THREE RIVERS LEVEE IMPROVEMENT AUTHORITY
Yuba County Government Center, Board Chambers
915 Eighth Street, Suite 109A
Marysville, California

SPECIAL MEETING
JUNE 28, 2011 – 2:00 P.M.

No other business shall be conducted at this meeting. The public shall have an opportunity to address the Authority only with respect to items set forth in this agenda. Each individual or group will be limited to no more than five minutes. Prior to this time, speakers must fill out a “Request to Speak” card and submit it to the Clerk of the Board of Supervisors.

I ROLL CALL – Directors Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti

II CONSENT AGENDA
A Approve minutes of the meeting of June 7, 2011.

III ACTION ITEMS
A Accept Proposed Budget for Reclamation District 784 for Levee Maintenance for Fiscal Year 2011-2012.
B Adopt resolution updating and ordering levy of assessments within the Levee and Flood Control Facilities Assessment District for Fiscal Year 2011-2012.
C Approve Amendment No. 16 to the agreement with MBK Engineers in the amount of $526,270 for additional Goldfields analysis and authorize the Executive Director to execute same.
D Accept Proposed Budget for Fiscal Year 2011-2012; make copies available for public inspection; set Final Budget Hearing to begin on Tuesday, July 19, 2011 at 3:00 p.m.

IV BOARD AND STAFF MEMBERS’ REPORTS

V ADJOURN

The complete agenda, including backup material, is available at the Yuba County Government Center, 915 8th Street, Suite 109, the County Library at 303 Second Street, Marysville, and www.trlia.org. Any disclosable public record related to an open session item on the agenda and distributed to all or a majority of the Board of Directors less than 72 hours prior to the meeting are available for public inspection at Suite 109 during normal business hours.

In compliance with the American with Disabilities Act, the meeting room is wheelchair accessible and disabled parking is available. If you have a disability and need disability-related modifications or accommodations to participate in this meeting, please contact the Clerk of the Board's office at (530) 749-7510 or (530) 749-7353 (fax). Requests must be made one full business day before the start of the meeting.
A meeting of the Board of Directors of the Three Rivers Levee Improvement Authority (TRLIA) was held on the above date, commencing at 3:30 p.m., within the Government Center, Marysville, California, with a quorum being present as follows: Directors Rick Brown, Jerry Crippen, Don L. Graham, Mary Jane Griego, and John Nicoletti. Also present were Executive Director Paul Brunner, Counsel Scott Shapiro, and Clerk of the Board of Supervisors/Secretary Donna Stottlemeyer. Chair Griego presided.

I  ROLL CALL – Directors Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti – All present.

II  CLOSED SESSION: The Board retired into closed session at 3:31 p.m., with the exception of Director Crippen, to discuss the following:

A. Pending litigation pursuant to Government Code §54956.9(a) - TRLIA vs. Luis YCSCCVED 10-0000903

The Board returned from closed session at 4:19 p.m. with all present as indicated above. There was no report.

II  PUBLIC COMMUNICATIONS: None.

III  CONSENT AGENDA: All matters listed under the consent agenda are considered to be routine and can be enacted by one motion.

A. Approve minutes of the meeting of May 17, 2011. Approved.

   MOTION: Move to approve    MOVED: John Nicoletti    SECOND: Rick Brown
   AYES: Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti
   NOES: None    ABSTAIN: None    ABSENT: None

IV  ACTION ITEMS

A. Adopt resolution amending and superseding Resolution No. 2010-6 and declaring necessity for acquisition of certain property interests of property identified as Assessor's Parcels Nos. 018-200-008, 018-200-007, 018-200-005, and 018-210-035 (Luis, Daniel and Luis, Anthony J. and Zelma B.) for the Upper Yuba River Levee Improvement Project. Pulled from consideration.

B. Authorize Director Nicoletti and Executive Director Paul Brunner to attend the Flood Management Association Conference held September 6 – 9, 2011 in San Diego in an amount not to exceed $3,000. Executive Director Paul Brunner recapped conference benefits and responded to inquiries.

