00
	Patrol Road O&M - 30,307 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$113,652.00)	7,315.14	3,803.87	3,511.27	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	1,101.59	1,016.86	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	535.42	494.23	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	2,229.76	2,058.24	0.00	0.00
	Unit 9 Relief Well Field - Well Replacement and Abandonment of Existing - Total of 26 - 50 year life cycle (PV = \$90,500.00)	41,539.29	21,600.43	19,938.86	0.00	0.00
	Unit 9 Relief Well Field - Well Failure Replacement - Total of 4 Relief Wells - 20 year life cycle (PV = \$90,500.00)	17,255.26	8,972.73	8,282.52	0.00	0.00
	Unit 9 Relief Well Field - Well Repair - Total of 4 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,859.99	1,487.19	1,372.79	0.00	0.00
	Unit 9 Relief Well Field - Pump Tests - Total of 26 Relief Wells - 5 year life cycle (PV = \$1,800.00)	9,266.87	4,818.77	4,448.10	0.00	0.00
	Unit 9 Relief Well Field - Swabbing and Cleaning - Total of 26 Relief Wells - 5 year life cycle (PV = \$1,400.00)	7,207.56	3,747.93	3,459.63	0.00	0.00
	Unit 9 Relief Well Field Concrete Lined Ditch - Replacement - Total of 1480 feet - 20 year life cycle (PV = \$222,000.00)	10,581.95	5,502.62	5,079.34	0.00	0.00
	Unit 9 Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 1480 feet - 1 year life cycle (PV = \$740.00)	740.00	384.80	355.20	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	3,367.22	1,750.95	1,616.26	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	103,320.00	53,726.40	49,593.60	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 6300 - Feather River East Levee - Unit No. 2B - LM 8.96 to LM 12.58 - 19,114' - ROW width 200.0 feet - Acres 87.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$150.00/ac)	\$13,163.64	\$6,845.09	\$6,318.55	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,193.94	1,140.85	1,053.09	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,020.61	3,650.72	3,369.89	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,581.82	3,422.55	3,159.27	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,387.88	2,281.70	2,106.18	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,510.30	1,825.36	1,684.95	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,755.15	912.68	842.47	0.00	0.00
	Patrol Road O&M - 19,114 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$71,676.00)	7,007.80	3,644.06	3,363.75	0.00	0.00
	Patrol Road O&M - 4,300 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$16,125.00)	1,576.55	819.81	756.74	0.00	0.00
	Inclinometers - Replacement - Total of 10 Inclinometers - 50 year life cycle (PV = \$20,000.00)	3,530.75	1,835.99	1,694.76	0.00	0.00
	Inclinometers - Annual O&M - Total of 10 Inclinometers - 5 year life cycle (PV = \$650.00)	1,287.06	669.27	617.79	0.00	0.00
	Inclinometers - Bi-Annual Reading and Reporting - Total of 10 Piezometers - 1 year life cycle (PV = \$536.00)	5,360.00	2,787.20	2,572.80	0.00	0.00
	Piezometer - Replacement - Total of 10 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,648.06	1,376.99	1,271.07	0.00	0.00
	Piezometer - Annual O&M - Total of 10 Piezometers - 5 year life cycle (PV = \$650.00)	1,287.06	669.27	617.79	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 10 Piezometers - 1 year life cycle (PV = \$536.00)	5,360.00	2,787.20	2,572.80	0.00	0.00
	Unit 2B Relief Well Field - Well Replacement and Abandonment of Existing - Total of 36 - 50 year life cycle (PV = \$90,500.00)	57,515.94	29,908.29	27,607.65	0.00	0.00
	Unit 2B Relief Well Field - Well Failure Replacement - Total of 5 Relief Wells - 20 year life cycle (PV = \$90,500.00)	21,569.07	11,215.92	10,353.15	0.00	0.00
	Unit 2B Relief Well Field - Well Repair - Total of 5 Relief Wells - 20 year life cycle (PV = \$15,000.00)	3,574.98	1,858.99	1,715.99	0.00	0.00
	Unit 2B Relief Well Field - Pump Tests - Total of 36 Relief Wells - 5 year life cycle (PV = \$1,800.00)	12,831.05	6,672.14	6,158.90	0.00	0.00
	Unit 2B Relief Well Field - Swabbing and Cleaning - Total of 36 Relief Wells - 5 year life cycle (PV = \$1,400.00)	9,979.70	5,189.45	4,790.26	0.00	0.00
	Unit 2B Relief Well Field Concrete Lined Ditch - Replacement - Total of 3900 feet - 20 year life cycle (PV = \$585,000.00)	27,884.87	14,500.13	13,384.74	0.00	0.00
	Unit 2B Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 3900 feet - 1 year life cycle (PV = \$1,950.00)	1,950.00	1,014.00	936.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	2,123.58	1,104.26	1,019.32	0.00	0.00
	Annual Bank Monitoring and Reporting - Starr Bend Area - 1 year life cycle (PV = \$4,440.00)	4,440.00	2,308.80	2,131.20	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	65,160.00	33,883.20	31,276.80	0.00	0.00
Series 6400 - Bear River North Levee - Unit No. 8 - LM 0.00 to LM 1.95 - 10,296' - ROW width 200.0 feet - Acres 47.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$150.00/ac)	\$7,090.91	\$3,687.27	\$3,403.64	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,181.82	614.55	567.27	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	3,781.82	1,966.55	1,815.27	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	3,545.45	1,843.64	1,701.82	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,363.64	1,229.09	1,134.55	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,890.91	983.27	907.64	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	945.45	491.64	453.82	0.00	0.00
	Patrol Road O&M - 10,296 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$38,610.00)	3,774.92	1,962.96	1,811.96	0.00	0.00
	Patrol Road O&M - 10,200 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$38,250.00)	2,461.94	1,280.21	1,181.73	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	1,652.39	1,525.28	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	803.13	741.35	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	3,344.64	3,087.36	0.00	0.00
	Unit 8 Relief Well Field - Well Replacement and Abandonment of Existing - Total of 4 - 50 year life cycle (PV = \$90,500.00)	6,390.66	3,323.14	3,067.52	0.00	0.00
	Unit 8 Relief Well Field - Well Failure Replacement - Total of 1 Relief Wells - 20 year life cycle (PV = \$90,500.00)	4,313.81	2,243.18	2,070.63	0.00	0.00
	Unit 8 Relief Well Field - Well Repair - Total of 1 Relief Wells - 20 year life cycle (PV = \$15,000.00)	715.00	371.80	343.20	0.00	0.00
	Unit 8 Relief Well Field - Pump Tests - Total of 4 Relief Wells - 5 year life cycle (PV = \$1,800.00)	1,425.67	741.35	684.32	0.00	0.00
	Unit 8 Relief Well Field - Swabbing and Cleaning - Total of 4 Relief Wells - 5 year life cycle (PV = \$1,400.00)	1,108.86	576.61	532.25	0.00	0.00
	Unit 8 Relief Well Field Concrete Lined Ditch - Replacement - Total of 8470 feet - 20 year life cycle (PV = \$1,270,500.00)	60,560.23	31,491.32	29,068.91	0.00	0.00
	Unit 8 Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 8470 feet - 1 year life cycle (PV = \$4,235.00)	4,235.00	2,202.20	2,032.80	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	1,143.92	594.84	549.08	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	35,100.00	18,252.00	16,848.00	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 6500 - Bear River North Levee - Unit No. 3A - LM 2.48 to LM 3.21 - 3,854' - ROW width 200.0 feet - Acres 17.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$1,769.70	\$920.24	\$849.45	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	442.42	230.06	212.36	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	1,415.76	736.19	679.56	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,327.27	690.18	637.09	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	884.85	460.12	424.73	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	707.88	368.10	339.78	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	353.94	184.05	169.89	0.00	0.00
	Patrol Road O&M - 3,854 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$14,454.00)	1,413.18	734.85	678.32	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$7,875.00)	769.94	400.37	369.57	0.00	0.00
	Piezometer - Replacement - Total of 12 Piezometers - 50 year life cycle (PV = \$15,000.00)	3,177.68	1,652.39	1,525.28	0.00	0.00
	Piezometer - Annual O&M - Total of 12 Piezometers - 5 year life cycle (PV = \$650.00)	1,544.48	803.13	741.35	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 12 Piezometers - 1 year life cycle (PV = \$536.00)	6,432.00	3,344.64	3,087.36	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 50 year life cycle (PV = \$290,000.00)	5,119.59	2,662.19	2,457.40	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	780.00	720.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	428.24	222.68	205.55	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	13,140.00	6,832.80	6,307.20	0.00	0.00
Series 6600 - WPIC West Levee - Unit No. 4 - LM 0.00 to LM 6.30 - 33,264' - ROW width 200.0 feet - Acres 152.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$15,272.73	\$7,941.82	\$7,330.91	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,818.18	1,985.45	1,832.73	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	12,218.18	6,353.45	5,864.73	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	11,454.55	5,956.36	5,498.18	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	7,636.36	3,970.91	3,665.45	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	6,109.09	3,176.73	2,932.36	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	3,054.55	1,588.36	1,466.18	0.00	0.00
	Patrol Road O&M - 33,264 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$124,740.00)	12,195.90	6,341.87	5,854.03	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$7,875.00)	769.94	400.37	369.57	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	3,695.73	1,921.78	1,773.95	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	113,400.00	58,968.00	54,432.00	0.00	0.00
Series 6700 - Yuba River North Levee - Unit No. 7 - LM 0.00 to LM 3.91 - 20,645' - ROW width 200.0 feet - Acres 94.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,478.79	\$4,928.97	\$4,549.82	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,369.70	1,232.24	1,137.45	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,583.03	3,943.18	3,639.85	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,109.09	3,696.73	3,412.36	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,739.39	2,464.48	2,274.91	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,791.52	1,971.59	1,819.93	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,895.76	985.79	909.96	0.00	0.00
	Patrol Road O&M - 20,645 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$77,418.00)	7,569.20	3,935.99	3,633.22	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$7,875.00)	769.94	400.37	369.57	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	2,293.70	1,192.72	1,100.97	0.00	0.00
	Long Term Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi)	70,380.00	36,597.60	33,782.40	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 6800 - Bear River North Levee - Unit No. 3B - LM 3.23 to LM 4.73 - 7,920' - ROW width 175.0 feet - Acres 31.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,181.82	\$0.00	\$3,181.82	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	795.45	0.00	795.45	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,545.45	0.00	2,545.45	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,386.36	0.00	2,386.36	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,590.91	0.00	1,590.91	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,272.73	0.00	1,272.73	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	636.36	330.91	305.45	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	0.00	2,903.79	0.00	0.00
	Fences and Gates - 15 year life cycle (PV = \$6,000.00/mi)	579.28	0.00	579.28	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	0.00	19,500.00	0.00	0.00
Series 6900 - South Dry Creek North Levee - Unit No. 6 - LM 0.00 to LM 0.25 - 1,320' - ROW width 175.0 feet - Acres 5.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$530.30	\$0.00	\$530.30	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	132.58	0.00	132.58	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	424.24	0.00	424.24	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	397.73	0.00	397.73	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	265.15	0.00	265.15	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	212.12	0.00	212.12	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	106.06	55.15	50.91	0.00	0.00
	Patrol Road O&M - 1,320 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$4,950.00)	483.96	0.00	483.96	0.00	0.00
	Fences and Gates - 15 year life cycle (PV = \$6,000.00/mi)	96.55	0.00	96.55	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	3,250.00	0.00	3,250.00	0.00	0.00