   MOTION: Move to approve    MOVED: Jerry Crippen    SECOND: Rick Brown
   AYES: Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti
   NOES: None    ABSTAIN: None    ABSENT: None
C. Approve assignment of consulting services agreement with Capitol Public Finance Group, LLC to Seth Wurzel Consulting, Inc. and authorize the Executive Director to execute same.

   MOTION: Move to approve        MOVED: John Nicoletti       SECOND: Jerry Crippen
   AYES: Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti
   NOES: None                      ABSTAIN: None            ABSENT: None

D. Approve change order for River Partners in the amount of $35,560.79 and authorize the Executive Director to execute upon review and approval of Counsel. Executive Director Paul Brunner recapped plant care and planting and responded to Board inquiries.

   MOTION: Move to approve        MOVED: Rick Brown        SECOND: Don Graham
   AYES: Rick Brown, Jerry Crippen, Don Graham, Mary Jane Griego, John Nicoletti
   NOES: None                      ABSTAIN: None            ABSENT: None

V BOARD AND STAFF MEMBERS' REPORTS: Reports were received on the following:

Counsel Scott Shapiro: Downey Brand agreement not posted on the internet

Executive Director Paul Brunner:
- Upper Yuba Levee project construction schedule and workers
- Interview panel for engineering position at Sutter Butte Flood Control Agency
- State Mining and Geology Board meeting regarding mining permit
- Documentary by KVIE
- Liability and security regarding opening of Feather River setback area for public use
- Planting of poison oak, berry trees etc. at Cultural sites and no disclosure of site location

VI ADJOURN: 4:45 p.m. by Chair Griego.

______________________________               Chair

ATTEST: DONNA STOTLEMEYER
CLERK OF THE BOARD OF SUPERVISORS
AND SECRETARY OF THE PUBLIC AUTHORITY

______________________________               Approved: ________________
June 28, 2011

TO: Three Rivers Levee Improvement Authority Board
FROM: Paul Brunner, Executive Director
SUBJECT: FY 2011/12 TRLIA Benefit Assessment District Revenues and FY 2011/12 RD784 Levee Maintenance Budget

Recommendation:

Review and accept the proposed RD784/TRLIA proposed FY11/12 budget for maintenance of levees improved by TRLIA.

Background:

On June 2, 2009 the TRLIA Board adopted a resolution to form the Benefit Assessment District to pay for long-term maintenance and operations on approximately 29 miles of improved levees.

On August 4, 2010 TRLIA and RD784 signed a MOA that outlined the relationship of the Organization in regards to using the TRLIA Assessment revenues. RD 784 is to operate and maintain improved levees and TRLIA's formation of the Assessment District is to fund that operation and maintenance. In addition, the MOA sets forth the budget process that will take place annually. TRLIA and RD 784 will work cooperatively to prepare a budget that clarifies how the assessment district funds will be used. The TRLIA Board will then review and accept that budget. As TRLIA has informed the public throughout the assessment district process, the TRLIA Board will participate in the RD 784 levee maintenance budgeting process to ensure that assessment revenues are being used to achieve the operations and maintenance requirements of the many federal, State, and local agreements signed by TRLIA. In addition, TRLIA must review the budget in order to ensure that the assessment funds will be used for the purposes approved by the benefited property owners. The MOA also provides for the transfer of revenues from TRLIA to RD 784. Finally, the MOA provides for an administrative fee for TRLIA's management of the assessment in the amount of TRLIA's actual costs or 3% of the project assessment revenues, whichever is less.

The RD 784 FY10/11 target revenue was $800,000 from the TRLIA Benefit Assessment. As of May 24, 2011 TRLIA has received in FY10/11 $773,654.54 through the TRLIA District and also $36,274.48 from FY 09/10 as late payments and direct billings from SCI/TRLIA. The revenues were distributed as follows:

- RD784 for Levee Maintenance: $753,300.02 FY10/11 + $36,274.48 FY09/10 for a total of $789,574.50
- TRLIA for Administrative Expenses: $16,000 FY10/11
- County for Administrative Expenses: $2,620.40 FY 10/11
**Discussion:**

In FY10/11 TRLIA levied assessments in the amount of $835,155.30, which were not achieved. Based on actual revenues received in FY10/11, RD784 can anticipate approximately $790,000 from FY11/12 and FY10/11 late and direct assessments.

The proposed RD784 Budget for FY2011/12 uses this approximate amount from TRLIA. The proposed RD784 budget does not provide funding for anticipated Emergency repairs to the levees and pumps stations that were caused respectively by weather conditions and theft during FY 2010-2011. Examples are: 1) the WPIC Crack, which cost an initial $15,000 in FY10/11 and will need an additional unestimated expense in FY 2011/12; 2) Beaver Damage in the WPIC (Estimated $10,000) and, 3) an erosion hole on the Feather River Levee near the Water Treatment Plant (Estimated $10,000). There could be easily more emergency expenses in FY2011/12.

The TRLIA Board will consider the FY 2011/12 collection of Levee O&M assessments for approximately $835,000 to $869,000 at the June 28, 2011 TRLIA Board meeting.

TRLIA staff did provide input to RD784 as the levee maintenance budget specifics were developed. TRLIA staff have reviewed the proposed RD784 FY2011/12 budget for maintenance of levees improved by TRLIA and concurs with the projected expenditures and believes the proposed levee maintenance budget adheres to the criteria outlined in the TRLIA approved Engineers Report.

**Fiscal Impact:**

TRLIA’s Benefit Assessment is projected to generate approximately $800,000 in FY 2011-12. Assessment revenues will be collected by the County Assessor, deposited into TRLIA’s Assessment Benefit Account No. 818, and then transferred to RD784 to use for levee maintenance minus County and TRLIA administrative expenses.

Attachment:
RD784 Proposed FY11/12 Budget for levee maintenance
Who We Are and How We Got Started: Origin of Reclamation Districts
Reclamation Districts began when farmers mounded soil to protect farm land from flooding by nearby rivers. The State Legislature passed legislation (the Water Code 5000) allowing Reclamation Districts to form as a way to pay the costs associated with "reclaiming" the land. This law provides a means for counties to finance the reclamation of land that has been made unusable due to overflow or flooding. Services and facilities that can be financed by a Reclamation District include all things "necessary and convenient" to reclaim the land. Items commonly financed include facilities and services for sewage and waste removal and facilities to be used for the irrigation of lands inside or outside the district. (Source: California Property Tax Information: What is a Reclamation District?)

Local Reclamation Districts in Yuba County provide protection through a system of levees on the Yuba, Bear, and Feather Rivers and other creeks and streams. Local Reclamation Districts are also responsible for the maintenance and operation of levees, pump stations and internal drainage canals.

History of 784
Reclamation District 784 was established in May 1908 and operates under the authority of the State of California’s Central Valley Flood Protection Board and the Department of Water Resources. RD784 covers approximately 29,000 acres including 29.7 miles of urban levees, more than 60 miles of internal drainage canals, nine pumping stations and 7.44 miles of rural levees. Currently, the District protects approximately 37,000 people and over $1.1 Billion worth of infrastructure and personal property. In the past, farmers maintained the drainage ditches adjacent to their fields at their expense. As development converted farm fields into residential areas, farmers maintained fewer ditches and internal drainage became more costly.

A board of trustees made up of 5 local landowners is the local governing body and they are elected to serve 4 year terms.

Where Are We Located
The district's boundaries are: North- Yuba River, South- Bear River, West- Feather River, East- Western Pacific Interceptor Canal. The district encompasses approximately 2,000 commercial buildings and more than 12,500 residences.

RD784 Responsibilities
RD784 has two primary responsibilities: maintenance of the district's levee system, drainage facilities and pumping stations and flood fighting and patrols on district levees during times of high water. The primary funding for the district to accomplish their responsibilities comes from annual assessments on each property within the district.
District Staff
RD784 currently has a total of 5 personnel: a General Manager, Office Manager and 3 maintenance workers. The Field Superintendent position is currently vacant but is expected to be filled in the next several months.