**RECLAMATION DISTRICT NO. 784 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	TRLIA 784 Levee Funds	RD 784 Levee Funds	RD 784 Drainage Funds	CSA 66 Funds
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget						
Series 6950 - WPIC East Levee - Unit No. 5 - LM 0.00 to LM 4.21 - 22,229' - ROW width 175.0 feet - Acres 89.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,930.30	\$0.00	\$8,930.30	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,232.58	0.00	2,232.58	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,144.24	0.00	7,144.24	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,697.73	0.00	6,697.73	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,465.15	0.00	4,465.15	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,572.12	0.00	3,572.12	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$100.00/ac)	1,786.06	928.75	857.31	0.00	0.00
	Patrol Road O&M - 22,229 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$83,358.00)	8,149.96	0.00	8,149.96	0.00	0.00
	Fences and Gates - 15 year life cycle (PV = \$6,000.00/mi)	1,625.84	0.00	1,625.84	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	54,730.00	0.00	54,730.00	0.00	0.00
		\$2,739,799.86	\$1,055,788.25	\$1,386,914.03	\$297,097.58	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	33.18	\$25,553.03
Capital Costs per mile	33.18	\$1,309.32
Pipe Crossing OMRR&R Cost per mile	33.18	\$5,051.37
Levee Operation and Maintenance per mile	33.18	\$24,604.13
Levee Repair, Rehabilitation, and Replacement per mile	33.18	\$17,101.87
Total Cost per mile	33.18	\$73,619.72
Current per mile	33.18	\$33,418.04

Urban Levee Only

Direct, Admin, & Operations Cost per mile	27.22	\$25,553.03
Capital Costs per mile	27.22	\$1,309.32
Urban Pipe Crossing OMRR&R Cost per mile	27.22	\$947.29
Urban Levee Operation and Maintenance per mile	27.22	\$27,671.57
Urban Levee Repair, Rehabilitation, and Replacement per mile	27.22	\$18,000.00
Total Cost per mile	27.22	\$73,481.22

Rural Levee Only

Direct, Admin, & Operations Cost per mile	5.96	\$25,553.03
Capital Costs per mile	5.96	\$1,309.32
Rural Pipe Crossing OMRR&R Cost per mile	5.96	\$23,795.16
Rural Levee Operation and Maintenance per mile	5.96	\$10,594.77
Rural Levee Repair, Rehabilitation, and Replacement per mile	5.96	\$13,000.00
Total Cost per mile	5.96	\$74,252.28

Internal Drainage per Acre

Internal Drainage per acre	15,100.00	\$19.68
Current Internal Drainage per acre	15,100.00	\$35.75

**RECLAMATION DISTRICT NO. 817 OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 817 Property Levee Assessment	\$17,000.00
City of Wheatland Supplement Income	\$0.00
RD 817 Property Drainage Assessment	\$0.00
Yuba County Water Agency Supplemental Income	\$0.00
County of Yuba - O&M Contract Services	\$0.00
Total Revenue	\$17,000.00
Deficient	(\$485,493.62)

Total Budget	\$502,493.62
Total Revenue	\$17,000.00
Reserve Funds	(\$485,493.62)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$0.00) (0 - General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$40,000.00) (0-Superintendent - \$65,000, 0 - Maintenance III Worker - \$45,000, 1 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	40,000.00	40,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$1,600.00)	1,600.00	1,600.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$5,800.00)	5,800.00	5,800.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$3,400.00)	3,400.00	3,400.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$14,400.00)	14,400.00	14,400.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$1,400.00)	1,400.00	1,400.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$800.00)	800.00	800.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$1,200.00)	1,200.00	1,200.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$8,750.00	\$8,750.00	\$0.00	\$0.00	\$0.00
	Public Relations	0.00	0.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Legal Fees	7,500.00	7,500.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	1,300.00	1,300.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$225,000.00)	0.00	0.00	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$7,500.00)	1,861.00	1,861.00	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	0.00	0.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	0.00	0.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	0.00	0.00	0.00	0.00	0.00
	Computer software and hardware	0.00	0.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	0.00	0.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	0.00	0.00	0.00	0.00	0.00
	Office Repairs	0.00	0.00	0.00	0.00	0.00
	Office Supplies	0.00	0.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	0.00	0.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	0.00	0.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 9.19 miles @ PV = \$5,000.00 per mile)	4,492.56	4,492.56	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 1 vehicles @ PV = \$2,000.00 per vehicle)	2,000.00	2,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 1 vehicles @ PV = \$3,500.00 per vehicle)	3,500.00	3,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 9.19 miles @ PV = \$8,000.00 per mile)	7,188.09	7,188.09	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle - (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 1 vehicles @ PV = \$40,000.00 per vehicle)	3,910.82	3,910.82	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - RD 817 Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5500 - RD 817 Unit 2 - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 5600 - RD 817 Unit 3 - Pipe Crossings - (Total of 3) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 3 pipe crossings)	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 3 pipe crossings)	2,079.10	2,079.10	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 3 pipe crossings)	2,970.15	2,970.15	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 3 pipe crossings)	29,128.70	29,128.70	0.00	0.00	0.00
Series 6000 - South Levee of Dry Creek Levee - RD 817 Unit No. 1 - LM 0.00 to LM 3.82 - 20,170' - ROW width 185.0 feet - Acres 85.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,566.06	\$8,566.06	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,141.52	2,141.52	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	6,852.85	6,852.85	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,424.55	6,424.55	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,283.03	4,283.03	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,426.42	3,426.42	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,713.21	1,713.21	0.00	0.00	0.00
	Patrol Road O&M - 20,170 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$75,636.00)	7,394.98	7,394.98	0.00	0.00	0.00
	Patrol Road O&M - 3,350 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,562.50)	1,228.24	1,228.24	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	359.58	359.58	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	49,660.00	49,660.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 6100 - North Levee of Bear River - RD 817 Unit No. 2 - LM 0.00 to LM 3.87 - 20,434' - ROW width 200.0 feet - Acres 93.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,381.82	\$9,381.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,345.45	2,345.45	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,505.45	7,505.45	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,036.36	7,036.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,690.91	4,690.91	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,752.73	3,752.73	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,876.36	1,876.36	0.00	0.00	0.00
	Patrol Road O&M - 20,434 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$76,626.00)	7,491.77	7,491.77	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	364.28	364.28	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	50,310.00	50,310.00	0.00	0.00	0.00
Series 6200 - North Levee of Dry Creek - RD 817 Unit No. 6 - LM 0.00 to LM 1.50 - 7,920' - ROW width 200.0 feet - Acres 36.4 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,636.36	\$3,636.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	909.09	909.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,909.09	2,909.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,727.27	2,727.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,818.18	1,818.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,454.55	1,454.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	727.27	727.27	0.00	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	2,903.79	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	141.19	141.19	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	19,500.00	0.00	0.00	0.00
		\$502,493.62	\$502,493.62	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	9.19	\$20,111.17
Capital Costs per mile	9.19	\$1,826.30
Pipe Crossing OMRR&R Cost per mile	9.19	\$4,208.70
Levee Operation and Maintenance per mile	9.19	\$11,323.44
Levee Repair, Rehabilitation, and Replacement per mile	9.19	\$13,000.00
Total Cost per mile	9.19	\$50,469.60
Current per mile	9.19	\$1,849.84

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Urban Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Urban Levee Operation and Maintenance per mile	0.00	\$0.00
Urban Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.19	\$20,111.17
Capital Costs per mile	9.19	\$1,826.30
Rural Pipe Crossing OMRR&R Cost per mile	9.19	\$4,208.70
Rural Levee Operation and Maintenance per mile	9.19	\$11,323.44
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.19	\$13,000.00
Total Cost per mile	9.19	\$50,469.60

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**RECLAMATION DISTRICT NO. 817, 2103, AND HORSESHOE OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 817/2103/Horse Property Levee Assessment	\$119,284.82
City of Wheatland Supplement Income	\$0.00
RD 817/2103/Horse Property Drainage Assessment	\$0.00
Yuba County Water Agency Supplemental Income	\$0.00
County of Yuba - O&M Contract Services	\$0.00
Total Revenue	\$119,284.82
Deficient	(\$1,294,469.45)