Budget Process Overview

The budget was developed in four parts: an overall operation and maintenance budget, an urban district levee budget, a required enhanced budget and a combination internal drainage and rural district levee budget. The last two sub-budgets describe how the overall budget was actually funded. This approach was needed because funding was derived from separate dedicated sources. Those funding sources are described below.

Funding Sources
Reclamation District 784 receives Operations and Maintenance income from several sources:
1. The RD 784 1999-2000 Benefit Election (218) which assessed land owners within RD 784's District's current boundary benefitting from both levee and internal drainage protection. ($665,540 split between: Urban Levee- $247,000 and Rural Levee and Internal Drainage- $418,540)
2. Community Service Area (CSA) funds from specific neighborhoods which are dedicated for levee protection and specific internal drainage tasks. ($47,000)
3. The Three Rivers Benefit Assessment (218) which assessed land owners both within and outside the current RD 784 District geographical boundary whom is protected by the levees operated and maintained by District 784. ($789,574.50)
4. FY 2010-2011 Carry over. (Estimated $30,000)
5. Signage Rental Income ($6000)

Contract Income
The District operates and maintains the Olivehurst pump station under contract for Yuba County Public Works. This income is offset by costs. This contract allows the District to electronically monitor and control the pump station with a computerized system that will eventually be installed on all of the District's internal drainage pumps.

Development Funds
Reclamation District 784 also receives Impact Fees from developers to pay for infrastructure development. These funds are committed only to infrastructure development and cannot be used for Operations or Maintenance. Newly built infrastructure generally requires less maintenance although operational costs increase as additional infrastructure is brought on-line. In 2010-2011, the Wheeler Basin project constructed a gravity line into the Ella Basin and finished required improvements to assure the Wheeler homeowners were safe from 100 year storm events. The construction was funded with developer money and did not impact the operations and maintenance budget.
Grant funding was sought to complete the Regional Detention Basin and Pumping Station at Ella Basin. The grant writing process cost approximately $65,000 for engineering and financial analysis. If successful, the District would glean approximately $4.5 million dollars, reducing the overall impact fee costs making the area more attractive to residential and commercial development.

**Funding Limitations**

**RD784 1999-2000 Benefit Election**

These funds were originally assessed to operate and maintain all the current RD784 levees and the internal drainage needs within the District. Even with residential and commercial growth, these funds were inadequate as costs mandated by evolving federal and state regulations grew faster than income. Costs also increased as community expectations grew with District urbanization. Burning levees and ditches, a common past practice, became less acceptable and is now an exception rather than a rule. A variety of other methodologies are used which require additional equipment and personnel and often require contract services. Additional monitoring devices are now a part of the levee system which requires additional manpower, technology and costs. Increased state reporting and maintenance requirements have also increased needs for technical infrastructure, training and time.

The economic downturn reduced District income. The Yuba County Treasurer and Auditor/Controller removed the District from Teeter funding in 2008. Assessment funds not paid by parcel owners were lost to the District during that tax cycle. The 2008-2009 budget cycle payment was approximately $200,000 less than anticipated. In 2009, Teeter funding was partially reinstated. State, County and the Yuba County Airport fees remained outside the Teeter fund reimbursement program. The total amount collected under the District’s Benefit Assessment (218) is not currently known so but is not expected to exceed FY 2010-11 levels. The budget will be adjusted when those final figures are determined.

The Three Rivers Benefit Assessment was not included in the Teeter program. In May 2011, TRLIA transferred $789,574.50 into the District’s accounts.

**Overall RD784 Operations and Maintenance Budget**

The overall RD784 budget was developed by combining the levee and the internal drainage/rural levee budgets. Several overarching concepts were used during the budgeting process:

1. No funds were spent that were not already collected.
2. Costs of equipment, personnel and overhead for the overall organization were split 70-30 between the combined urban district levee budgets (ULB) and the internal drainage/rural levee budget (RLB).
3. Costs attributable to a single budget were added to only that budget.
4. Given the complexity of the budgeting process the 70-30 split would not be absolute and some flexibility would be required.
5. Due to past income deficiencies and deferred projects, past spending did not always reflect actual need. Internal drainage maintenance was often deferred so levee maintenance could be completed.

6. The budget was designed to only allocate anticipated funds. Contingency funds were set aside to deal with emergency costs and repairs.

7. No new employees would be hired and contract or temporary workers would be hired to complete specific assignment/ tasks. Vacant positions were left unfilled as long as possible to minimize expenses.

8. No funds were allocated for one-time purchase of the “basic equipment” identified as needed in the TRLIA Benefit Assessment Engineering study.

**Budget Highlights**

Employees will be only be hired during FY 2011-2012 to fill vacant positions. Organizational growth is not anticipated. Organizational efficiencies and use of contract personnel during FY 2010-2011 proved effective in meeting organizational needs. That strategy will continue to be employed unless and until conditions change.

The purchase of “needed basic equipment” was not built into the original TRLIA or RD784 benefit assessment budgets. “Needed basic equipment” would have to be purchased as money was available over time or on credit. During FY 2011-2012, equipment purchase will be deferred to build reserves and contract services will continue to be used.

Hiring temporary personnel, limiting spending and postponing equipment purchasing were successful strategies which will continue in FY 2011-2012. The District anticipates savings which will be used to pay outstanding bills and create reserve accounts. This strategy may prevent the District from having to borrow money as it had in the past to respond to unanticipated problems or unfunded government mandates.

The urban levee budget as proposed during the original TRLIA assessment election process required the District to contribute $247,000 from its original 218 assessment budget. That requirement continues in the 2011-2012 budgets. The FY 2010-2011 budget has not yet been closed and carry over funds have been estimated.

**Unique Budget Costs**

**Original RD784 Budget Unique Costs**

Expenses for internal drainage and the rural levees are identified and 100% of those costs are identified and not cost shared. Those costs are funded by the original RD784 Benefit assessment less $247,000 originally designated for levee maintenance within that assessment. Income from CSA assessments and rental income were also included in this budget.
TRLA Budget Unique Costs:
Expenses unique to the operation and maintenance of the urban levee system were identified and 100% of those costs were not cost shared. Those costs are funded with $247,000 of the original RD784 assessment and the $789,574.50.

FY 2011-2012 Budget Contingency Accounts:
Contingency accounts are split into three categories: Urban Levee only, Internal Drainage/Rural Levee only and split on a 70/30 basis. There accounts are located at the end of the budget document are identified by color.

Contingency Accounts:
In the past, contingency funds were not routinely allocated until the 2010-2011 budget and those funds were generally insufficient to handle unexpected expenses or to pay off long standing loans. A 1997 loan from the Yuba County Water Agency to pay for needed repairs following the 1997 flood is still being slowly paid off. In this budget, additional contingency accounts were identified to address current and future needs. These accounts were identified to prevent future unfunded mandates and unexpected needs.

Summary:
The FY 2011-2012 budget will be the second year in which the TRLIA assessment funds will be utilized. Due to the uncertain economic conditions of FY 2009-2010, no TRLIA funds were spent until received by the District. While the FY 2010-2011 budget is not yet closed, reserves were estimated. Economic conditions, governmental regulations and regulatory requirements are expected to continue to change and increase costs. Additional levee safety features requiring rehabilitation and monitoring were added. Some jobs changed as the organization matured requiring more sophisticated skills. Management intends to utilize temporary workers and outside contractors to reduce costs whenever possible.

Emergency repairs to the levees and pumps stations were caused respectively by weather conditions and theft during FY 2010-2011. The WPIC Crack costs an initial $15,000 with additional costs expected in FY 2011-2012. The Waterside Feather River Levee Repair at the Linda Water area cost $23,288. The Rural Levee Pipe Repair costs $75,543 in FY 2010-2011. The damage to the Pump Station 6 cost the District $1000 for an insurance deductible. Total costs: $113,831

Following extensive damage, additional cement blocks used to protect the levees and drainage basins costing $16,149 were purchased and placed. These costs were funded through savings in the FY 2010-2011 budget by not filling vacant positions and postponing repairs into FY 2011-2012. Total Cost: $16,149