Total Budget	\$1,413,754.27
Total Revenue	\$119,284.82
Reserve Funds	(\$1,294,469.45)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD Levee Funds	Wheatland Levee Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 817/2103/Horseshoe of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$80,000.00) (General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 1 -Administrative Assistant - \$20,000)	\$80,000.00	\$80,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$45,000.00) (0-Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	45,000.00	45,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$5,000.00)	5,000.00	5,000.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$18,125.00)	18,125.00	18,125.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$10,625.00)	10,625.00	10,625.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$45,000.00)	45,000.00	45,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$4,375.00)	4,375.00	4,375.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$2,500.00)	2,500.00	2,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$3,750.00)	3,750.00	3,750.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$12,000.00	\$12,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	25,000.00	25,000.00	0.00	0.00	0.00
	Legal Fees	25,000.00	25,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	1,300.00	1,300.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	11,295.56	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$7,500.00)	1,861.00	1,861.00	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	0.00	0.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 25.95 miles @ PV = \$5,000.00 per mile)	12,686.81	12,686.81	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 2 vehicles @ PV = \$2,000.00 per vehicle)	4,000.00	4,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 2 vehicles @ PV = \$3,500.00 per vehicle)	7,000.00	7,000.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 25.95 miles @ PV = \$8,000.00 per mile)	20,298.89	20,298.89	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817, 2103, AND HORSESHOE OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD Levee Funds	Wheatland Levee Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 817/2103/Horseshoe of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrae Aebi TT280 - 15 year life cycle - (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 2 vehicles @ PV = \$40,000.00 per vehicle)	7,821.65	7,821.65	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - RD 817 Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5500 - RD 817 Unit 2 - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 5600 - RD 817 Unit 3 - Pipe Crossings - (Total of 3) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 3 pipe crossings)	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 3 pipe crossings)	2,079.10	2,079.10	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 3 pipe crossings)	2,970.15	2,970.15	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 3 pipe crossings)	29,128.70	29,128.70	0.00	0.00	0.00
Series 5700 - RD 2103 Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5800 - RD 2103 Unit 2 - Pipe Crossings - (Total of 5) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 5 pipe crossings)	\$7,500.00	\$7,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 5 pipe crossings)	3,465.17	3,465.17	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 5 pipe crossings)	4,950.25	4,950.25	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 5 pipe crossings)	48,547.83	48,547.83	0.00	0.00	0.00
Series 5900 - RD 2103 Grasshopper Unit - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817, 2103, AND HORSESHOE OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD Levee Funds	Wheatland Levee Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 817/2103/Horseshoe of Yuba County - Operation and Maintenance Budget						
Series 5925 - RD 784 Horseshoe Unit 3B - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5950 - RD 784 Horseshoe Unit 5 - Pipe Crossings - (Total of 9) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 9 pipe crossings)	\$13,500.00	\$13,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 9 pipe crossings)	6,237.31	6,237.31	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 9 pipe crossings)	8,910.45	8,910.45	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 9 pipe crossings)	87,386.10	87,386.10	0.00	0.00	0.00
Series 6000 - South Levee of Dry Creek Levee - RD 817 Unit No. 1 - LM 0.00 to LM 3.82 - 20,170' - ROW width 185.0 feet - Acres 85.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,566.06	\$8,566.06	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,141.52	2,141.52	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	6,852.85	6,852.85	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,424.55	6,424.55	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,283.03	4,283.03	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,426.42	3,426.42	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,713.21	1,713.21	0.00	0.00	0.00
	Patrol Road O&M - 20,170 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$75,636.00)	7,394.98	7,394.98	0.00	0.00	0.00
	Patrol Road O&M - 3,350 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,562.50)	1,228.24	1,228.24	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 2 - 50 year life cycle (PV = \$290,000.00)	10,239.18	10,239.18	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 2 - 1 year life cycle (PV = \$1,500.00)	3,000.00	3,000.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	359.58	359.58	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	49,660.00	49,660.00	0.00	0.00	0.00
Series 6100 - North Levee of Bear River - RD 817 Unit No. 2 - LM 0.00 to LM 3.87 - 20,434' - ROW width 200.0 feet - Acres 93.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,381.82	\$9,381.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,345.45	2,345.45	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,505.45	7,505.45	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,036.36	7,036.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,690.91	4,690.91	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,752.73	3,752.73	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,876.36	1,876.36	0.00	0.00	0.00
	Patrol Road O&M - 20,434 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$76,626.00)	7,491.77	7,491.77	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	364.28	364.28	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	50,310.00	50,310.00	0.00	0.00	0.00
Series 6200 - North Levee of Dry Creek - RD 817 Unit No. 6 - LM 0.00 to LM 1.50 - 7,920' - ROW width 200.0 feet - Acres 36.4 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,636.36	\$3,636.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	909.09	909.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,909.09	2,909.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,727.27	2,727.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,818.18	1,818.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,454.55	1,454.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	727.27	727.27	0.00	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	2,903.79	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	141.19	141.19	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	19,500.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817, 2103, AND HORSESHOE OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD Levee Funds	Wheatland Levee Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 817/2103/Horseshoe of Yuba County - Operation and Maintenance Budget						
Series 6300 - South Levee of Dry Creek - RD 2103 Unit No. 1 - LM 0.00 to LM 4.77 - 25,186' - ROW width 185.0 feet - Acres 107.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,696.36	\$10,696.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,674.09	2,674.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,557.09	8,557.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,022.27	8,022.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,348.18	5,348.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,278.55	4,278.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,139.27	2,139.27	0.00	0.00	0.00
	Patrol Road O&M - 25,186 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$94,446.00)	9,234.04	9,234.04	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	449.00	449.00	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	62,010.00	62,010.00	0.00	0.00	0.00
Series 6400 - North Levee of Bear River - RD 2103 Unit No. 2 - LM 0.00 to LM 5.00 - 26,400' - ROW width 200.0 feet - Acres 121.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$12,121.21	\$12,121.21	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,030.30	3,030.30	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,696.97	9,696.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,090.91	9,090.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,060.61	6,060.61	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,848.48	4,848.48	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,424.24	2,424.24	0.00	0.00	0.00
	Patrol Road O&M - 26,400 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$99,000.00)	9,679.29	9,679.29	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	470.65	470.65	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	65,000.00	65,000.00	0.00	0.00	0.00
Series 6500 - North Levee of Grasshopper Slough (RD 2103 - nonproject levee) 5,450' - ROW width 200.0 feet - Acres 25.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$2,502.30	\$2,502.30	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	625.57	625.57	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,001.84	2,001.84	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,876.72	1,876.72	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,251.15	1,251.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,000.92	1,000.92	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	500.46	500.46	0.00	0.00	0.00
	Patrol Road O&M - 5,450 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$20,437.50)	1,998.19	1,998.19	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	97.16	97.16	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	13,418.56	13,418.56	0.00	0.00	0.00
Series 6700 - Bear River North Levee - Unit No. 3B - LM 3.23 to LM 4.73 - 7,920' - ROW width 175.0 feet - Acres 31.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,181.82	\$0.00	\$3,181.82	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	795.45	0.00	795.45	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,545.45	0.00	2,545.45	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,386.36	0.00	2,386.36	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,590.91	0.00	1,590.91	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,272.73	0.00	1,272.73	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	636.36	0.00	636.36	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	0.00	2,903.79	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	141.19	0.00	141.19	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	19,500.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817, 2103, AND HORSESHOE OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD Levee Funds	Wheatland Levee Funds	RD Drainage Funds	YCWA Funds
Reclamation District No. 817/2103/Horseshoe of Yuba County - Operation and Maintenance Budget						
Series 6800 - South Dry Creek North Levee - Unit No. 6 - LM 0.00 to LM 0.25 - 1,320' - ROW width 175.0 feet - Acres 5.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$530.30	\$0.00	\$530.30	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	132.58	0.00	132.58	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	424.24	0.00	424.24	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	397.73	0.00	397.73	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	265.15	0.00	265.15	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	212.12	0.00	212.12	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	106.06	0.00	106.06	0.00	0.00
	Patrol Road O&M - 1,320 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$4,950.00)	483.96	0.00	483.96	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	23.53	0.00	23.53	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	3,250.00	3,250.00	0.00	0.00	0.00
Series 6900 - WPIC East Levee - Unit No. 5 - LM 0.00 to LM 4.21 - 22,229' - ROW width 175.0 feet - Acres 89.3 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,930.30	\$0.00	\$8,930.30	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,232.58	0.00	2,232.58	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,144.24	0.00	7,144.24	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,697.73	0.00	6,697.73	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,465.15	0.00	4,465.15	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,572.12	0.00	3,572.12	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,786.06	0.00	1,786.06	0.00	0.00
	Patrol Road O&M - 22,229 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$83,358.00)	8,149.96	0.00	8,149.96	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	396.29	0.00	396.29	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	54,730.00	54,730.00	0.00	0.00	0.00
		\$1,413,754.27	\$1,352,350.09	\$61,404.18	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	25.95	\$16,435.88
Capital Costs per mile	25.95	\$797.41
Pipe Crossing OMRR&R Cost per mile	25.95	\$12,419.61
Levee Operation and Maintenance per mile	25.95	\$11,822.42
Levee Repair, Rehabilitation, and Replacement per mile	25.95	\$13,000.00
Total Cost per mile	25.95	\$54,475.32
Current per mile	25.95	\$4,596.33

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Urban Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Urban Levee Operation and Maintenance per mile	0.00	\$0.00
Urban Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Rural Levee Only

Direct, Admin, & Operations Cost per mile	25.95	\$16,435.88
Capital Costs per mile	25.95	\$797.41
Rural Pipe Crossing OMRR&R Cost per mile	25.95	\$12,419.61
Rural Levee Operation and Maintenance per mile	25.95	\$11,822.42
Rural Levee Repair, Rehabilitation, and Replacement per mile	25.95	\$13,000.00
Total Cost per mile	25.95	\$54,475.32

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**RECLAMATION DISTRICT NO. 817 AND 2103 OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 817/2103 Property Levee Assessment	\$115,284.82
City of Wheatland Supplement Income	\$0.00
RD 817/2103 Property Drainage Assessment	\$0.00
Yuba County Water Agency Supplemental Income	\$0.00
County of Yuba - O&M Contract Services	\$0.00
Total Revenue	\$115,284.82
Deficient	(\$994,249.54)

Total Budget	\$1,109,534.36
Total Revenue	\$115,284.82
Reserve Funds	(\$994,249.54)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$80,000.00) (General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 0 -Administrative Assistant - \$20,000)	\$80,000.00	\$80,000.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$45,000.00) (0-Superintendent - \$65,000, 1 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	45,000.00	45,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$5,000.00)	5,000.00	5,000.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$18,125.00)	18,125.00	18,125.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$10,625.00)	10,625.00	10,625.00	0.00	0.00	0.00
	Medical/Health - 1 year life cycle (PV = \$45,000.00)	45,000.00	45,000.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$4,375.00)	4,375.00	4,375.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$2,500.00)	2,500.00	2,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$3,750.00)	3,750.00	3,750.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$12,000.00	\$12,000.00	\$0.00	\$0.00	\$0.00
	Public Relations	3,500.00	3,500.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	20,000.00	20,000.00	0.00	0.00	0.00
	Legal Fees	15,000.00	15,000.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	1,300.00	1,300.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$275,000.00)	10,354.26	10,354.26	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$7,500.00)	1,861.00	1,861.00	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	5,500.00	5,500.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,500.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	0.00	0.00	0.00	0.00	0.00
	Computer software and hardware	2,500.00	2,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	500.00	0.00	0.00	0.00
	Office Repairs	2,000.00	2,000.00	0.00	0.00	0.00
	Office Supplies	1,500.00	1,500.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	1,500.00	1,500.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	200.00	200.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 19.99 miles @ PV = \$5,000.00 per mile)	9,773.24	9,773.24	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 2 vehicles @ PV = \$2,000.00 per vehicle)	4,000.00	4,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 2 vehicles @ PV = \$3,500.00 per vehicle)	7,000.00	7,000.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 19.99 miles @ PV = \$8,000.00 per mile)	15,637.19	15,637.19	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817 AND 2103 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor Terratrae Aebi TT280 15 year life cycle (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 2 vehicles @ PV = \$40,000.00 per vehicle)	7,821.65	7,821.65	0.00	0.00	0.00
	Utility Trucks (2 ton) 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - RD 817 Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5500 - RD 817 Unit 2 - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 5600 - RD 817 Unit 3 - Pipe Crossings - (Total of 3) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 3 pipe crossings)	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 3 pipe crossings)	2,079.10	2,079.10	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 3 pipe crossings)	2,970.15	2,970.15	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 3 pipe crossings)	29,128.70	29,128.70	0.00	0.00	0.00
Series 5700 - RD 2103 Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
	Pressure Pipe Replacement 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00
Series 5800 - RD 2103 Unit 2 - Pipe Crossings - (Total of 5) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 5 pipe crossings)	\$7,500.00	\$7,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 5 pipe crossings)	3,465.17	3,465.17	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 5 pipe crossings)	4,950.25	4,950.25	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 5 pipe crossings)	48,547.83	48,547.83	0.00	0.00	0.00
Series 5900 - RD 2103 Grasshopper Unit - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
	Pressure Pipe Replacement 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817 AND 2103 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 6000 - South Levee of Dry Creek Levee - RD 817 Unit No. 1 - LM 0.00 to LM 3.82 - 20,170' - ROW width 185.0 feet - Acres 85.7 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,566.06	\$8,566.06	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,141.52	2,141.52	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	6,852.85	6,852.85	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,424.55	6,424.55	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,283.03	4,283.03	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,426.42	3,426.42	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,713.21	1,713.21	0.00	0.00	0.00
	Patrol Road O&M - 20,170 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$75,636.00)	7,394.98	7,394.98	0.00	0.00	0.00
	Patrol Road O&M - 3,350 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$12,562.50)	1,228.24	1,228.24	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 2 - 50 year life cycle (PV = \$290,000.00)	10,239.18	10,239.18	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 2 - 1 year life cycle (PV = \$1,500.00)	3,000.00	3,000.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	359.58	359.58	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	49,660.00	49,660.00	0.00	0.00	0.00
Series 6100 - North Levee of Bear River - RD 817 Unit No. 2 - LM 0.00 to LM 3.87 - 20,434' - ROW width 200.0 feet - Acres 93.8 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,381.82	\$9,381.82	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,345.45	2,345.45	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,505.45	7,505.45	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,036.36	7,036.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,690.91	4,690.91	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,752.73	3,752.73	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,876.36	1,876.36	0.00	0.00	0.00
	Patrol Road O&M - 20,434 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$76,626.00)	7,491.77	7,491.77	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	364.28	364.28	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	50,310.00	50,310.00	0.00	0.00	0.00
Series 6200 - North Levee of Dry Creek - RD 817 Unit No. 6 - LM 0.00 to LM 1.50 - 7,920' - ROW width 200.0 feet - Acres 36.4 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$3,636.36	\$3,636.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	909.09	909.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,909.09	2,909.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	2,727.27	2,727.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,818.18	1,818.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,454.55	1,454.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	727.27	727.27	0.00	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$29,700.00)	2,903.79	2,903.79	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	141.19	141.19	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	19,500.00	19,500.00	0.00	0.00	0.00
Series 6300 - South Levee of Dry Creek - RD 2103 Unit No. 1 - LM 0.00 to LM 4.77 - 25,186' - ROW width 185.0 feet - Acres 107.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,696.36	\$10,696.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,674.09	2,674.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,557.09	8,557.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,022.27	8,022.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,348.18	5,348.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,278.55	4,278.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,139.27	2,139.27	0.00	0.00	0.00
	Patrol Road O&M - 25,186 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$94,446.00)	9,234.04	9,234.04	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	449.00	449.00	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	62,010.00	62,010.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 817 AND 2103 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 817 Levee Funds	Wheatland Levee Funds	RD 817 Drainage Funds	YCWA Funds
Reclamation District No. 817/2103 of Yuba County - Operation and Maintenance Budget						
Series 6400 - North Levee of Bear River - RD 2103 Unit No. 2 - LM 0.00 to LM 5.00 - 26,400' - ROW width 200.0 feet - Acres 121.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$12,121.21	\$12,121.21	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,030.30	3,030.30	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,696.97	9,696.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,090.91	9,090.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,060.61	6,060.61	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,848.48	4,848.48	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,424.24	2,424.24	0.00	0.00	0.00
	Patrol Road O&M - 26,400 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$99,000.00)	9,679.29	9,679.29	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	470.65	470.65	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	65,000.00	65,000.00	0.00	0.00	0.00
Series 6500 - North Levee of Grasshopper Slough (RD 2103 - nonproject levee) 5,450' - ROW width 200.0 feet - Acres 25.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$2,502.30	\$2,502.30	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	625.57	625.57	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,001.84	2,001.84	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,876.72	1,876.72	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,251.15	1,251.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,000.92	1,000.92	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	500.46	500.46	0.00	0.00	0.00
	Patrol Road O&M - 5,450 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$20,437.50)	1,998.19	1,998.19	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	97.16	97.16	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	13,418.56	13,418.56	0.00	0.00	0.00
		\$1,109,534.36	\$1,109,534.36	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	19.99	\$20,159.40
Capital Costs per mile	19.99	\$1,035.13
Pipe Crossing OMRR&R Cost per mile	19.99	\$9,028.38
Levee Operation and Maintenance per mile	19.99	\$12,275.46
Levee Repair, Rehabilitation, and Replacement per mile	19.99	\$13,000.00
Total Cost per mile	19.99	\$55,498.37
Current per mile	19.99	\$5,766.49

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Urban Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Urban Levee Operation and Maintenance per mile	0.00	\$0.00
Urban Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Rural Levee Only

Direct, Admin, & Operations Cost per mile	19.99	\$20,159.40
Capital Costs per mile	19.99	\$1,035.13
Rural Pipe Crossing OMRR&R Cost per mile	19.99	\$9,028.38
Rural Levee Operation and Maintenance per mile	19.99	\$12,275.46
Rural Levee Repair, Rehabilitation, and Replacement per mile	19.99	\$13,000.00
Total Cost per mile	19.99	\$55,498.37

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**RECLAMATION DISTRICT NO. 1001 OF SUTTER COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 1001 Property Levee Assessment	\$801,301.03
Other Supplement Income	\$0.00
RD 1001 Property Drainage Assessment	\$129,751.97
Sutter County Assessment	\$0.00
Total Revenue	\$931,053.00
Deficient	(\$1,610,184.74)

Total Budget	\$2,541,237.74
Total Revenue	\$931,053.00
Reserve Funds	(\$1,610,184.74)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD 1001 Levee Funds	Other Funds	RD 1001 Drainage Funds	Sutter County Funds
Reclamation District No. 1001 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$85,000.00) (1 - General Manager - \$65,000, 0 - Bookkeeper/Office Manager - \$40,000, and 1 - Administrative Assistant - \$20,000)	\$85,000.00	\$72,250.00	\$0.00	\$12,750.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$141,000.00) (1 - Superintendent - \$65,000, 1 - Maintenance III Worker - \$35,000, 0 - Maintenance II Worker - \$32,000, and 2 - Maintenance I Workers - \$28,000)	141,000.00	119,850.00	0.00	21,150.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$9,040.00)	9,040.00	7,684.00	0.00	1,356.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	5,737.50	0.00	1,012.50	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$32,770.00)	32,770.00	27,854.50	0.00	4,915.50	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$33,900.00)	33,900.00	28,815.00	0.00	5,085.00	0.00
	Board Members - Medical/Health - 1 year life cycle (PV = \$5,000.00)	5,000.00	4,250.00	0.00	750.00	0.00
	Retired Employees - Medical/Health - 1 year life cycle (PV = \$70,000.00)	70,000.00	59,500.00	0.00	10,500.00	0.00
	Employee - Medical/Health - 1 year life cycle (PV = \$63,280.00)	63,280.00	53,788.00	0.00	9,492.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$7,910.00)	7,910.00	6,723.50	0.00	1,186.50	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$4,520.00)	4,520.00	3,842.00	0.00	678.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$6,780.00)	6,780.00	5,763.00	0.00	1,017.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$25,000.00	\$21,250.00	\$0.00	\$3,750.00	\$0.00
	Public Relations	3,500.00	2,975.00	0.00	525.00	0.00
	Independent Audit Consulting	10,000.00	8,500.00	0.00	1,500.00	0.00
	Engineering Consulting	50,000.00	42,500.00	0.00	7,500.00	0.00
	Legal Fees	50,000.00	42,500.00	0.00	7,500.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	6,500.00	5,525.00	0.00	975.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,295.56	9,601.22	0.00	1,694.33	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,721.99	3,163.69	0.00	558.30	0.00
	County and City Fees, Permits, and Licenses	5,500.00	4,675.00	0.00	825.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	2,500.00	2,125.00	0.00	375.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	21,250.00	0.00	3,750.00	0.00
	Insurance - Deductibles	2,500.00	2,125.00	0.00	375.00	0.00
	Uninsured Losses	2,000.00	1,700.00	0.00	300.00	0.00
	Computer software and hardware	2,500.00	2,125.00	0.00	375.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,040.00	0.00	360.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	500.00	425.00	0.00	75.00	0.00
	Office Repairs	2,000.00	1,700.00	0.00	300.00	0.00
	Office Supplies	1,500.00	1,275.00	0.00	225.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,275.00	0.00	225.00	0.00
	Flood Fight Training	1,500.00	1,275.00	0.00	225.00	0.00
	Uniforms	1,500.00	1,275.00	0.00	225.00	0.00
	Security Services	600.00	510.00	0.00	90.00	0.00
	Legal Ads/ Notices	1,500.00	1,275.00	0.00	225.00	0.00
	Newspaper Service	200.00	170.00	0.00	30.00	0.00
	Contingency Fund - 10 year return period (based on total of 44.02 miles @ PV = \$5,000.00 per mile)	21,519.30	18,291.41	0.00	3,227.90	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$1,700.00	\$0.00	\$300.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	2,975.00	0.00	525.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 3 vehicles @ PV = \$2,000.00 per vehicle)	6,000.00	5,100.00	0.00	900.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 3 vehicles @ PV = \$3,500.00 per vehicle)	10,500.00	8,925.00	0.00	1,575.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,060.00	0.00	540.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	663.00	0.00	117.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,275.00	0.00	225.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	13,178.15	11,201.43	0.00	1,976.72	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	28,238.89	24,003.06	0.00	4,235.83	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 44.02 miles @ PV = \$8,000.00 per mile)	34,430.88	29,266.25	0.00	5,164.63	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	10,625.00	0.00	1,875.00	0.00

**RECLAMATION DISTRICT NO. 1001 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 1001 Levee Funds	Other Funds	RD 1001 Drainage Funds	Sutter County Funds
Reclamation District No. 1001 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrak Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$14,481.98	\$12,309.68	\$0.00	\$2,172.30	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 3 vehicles @ PV = \$40,000.00 per vehicle)	11,732.47	9,972.60	0.00	1,759.87	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	3,861.86	3,282.58	0.00	579.28	0.00
	Spray Rig - 15 year life cycle (based on total of 1 spray rig @ PV = \$80,000.00 per spray rig)	5,149.15	4,376.78	0.00	772.37	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	10,941.94	0.00	1,930.93	0.00
Series 5400 - Unit 1 - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	5,428.53	5,428.53	0.00	0.00	0.00
Series 5500 - Unit 2 - Pipe Crossing - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	5,428.53	5,428.53	0.00	0.00	0.00
Series 5500 - Unit 3A - Pipe Crossing - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 5600 - Unit 3B - Pipe Crossing(s) - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 5700 - Unit 4 - Pipe Crossing(s) - (Total of 3) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 3 pipe crossings)	\$4,500.00	\$4,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 3 pipe crossings)	2,079.10	2,079.10	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 3 pipe crossings)	2,970.15	2,970.15	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 1 pipe crossings)	5,428.53	5,428.53	0.00	0.00	0.00
Series 5800 - Unit 5 - Pipe Crossing(s) - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 1001 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 1001 Levee Funds	Other Funds	RD 1001 Drainage Funds	Sutter County Funds
Reclamation District No. 1001 of Yuba County - Operation and Maintenance Budget						
Series 5900 - Unit 6 - Pipe Crossing(s) - (Total of 11) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 11 pipe crossings)	\$16,500.00	\$16,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 11 pipe crossings)	7,623.38	7,623.38	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 11 pipe crossings)	10,890.55	10,890.55	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 11 pipe crossings)	106,805.24	106,805.24	0.00	0.00	0.00
Series 5950 - Cross Canal Pump Station - 4 Pumps - OMRR&R						
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$15,000.00)	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$00.00)	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) - 1 year life cycle (PV = \$55,000.00)	55,000.00	55,000.00	0.00	0.00	0.00
	SCADA Service - 1 year life cycle (PV = \$2,400.00)	2,400.00	2,400.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	1,440.00	0.00	0.00	0.00
	Tank and Fuel Reconditioning - 1 year life cycle (PV = \$3,000.00)	3,000.00	3,000.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	3,960.20	3,960.20	0.00	0.00	0.00
	Trash Rack Replacement - 50 year life cycle (PV = \$150,000.00)	2,648.06	2,648.06	0.00	0.00	0.00
	Pipe Replacement - 60 Inch - 30 year life cycle (PV = \$550,000.00)	17,038.41	17,038.41	0.00	0.00	0.00
	Pipe Replacement - 48 Inch - 30 year life cycle (PV = \$450,000.00)	13,940.51	13,940.51	0.00	0.00	0.00
	Pipe Replacement - 42 Inch - 30 year life cycle (PV = \$350,000.00)	10,842.62	10,842.62	0.00	0.00	0.00
	Pipe Replacement - 36 Inch - 30 year life cycle (PV = \$325,000.00)	10,068.15	10,068.15	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 650 Pump - 10 year life cycle (PV = \$30,000.00)	5,866.23	5,866.23	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 350 Pump - 10 year life cycle (PV = \$25,000.00)	4,888.53	4,888.53	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 250 Pump - 10 year life cycle (PV = \$20,000.00)	3,910.82	3,910.82	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 150 Pump - 10 year life cycle (PV = \$16,000.00)	3,128.66	3,128.66	0.00	0.00	0.00
	Motor Rebuild - 650 HP 460 Volt - 10 year life cycle (PV = \$30,000.00)	5,866.23	5,866.23	0.00	0.00	0.00
	Motor Rebuild - 350 HP 460 Volt - 10 year life cycle (PV = \$20,000.00)	3,910.82	3,910.82	0.00	0.00	0.00
	Motor Rebuild - 250 HP 460 Volt - 10 year life cycle (PV = \$15,000.00)	2,933.12	2,933.12	0.00	0.00	0.00
	Motor Rebuild - 150 HP 460 Volt - 10 year life cycle (PV = \$10,000.00)	1,955.41	1,955.41	0.00	0.00	0.00
	Pump Station Replacement - 25 year life cycle (PV = \$3,500,000.00)	131,781.50	131,781.50	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - Racetrack PS - 25 year life cycle (PV = \$425,000.00)	16,002.04	16,002.04	0.00	0.00	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$225,000.00)	8,471.67	8,471.67	0.00	0.00	0.00
Series 6000 - North Levee of Yankee Slough - Unit No. 1 - LM 0.00 to LM 4.17 - 22,018' - ROW width 185.0 feet - Acres 93.5 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$9,350.91	\$9,350.91	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,337.73	2,337.73	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,480.73	7,480.73	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,013.18	7,013.18	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,675.45	4,675.45	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,740.36	3,740.36	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,870.18	1,870.18	0.00	0.00	0.00
	Patrol Road O&M - 22,018 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$82,566.00)	8,072.53	8,072.53	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 2 - 50 year life cycle (PV = \$290,000.00)	10,239.18	10,239.18	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 2 - 1 year life cycle (PV = \$1,500.00)	3,000.00	3,000.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	392.52	392.52	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	54,210.00	54,210.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 1001 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 1001 Levee Funds	Other Funds	RD 1001 Drainage Funds	Sutter County Funds
Reclamation District No. 1001 of Yuba County - Operation and Maintenance Budget						
Series 6100 - South Levee of Yankee Slough - Unit No. 2 - LM 0.00 to LM 3.65 - 19,272' - ROW width 200.0 feet - Acres 88.5 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$8,848.48	\$8,848.48	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,212.12	2,212.12	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	7,078.79	7,078.79	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	6,636.36	6,636.36	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,424.24	4,424.24	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,539.39	3,539.39	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,769.70	1,769.70	0.00	0.00	0.00
	Patrol Road O&M - 19,272 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$72,270.00)	7,065.88	7,065.88	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	343.57	343.57	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	47,450.00	47,450.00	0.00	0.00	0.00
Series 6200 - South Levee of Bear River - Unit No. 3A - LM 0.00 to LM 9.42 - 49,738' - ROW width 200.0 feet - Acres 228.4 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$22,836.36	\$22,836.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	5,709.09	5,709.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	18,269.09	18,269.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	17,127.27	17,127.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	11,418.18	11,418.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	9,134.55	9,134.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	4,567.27	4,567.27	0.00	0.00	0.00
	Patrol Road O&M - 49,738 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$186,516.00)	18,235.78	18,235.78	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	886.70	886.70	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	122,460.00	122,460.00	0.00	0.00	0.00
Series 6300 - South Levee of Bear River - Unit No. 3B - LM 9.42 to LM 12.60 - 16,790' - ROW width 200.0 feet - Acres 77.1 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$7,709.09	\$7,709.09	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,927.27	1,927.27	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	6,167.27	6,167.27	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,781.82	5,781.82	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,854.55	3,854.55	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,083.64	3,083.64	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	1,541.82	1,541.82	0.00	0.00	0.00
	Patrol Road O&M - 16,790 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$62,964.00)	6,156.03	6,156.03	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	299.33	299.33	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	41,340.00	41,340.00	0.00	0.00	0.00
Series 6400 - East Levee of Feather River - Unit No. 4 - LM 0.00 to LM 13.36 - 70,541' - ROW width 200.0 feet - Acres 323.9 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$32,387.88	\$32,387.88	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	8,096.97	8,096.97	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	25,910.30	25,910.30	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	24,290.91	24,290.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	16,193.94	16,193.94	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	12,955.15	12,955.15	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	6,477.58	6,477.58	0.00	0.00	0.00
	Patrol Road O&M - 70,541 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$264,528.00)	25,863.05	25,863.05	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	1,257.57	1,257.57	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	173,680.00	173,680.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 1001 OF SUTTER COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 1001 Levee Funds	Other Funds	RD 1001 Drainage Funds	Sutter County Funds
Reclamation District No. 1001 of Yuba County - Operation and Maintenance Budget						
Series 6500 - North Levee of Natomas Cross Canal - Unit No. 5 - LM 0.00 to LM 5.44 - 28,723' - ROW width 200.0 feet - Acres 131.9 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$13,187.88	\$13,187.88	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,296.97	3,296.97	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	10,550.30	10,550.30	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,890.91	9,890.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,593.94	6,593.94	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	5,275.15	5,275.15	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,637.58	2,637.58	0.00	0.00	0.00
	Patrol Road O&M - 28,723 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$107,712.00)	10,531.06	10,531.06	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	512.07	512.07	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	70,720.00	70,720.00	0.00	0.00	0.00
Series 6600 - West Levee of Interceptor Canal - Unit No. 6 - LM 0.00 to LM 4.80 - 25,344' - ROW width 200.0 feet - Acres 116.4 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$11,636.36	\$11,636.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,909.09	2,909.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,309.09	9,309.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,727.27	8,727.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,818.18	5,818.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,654.55	4,654.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,327.27	2,327.27	0.00	0.00	0.00
	Patrol Road O&M - 25,344 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$95,040.00)	9,292.12	9,292.12	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	451.82	451.82	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	62,400.00	62,400.00	0.00	0.00	0.00
		\$2,541,237.74	\$2,411,485.78	\$0.00	\$129,751.97	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	44.02	\$15,774.14
Capital Costs per mile	44.02	\$928.75
Pipe Crossing OMRR&R Cost per mile	44.02	\$5,858.76
Pump Station OMRR&R Cost per mile	44.02	\$7,429.65
Levee Operation and Maintenance per mile	44.02	\$11,790.30
Levee Repair, Rehabilitation, and Replacement per mile	44.02	\$13,000.00
Total Cost per mile	44.02	\$54,781.59
Current per mile	44.02	\$18,203.11

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Urban Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Urban Pump Station OMRR&R Cost per mile	0.00	\$0.00
Urban Levee Operation and Maintenance per mile	0.00	\$0.00
Urban Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Rural Levee Only

Direct, Admin, & Operations Cost per mile	44.02	\$15,774.14
Capital Costs per mile	44.02	\$928.75
Rural Pipe Crossing OMRR&R Cost per mile	44.02	\$5,858.76
Rural Pump Station OMRR&R Cost per mile	44.02	\$7,429.65
Rural Levee Operation and Maintenance per mile	44.02	\$11,790.30
Rural Levee Repair, Rehabilitation, and Replacement per mile	44.02	\$13,000.00
Total Cost per mile	44.02	\$54,781.59

Internal Drainage per Acre

Internal Drainage per acre	33,000.00	\$3.93
Current Internal Drainage per acre	33,000.00	\$3.93

**RECLAMATION DISTRICT NO. 2103 OF YUBA COUNTY
ANNUAL BUDGET**

REVENUE SOURCES	
RD 2103 Property Levee Assessment	\$98,284.82
Other Supplement Income	\$0.00
RD 2103 Property Drainage Assessment	\$0.00
Yuba County Water Agency Supplement Income	\$0.00
Total Revenue	\$98,284.82
Deficient	(\$528,701.12)

Total Budget	\$626,985.94
Total Revenue	\$98,284.82
Reserve Funds	(\$528,701.12)

ENR Cost Index	0.0%
Interest Rate	0.50%

Item No.	Description of Item	Total 2016/17 Assessment	RD 2103 Levee Funds	Other Funds	RD 2103 Drainage Funds	YCWA Funds
Reclamation District No. 2103 of Yuba County - Operation and Maintenance Budget						
Series 5000 - Direct Expenses Employee Salaries and Fringe						
	Administration Salary - 1 year life cycle (PV = \$0.00) (1 - General Manager - \$80,000, 0 - Bookkeeper/Office Manager - \$40,000, and 0 - Administrative Assistant - \$20,000)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Field Personnel Salary - 1 year life cycle (PV = \$65,000.00) (0 - Superintendent - \$65,000, 0 - Maintenance III Worker - \$45,000, 0 - Maintenance II Worker - \$40,000, and 0 - Maintenance I Labors - \$35,000)	65,000.00	65,000.00	0.00	0.00	0.00
	Overtime and Emergency Work - 1 year life cycle (PV = \$2,600.00)	2,600.00	2,600.00	0.00	0.00	0.00
	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	6,750.00	0.00	0.00	0.00
	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$9,425.00)	9,425.00	9,425.00	0.00	0.00	0.00
	Retirement PERS Medical/Pension Liability - 1 year life cycle (PV = \$9,750.00)	9,750.00	9,750.00	0.00	0.00	0.00
	Board Members - Medical/Health - 1 year life cycle (PV = \$5,000.00)	5,000.00	5,000.00	0.00	0.00	0.00
	Retired Employees - Medical/Health - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Employee - Medical/Health - 1 year life cycle (PV = \$18,200.00)	18,200.00	18,200.00	0.00	0.00	0.00
	Workers Compensation Insurance - 1 year life cycle (PV = \$2,275.00)	2,275.00	2,275.00	0.00	0.00	0.00
	Unemployment Insurance - 1 year life cycle (PV = \$1,300.00)	1,300.00	1,300.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$1,950.00)	1,950.00	1,950.00	0.00	0.00	0.00
Series 5100 - Administration						
	Accounting/Bookkeeping	\$8,750.00	\$8,750.00	\$0.00	\$0.00	\$0.00
	Public Relations	0.00	0.00	0.00	0.00	0.00
	Independent Audit Consulting	10,000.00	10,000.00	0.00	0.00	0.00
	Engineering Consulting	15,000.00	15,000.00	0.00	0.00	0.00
	Legal Fees	7,500.00	7,500.00	0.00	0.00	0.00
	Assessment Consulting Fees (does not include 218 Election)	1,300.00	1,300.00	0.00	0.00	0.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$250,000.00)	0.00	0.00	0.00	0.00	0.00
	Trustee Election Expense - 4 year life cycle (PV = \$7,500.00)	1,861.00	1,861.00	0.00	0.00	0.00
	County and City Fees, Permits, and Licenses	0.00	0.00	0.00	0.00	0.00
	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00
	Property Taxes	0.00	0.00	0.00	0.00	0.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	25,000.00	25,000.00	0.00	0.00	0.00
	Insurance - Deductibles	2,500.00	2,500.00	0.00	0.00	0.00
	Uninsured Losses	0.00	0.00	0.00	0.00	0.00
	Computer software and hardware	0.00	0.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	0.00	0.00	0.00	0.00	0.00
	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00
	Office Equipment/Furniture	0.00	0.00	0.00	0.00	0.00
	Office Repairs	0.00	0.00	0.00	0.00	0.00
	Office Supplies	0.00	0.00	0.00	0.00	0.00
	Safety Equipment and Safety Training	1,500.00	1,500.00	0.00	0.00	0.00
	Flood Fight Training	0.00	0.00	0.00	0.00	0.00
	Uniforms	0.00	0.00	0.00	0.00	0.00
	Security Services	0.00	0.00	0.00	0.00	0.00
	Legal Ads/ Notices	0.00	0.00	0.00	0.00	0.00
	Newspaper Service	0.00	0.00	0.00	0.00	0.00
	Contingency Fund - 10 year return period (based on total of 10.80 miles @ PV = \$5,000.00 per mile)	5,280.68	5,280.68	0.00	0.00	0.00
Series 5200 - Operations						
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	3,500.00	0.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 1 vehicles @ PV = \$2,000.00 per vehicle)	2,000.00	2,000.00	0.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 1 vehicles @ PV = \$3,500.00 per vehicle)	3,500.00	3,500.00	0.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	3,600.00	0.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$780.00)	780.00	780.00	0.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00
	Office Building Replacement - 25 year life cycle (PV = \$350,000.00)	0.00	0.00	0.00	0.00	0.00
	Shop Building Replacement - 25 year life cycle (PV = \$750,000.00)	0.00	0.00	0.00	0.00	0.00
	Emergency Flood Fight Fund - 10 year return period (based on total of 10.80 miles @ PV = \$8,000.00 per mile)	8,449.10	8,449.10	0.00	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$12,500.00)	12,500.00	12,500.00	0.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 2103 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 2103 Levee Funds	Other Funds	RD 2103 Drainage Funds	YCWA Funds
Reclamation District No. 2103 of Yuba County - Operation and Maintenance Budget						
Series 5300 - Capital Projects						
	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 0 tractors @ PV = \$225,000.00 per tractor)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Utility Pickups (3/4 ton) - 10 year life cycle (based on total of 1 vehicles @ PV = \$40,000.00 per vehicle)	3,910.82	3,910.82	0.00	0.00	0.00
	Utility Trucks (2 ton) - 15 year life cycle (based on total of 0 vehicles @ PV = \$60,000.00 per vehicle)	0.00	0.00	0.00	0.00	0.00
	Spray Rig - 15 year life cycle (based on total of 0 spray rig @ PV = \$80,000.00 per spray rig)	0.00	0.00	0.00	0.00	0.00
	Tractor with Boom Mower - 15 year life cycle (based on total of 0 tractor @ PV = \$150,000.00 per tractor)	0.00	0.00	0.00	0.00	0.00
	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	12,872.87	12,872.87	0.00	0.00	0.00
Series 5400 - Unit 1 - Pipe Crossings - (Total of 2) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,386.07	1,386.07	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,980.10	1,980.10	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 2 pipe crossings)	19,419.13	19,419.13	0.00	0.00	0.00
Series 5500 - Unit 2 - Pipe Crossings - (Total of 5) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 5 pipe crossings)	\$7,500.00	\$7,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 5 pipe crossings)	3,465.17	3,465.17	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 5 pipe crossings)	4,950.25	4,950.25	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 5 pipe crossings)	48,547.83	48,547.83	0.00	0.00	0.00
Series 5600 - Grasshopper Unit - Pipe Crossings - (Total of 1) - OMRR&R						
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	693.03	693.03	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	990.05	990.05	0.00	0.00	0.00
	Gravity Pipe Replacement - 50 year life cycle (PV = \$550,000.00) (Total of 1 pipe crossings)	9,709.57	9,709.57	0.00	0.00	0.00
Series 6000 - South Levee of Dry Creek - Unit No. 1 - LM 0.00 to LM 4.77 - 25,186' - ROW width 185.0 feet - Acres 107.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$10,696.36	\$10,696.36	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,674.09	2,674.09	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	8,557.09	8,557.09	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	8,022.27	8,022.27	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	5,348.18	5,348.18	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,278.55	4,278.55	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,139.27	2,139.27	0.00	0.00	0.00
	Patrol Road O&M - 25,186 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$94,446.00)	9,234.04	9,234.04	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	449.00	449.00	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	62,010.00	62,010.00	0.00	0.00	0.00

**RECLAMATION DISTRICT NO. 2103 OF YUBA COUNTY
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	RD 2103 Levee Funds	Other Funds	RD 2103 Drainage Funds	YCWA Funds
Reclamation District No. 2103 of Yuba County - Operation and Maintenance Budget						
Series 6100 - North Levee of Bear River - Unit No. 2 - LM 0.00 to LM 5.00 - 26,400' - ROW width 200.0 feet - Acres 121.2 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$12,121.21	\$12,121.21	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	3,030.30	3,030.30	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	9,696.97	9,696.97	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	9,090.91	9,090.91	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	6,060.61	6,060.61	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	4,848.48	4,848.48	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$100.00/ac)	2,424.24	2,424.24	0.00	0.00	0.00
	Patrol Road O&M - 26,400 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$99,000.00)	9,679.29	9,679.29	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 50 year life cycle (PV = \$15,000.00)	2,118.45	2,118.45	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,029.65	1,029.65	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$536.00)	4,288.00	4,288.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	470.65	470.65	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	65,000.00	65,000.00	0.00	0.00	0.00
Series 6200 - North Levee of Grasshopper Slough (nonproject levee) 5,450' - ROW width 200.0 feet - Acres 25.0 - OMRR&R						
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$100.00/ac)	\$2,502.30	\$2,502.30	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	625.57	625.57	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$80.00/ac)	2,001.84	2,001.84	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,876.72	1,876.72	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	1,251.15	1,251.15	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,000.92	1,000.92	0.00	0.00	0.00
	Rodent and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	250.23	250.23	0.00	0.00	0.00
	Patrol Road O&M - 5,450 feet of Aggregate Base Top of Levee - 10 year life cycle (PV = \$20,437.50)	1,998.19	1,998.19	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 25 year life cycle (PV = \$2,500.00/mi)	97.16	97.16	0.00	0.00	0.00
	Long Term Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	13,418.56	13,418.56	0.00	0.00	0.00
		\$626,985.94	\$626,985.94	\$0.00	\$0.00	\$0.00

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	9.77	\$24,439.18
Capital Costs per mile	9.77	\$1,717.88
Pipe Crossing OMRR&R Cost per mile	9.77	\$10,556.93
Pump Station OMRR&R Cost per mile	9.77	\$0.00
Levee Operation and Maintenance per mile	9.77	\$13,087.17
Levee Repair, Rehabilitation, and Replacement per mile	9.77	\$14,373.45
Total Cost per mile	9.77	\$64,174.61
Current per mile	9.77	\$10,059.86

Urban Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Urban Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Urban Pump Station OMRR&R Cost per mile	0.00	\$0.00
Urban Levee Operation and Maintenance per mile	0.00	\$0.00
Urban Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Rural Levee Only

Direct, Admin, & Operations Cost per mile	9.77	\$24,439.18
Capital Costs per mile	9.77	\$1,717.88
Rural Pipe Crossing OMRR&R Cost per mile	9.77	\$10,556.93
Rural Pump Station OMRR&R Cost per mile	9.77	\$0.00
Rural Levee Operation and Maintenance per mile	9.77	\$13,087.17
Rural Levee Repair, Rehabilitation, and Replacement per mile	9.77	\$14,373.45
Total Cost per mile	9.77	\$64,174.61

Internal Drainage per Acre

Internal Drainage per acre	0.00	no drainage
Current Internal Drainage per acre	0.00	no drainage

**RECLAMATION DISTRICT NO. 900
ANNUAL BUDGET**

REVENUE SOURCES	
WSAFCA Property Assessment	\$595,100.00
RD 900 Property Assessment	\$577,280.00
WUSD - Contract O&M Services	\$7,000.00
RD 537 - Contract Admin Services	21,000.00
RD 827 - Contract Admin Services	1,200.00
Total Revenue	\$1,201,580.00
Deficient	(\$271,333.20)

Levee Budget	\$866,433.20
Levee Revenue	\$595,100.00
Levee Shortage	\$271,333.20

ENR Cost Index	0.00%
Interest Rate	0.48%

Item No.	Description of Item	Total 2016/17 Assessment	WSAFCA Funds	RD 900 Funds	WUSD Funds	RD 537 Funds	RD 827 Funds
Reclamation District No. 900 Annual Budget							
Series 5000 - Direct Expenses Employee Salaries and Fringe							
5012	Administration Salary - 1 year life cycle (PV = \$160,000.00)	\$160,000.00	\$43,200.00	\$111,605.57	\$1,600.00	\$4,000.00	\$320.00
5013	Field Personnel Salary - 1 year life cycle (PV = \$255,000.00)	255,000.00	68,850.00	177,871.38	2,550.00	6,375.00	510.00
5014	Overtime and Emergency Work - 1 year life cycle (PV = \$8,000.00)	8,000.00	2,160.00	5,580.28	80.00	200.00	16.00
5015	Trustee Compensation - 1 year life cycle (PV = \$10,000.00)	10,000.00	2,700.00	6,975.35	100.00	250.00	20.00
5021	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$36,000.00)	36,000.00	9,720.00	25,111.25	360.00	900.00	72.00
5022	Retirement - 14% of Employee Salary - 1 year life cycle (PV = \$58,000.00)	58,000.00	15,660.00	40,457.02	580.00	1,450.00	116.00
5023	Medical/Health - 1 year life cycle (PV = \$75,000.00)	75,000.00	20,250.00	52,315.11	750.00	1,875.00	150.00
5025	Workers Compensation Insurance - 1 year life cycle (PV = \$40,000.00)	40,000.00	10,800.00	27,901.39	400.00	1,000.00	80.00
	Retirement Medical Liability - 1 year life cycle (PV = \$37,100.00)	37,100.00	10,017.00	25,878.54	371.00	927.50	74.20
	Dental/Vision Plan - 1 year life cycle (PV = \$11,400.00)	11,400.00	3,078.00	7,951.90	114.00	285.00	22.80
	Contingency Fund - 1 year life cycle (PV = \$15,000.00)	15,000.00	4,050.00	10,463.02	150.00	375.00	30.00
Series 5200 - Administration							
	Accounting/Bookkeeping	\$25,000.00	\$6,750.00	\$17,438.37	\$250.00	\$625.00	\$50.00
	Public Relations	5,000.00	1,350.00	3,487.67	50.00	125.00	10.00
	Independent Audit Consulting	10,000.00	2,700.00	6,975.35	100.00	250.00	20.00
	Engineering Consulting	35,000.00	9,450.00	24,413.72	350.00	875.00	70.00
	Legal Fees	25,000.00	6,750.00	17,438.37	250.00	625.00	50.00
	Assessment Consulting Fees (does not include 218 Election)	10,000.00	2,700.00	6,975.35	100.00	250.00	20.00
	Prop 218 Assessment and Engineers' Report - 25 year life cycle (PV = \$300,000.00)	11,317.62	3,055.76	7,894.43	113.18	282.94	22.64
	Trustee Election Expense - 4 year life cycle (PV = \$15,000.00)	3,722.88	1,005.18	2,596.84	37.23	93.07	7.45
	County and City Fees, Permits, and Licenses	6,000.00	1,620.00	4,185.21	60.00	150.00	12.00
	County Tax Collector Assessment Processing Fee	12,000.00	3,240.00	8,370.42	120.00	300.00	24.00
	Property Taxes	9,500.00	2,565.00	6,626.58	95.00	237.50	19.00
	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	45,000.00	12,150.00	31,389.07	450.00	1,125.00	90.00
	Insurance - Deductibles	2,500.00	675.00	1,743.84	25.00	62.50	5.00
	Uninsured Losses	2,000.00	540.00	1,395.07	20.00	50.00	4.00
	Computer software and hardware	5,500.00	1,485.00	3,836.44	55.00	137.50	11.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Office	14,400.00	3,888.00	10,044.50	144.00	360.00	28.80
	Office Rent/Lease	9,000.00	2,430.00	6,277.81	90.00	225.00	18.00
	Office Equipment/Furniture	2,500.00	675.00	1,743.84	25.00	62.50	5.00
	Office Repairs	2,500.00	675.00	1,743.84	25.00	62.50	5.00
	Office Supplies	2,000.00	540.00	1,395.07	20.00	50.00	4.00
	Safety Equipment and Safety Training	1,500.00	405.00	1,046.30	15.00	37.50	3.00
	Flood Fight Training	1,500.00	405.00	1,046.30	15.00	37.50	3.00
	Uniforms	3,500.00	945.00	2,441.37	35.00	87.50	7.00
	Security Services	600.00	162.00	418.52	6.00	15.00	1.20
	Legal Ads/ Notices	3,500.00	945.00	2,441.37	35.00	87.50	7.00
	Newspaper Service	500.00	135.00	348.77	5.00	12.50	1.00
	Contingency Fund	15,000.00	4,050.00	10,463.02	150.00	375.00	30.00
Series 5400 - Operations							
	Shop Supplies - 1 year life cycle (PV = \$2,000.00)	\$2,000.00	\$540.00	\$1,395.07	\$20.00	\$0.00	\$0.00
	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	945.00	2,441.37	35.00	0.00	0.00
	Vehicle/Equipment Repair/Service - 1 year life cycle (PV = \$3,500.00)	3,500.00	945.00	2,441.37	35.00	0.00	0.00
	Vehicle/Equipment Parts/Supplies - 1 year life cycle (PV = \$5,000.00)	5,000.00	1,350.00	3,487.67	50.00	0.00	0.00
	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$6,000.00)	6,000.00	1,620.00	4,185.21	60.00	0.00	0.00
	Refuse Collection - 1 year life cycle (PV = \$1,000.00)	1,000.00	270.00	697.53	10.00	0.00	0.00
	Facility Repairs - Shop - 1 year life cycle (PV = \$10,000.00)	10,000.00	2,700.00	6,975.35	100.00	0.00	0.00
	Vehicle Replacement/Acquisition Fund - 1 year life cycle (PV = \$40,000.00) (assume 12 vehicles - replace one per year)	40,000.00	10,800.00	27,901.39	400.00	0.00	0.00
	Equipment Replacement/Acquisition Fund - 1 year life cycle (PV = \$50,000.00) (assume 8 items - replace one per year)	50,000.00	13,500.00	34,876.74	500.00	0.00	0.00
	Emergency Flood Fight Fund - 5 year return period (PV = \$150,000.00)	29,711.00	8,021.97	20,724.46	297.11	0.00	0.00
	NPDES Spraying Permit - 1 year life cycle (PV = \$25,000.00)	25,000.00	6,750.00	17,438.37	250.00	0.00	0.00
	Contingency Fund - 1 year life cycle (PV = \$20,000.00)	20,000.00	5,400.00	13,950.70	200.00	0.00	0.00

**RECLAMATION DISTRICT NO. 900
ANNUAL BUDGET**

Item No.	Description of Item	Total 2016/17 Assessment	WSAFCA Funds	RD 900 Funds	WUSD Funds	RD 537 Funds	RD 827 Funds
Reclamation District No. 900 Annual Budget							
Series 11400 - Tweaker Drain - 600' - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$43.04	\$0.00	\$43.04	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	8.61	0.00	8.61	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	17.22	0.00	17.22	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac)	8.61	0.00	8.61	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	17.22	0.00	17.22	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$450.00/ac)	154.96	0.00	154.96	0.00	0.00	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$50.00/ac)	17.22	0.00	17.22	0.00	0.00	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
		\$3,411,098.22	\$866,433.20	\$2,495,690.55	\$22,796.89	\$24,238.51	\$1,939.08

Combined Urban and Rural

Direct, Admin, & Operations Cost per mile	14.14	\$22,252.95
Capital Costs per mile	14.14	\$2,231.80
Pipe Crossing OMRR&R Cost per mile	14.14	\$0.00
Levee Operation and Maintenance per mile	14.14	\$18,798.13
Levee Repair, Rehabilitation, and Replacement per mile	14.14	\$18,000.00
Total Cost per mile	14.14	\$61,282.88
Current per mile	14.14	\$42,091.47

Urban Levee Only

Direct, Admin, & Operations Cost per mile	14.14	\$22,252.95
Capital Costs per mile	14.14	\$2,231.80
Urban Pipe Crossing OMRR&R Cost per mile	14.14	\$0.00
Urban Levee Operation and Maintenance per mile	14.14	\$18,798.13
Urban Levee Repair, Rehabilitation, and Replacement per mile	14.14	\$18,000.00
Total Cost per mile	14.14	\$61,282.88

Rural Levee Only

Direct, Admin, & Operations Cost per mile	0.00	\$0.00
Capital Costs per mile	0.00	\$0.00
Rural Pipe Crossing OMRR&R Cost per mile	0.00	\$0.00
Rural Levee Operation and Maintenance per mile	0.00	\$0.00
Rural Levee Repair, Rehabilitation, and Replacement per mile	0.00	\$0.00
Total Cost per mile	0.00	\$0.00

Internal Drainage per Acre

Internal Drainage per acre	8,000.00	\$311.96
Current Internal Drainage per acre	8,000.00	\$72.16

Appendix B

Summary of Process and Issues Consolidation of Reclamation
Districts and State Maintaining Agencies

Drafted by Andrea Clark of Downey Brand LLP

Appendix B

Summary of Process and Issues Consolidation of
Reclamation Districts and State Maintaining Agencies
Drafted by Andrea Clark of Downey Brand LLP

This document first summarizes the process typically required for two reclamation districts (RDs) or other local agencies to consolidate. It then provides an analysis of the concept of consolidating a state Maintenance Area (MA) – such as Maintenance Area Nos. 3, 7, and 16 in the Feather River region – with an existing local agency such as an RD.

In short, MAs cannot be consolidated with RDs, as MAs are governed separately by the Department of Water Resources (the “Department”) or the Central Valley Flood Protection Board (the “Board”). As such, Local Agency Formation Commissions (“LAFCo”) do not have jurisdiction over MAs.

If a local agency desired to assume the obligations of an MA, it would likely have to seek the dissolution of the MA in conjunction with an assumption of the MA’s obligations.

Consolidation of Local Agencies Generally

A. Basic Procedure¹

There are four general methods by which consolidation of local agencies may occur. First, LAFCO may initiate consolidation if consistent with conclusions made during a municipal service review, and certain findings are made. (Govt. Code. § 56375(a-b).) Second, a single district can seek consolidation with another (Govt. Code. § 56658(a).) Third, consolidation may be initiated by two or more districts, with each adopting the required Resolution of Application to LAFCO. (Govt. Code. § 56853(a).) Fourth, consolidation may occur by petition of landowners in each district. (Govt. Code. § 56865)

Notice of the proposed consolidation is required. Generally, if written protests are filed by a certain minimum percentage of landowners, an election is required and the consolidation must be submitted to a vote. (Govt. Code. § 57113(a).) Consolidation under those circumstances then requires a majority of voting landowners in favor; tenants are not able to vote.

As part of any LAFCO municipal service review/engineer’s report, LAFCO’s costs are paid by the district. LAFCO, as part of its review, may also want assurances from state or federal agencies that levees have been properly maintained and their ongoing maintenance will not be impacted by any proposed consolidation. In other words, the successor district must demonstrate that it can and will carry out all obligations of each predecessor district.

Typical costs for consolidation include a \$1500 deposit with LAFCO, billed against by LAFCO on a time and overhead basis for the actual cost of processing the approval. Depending on the extent of the required work and its estimated cost, LAFCO may require a separate funding agreement with local agencies. LAFCO legal fees for a consolidation proceeding are estimated to be \$5,000 if the

¹ http://www.sutterlafco.org/pdf/Rules_of_Procedure.pdf;
http://www.calafco.org/docs/Special_Districts/Metamorphosis_of_Special%20Districts.pdf

consolidation is straightforward and does not require an election. A local agency's legal fees are estimated to be up to \$5,000 for a similarly straightforward process. The allocation of work, however, between the local agency and LAFCO staff may be on a sliding scale, such that local agencies and LAFCO need not duplicate efforts. Further, environmental review and related compliance costs should be minimal for any potential consolidation.

B. Practical Issues

Efficiency – LAFCO may initiate a consolidation on its own when the public costs are less than or substantially similar to the costs of providing the service and public access and accountability for community service needs and financial resources are promoted by consolidation. (Govt. Code. § 56881(b).) In sum, efficiency and transparency matter.

Debts/Liabilities – The consolidated district succeeds to all the powers, rights, duties, obligations, functions, and properties of the predecessor districts that consolidated to form the new district. (Govt. Code. § 57500.) A consolidated district becomes liable for all debts of the predecessor districts (Govt. Code. § 57502). Indeed, the consolidated district fully “steps into the shoes” of the predecessor districts and it is treated as if the “consolidated district had been originally formed under the principal act.” (Govt. Code. § 57500) On occasion, however, there may be equitable concerns if one predecessor district has significant debt, and landowners within the other predecessor district are required to cover that debt burden via the new, consolidated district.

Governance – The existing spheres of influence, the efficiency of services provided, and the transparency and compliance record of a district to be consolidated are important factors for LAFCO when evaluating consolidation. (Govt. Code. § 56375(a).)

Employment – In analyzing any proposed consolidation, LAFCO will also likely evaluate if either predecessor district currently retains employees, and will expect a competent employment plan and retirement system for the successor district's employees. Consideration should also be given to the number of landowners in each district and whether they are agreeable to the consolidation. As noted, an election may be required if, generally, more than 10-25 percent of landowners or voters protest the consolidation.

Assessments and Bonds – The territory of a consolidated district is liable for any outstanding or subsequently issued bonds of the predecessor districts. (Govt. Code 57502.) Indeed, the consolidated territory is subject to the levying, fixing and collection of any tax, assessment, service charge, rental, or rate which may be necessary to provide for that payment. (*Id.*) Limitations exist however for improvement districts. Only the territory within an improvement district is liable for any payment required on account of any bonds, including revenue bonds or other contracts previously authorized or issued by, or on behalf of, the improvement district. (*Id.*) In other words, the obligations within an improvement district remain unchanged by the consolidation of districts.

Under the separate process of annexation, the annexed area becomes subject to the previously authorized taxes, benefit assessments, fees and charges. (*Citizens Ass'n of Sunset Beach v. Orange County Local Agency Formation Com'n* (2012) 209 Cal.App.4th 1182.) This is true whether the annexation is voted on or involuntary (such as an island annexation pursuant to Govt. Code § 56375.3). (*Id.* at 1199.) However, LAFCO can, under its discretion, still separately condition annexation upon voters' approval of any general or special tax. (Govt. Code §56886.) Thus, while Proposition 218 does

not apply to annexations, LAFCo may independently require a similar vote as a condition of approval of the annexation.

Maintenance Areas

Maintenance Areas are Beyond LAFCo's Jurisdiction.

LAFCo's powers are enumerated in Government Code Section 56375 and include "[t]he consolidation of a district, as defined in Section 56036." (*Id.*)

A district is defined as "an agency of the state, formed pursuant to general law or special act, for the local performance of governmental or proprietary functions within limited boundaries and in areas outside district boundaries when authorized by the commission pursuant to Section 56133."

A "district" or "special district" includes a county service area, but **excludes** assessment districts or special assessment districts. (*Id.* at § 56036 [emphasis added].) Thus, a "district" within LAFCo's jurisdiction does not include an assessment district or special assessment district. Assessment districts and special assessment districts are further defined as:

"an area fixed, established, and formed by a city, county, district, or the state, pursuant to general law, special act, or charter, that is specially benefited by, and assessed, or to be assessed, to pay the costs and expenses of, acquiring any lands or rights-of-way, acquiring or constructing any public improvements, maintaining or operating any public improvement, or lighting any public street, highway, or place."

(Gov. Code, § 56075 [emphasis added].) This is essentially what Mas are: they are established and formed by the state to assess landowners for the purpose of paying the costs and expenses of maintaining flood control levies, and are considered assessment districts. (see Op. Atty.Gen 351.) Because MAs are assessment districts under section 56075, MAs are excluded from the definition of "district" under section 56036, and are beyond LAFCo's jurisdiction as enumerated in section 56375. Thus, LAFCo cannot consolidate, merge, or modify an MA.

The Creation, Consolidation and Dissolution of Maintenance Areas

Creation

The purpose of MAs is to provide maintenance on flood control levies when local agencies fail in their responsibility to do so. MAs are created by the Department of Water Resources (the "Department") or the Central Valley Flood Protection Board (the "Board") pursuant to Water Code section 12878 et. seq.

Consolidation/Modification

MAs may be consolidated with other MAs that share a common boundary. (Wat. Code, § 12878.23.) MAs may also be modified by changing their boundaries, changing the description of works to be maintained, or changing the determination of benefits within the MA's zone. (*Id.*) Any such changes may be done *sua sponte* by the Board or Department, or upon petition to the Board or Department. (*Id.*)

Dissolution

Dissolution of an MA may occur by petition to the Board or Department upon a finding it is in the best interests of the state to dissolve the MA. Specifically, the dissolution process is provided for in the event a local agency desires to assume the MA's obligations:

“[A]ny local agency desirous of assuming the obligation of operating and maintaining any unit concerning which unit a maintenance area has been formed pursuant to this article, may petition the board or department to dissolve such maintenance area, and the board or department, after a hearing, may dissolve such maintenance area if in its discretion it finds it to be in the best interest of the State to do so.”

(Water Code, § 12878.22.) Thus, the creation, consolidation, and dissolution of MAs is specifically provided for under the Water Code. In the event a local agency such as a RD desires to assume the obligations of the MA, it may petition the Department or the Board for dissolution of the MA. As the purpose of MAs is to “gap fill” for local agencies that are not fulfilling their maintenance obligations, from a policy perspective it is understandable that there is no procedure for consolidating the state MAs with a local agency.