Carry over emergency repairs from FY 2010-2011 include the WPIC Crack (Estimated $12,000), Beaver Damage in the WPIC (Estimated $10,000) and an erosion hole on the Feather River Levee near the Water Treatment Plant (Estimated $10,000). Total Estimated Costs: $32,000.
**TRLIA Benefit Assessment Inflator:**

In 2010, the TRLIA Board opted not to use the annual inflator to increase the assessment fees. There were no emergency repairs needed to the levee at that time. At that time, the costs of electronic monitoring were not known. Today, there are needed levee repairs and the costs of electronic monitoring were greater than expected. Additional surveying and monitoring to document an erosion site south of Star Bend is needed.

In the FY 2011-2012 budget, the TRLIA Assessment funds are fully allocated to current operations and maintenance functions. The emergency repairs will be partially funded with carryover funds.

The Reclamation District 784 Board of Trustees requests the TRLIA Board use the annual inflator in FY 2011-2012 budget to help fund the needed levee repairs.
## RD784 2011-2012 Budget

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### Total Budget Available: $1,538,134.50

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#### Pump Station Maintenance and Repairs

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<th>Expense</th>
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<th>TRlIA</th>
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<tbody>
<tr>
<td>Annual Pump Maintenance Contracts</td>
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<td>Additional Contract Labor</td>
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<td>Fuel &amp; Oil</td>
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<td>Chemical - Weed and Rodents</td>
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## Urban Levee Maintenance and Repair

<table>
<thead>
<tr>
<th>Service</th>
<th>TRUA</th>
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<tr>
<td>Contract Services-Goats</td>
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<td>Contract Welding Services</td>
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<tr>
<td>Contract Relief Well Services</td>
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<tr>
<td>Chemical - Weed and Rodents</td>
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## Rural Levee Maintenance and Repair

<table>
<thead>
<tr>
<th>Service</th>
<th>RD784</th>
<th></th>
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<tbody>
<tr>
<td>Goats &amp; Sheep Contract</td>
<td>$14,000</td>
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<tr>
<td>Contract Maintenance Services</td>
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</tr>
<tr>
<td>Contract Welding Services</td>
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<td></td>
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<tr>
<td>Materials and Supplies</td>
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<tr>
<td>Chemical - Weed and Rodents</td>
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</table>

## Ditches & Canals Maintenance & Repairs

<table>
<thead>
<tr>
<th>Service</th>
<th>RD784</th>
<th></th>
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<tbody>
<tr>
<td>Goats &amp; Sheep Contract</td>
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<tr>
<td>Contract Maintenance Services</td>
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<tr>
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<td>$2,000</td>
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</tr>
<tr>
<td>Materials and Supplies</td>
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</tr>
<tr>
<td>Chemical - Weed and Rodents</td>
<td>$2,000</td>
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</tbody>
</table>

## District Support

<table>
<thead>
<tr>
<th>Service</th>
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<tbody>
<tr>
<td>Chemical Training</td>
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<tr>
<td>Training Seminars</td>
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<td>Trustee Compensation</td>
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<td>Miscellaneous Licenses Permits</td>
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<tr>
<td>Other Meetings Compensation - Trustees</td>
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<td>Misc Reimbursements - Mileage, Meals</td>
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<td>Membership Dues &amp; Associations</td>
<td>$8,500.00</td>
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<td>Contract Services - Fence Repairs</td>
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<td>Contract Employee Services</td>
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<td>Building Replacement</td>
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## Grant Writing Services

<table>
<thead>
<tr>
<th>Service</th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Outside Grant Writing Contract Services</td>
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<td>Internal Grant Writing Services</td>
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## Liabilities Loans

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<thead>
<tr>
<th>Service</th>
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<tbody>
<tr>
<td>YCWA - Yuba County Water Agency</td>
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<tr>
<td>Reclamation District Truck Loan</td>
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<td>$9,800.00</td>
<td>$4,200.00</td>
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## Contingency

<table>
<thead>
<tr>
<th>Service</th>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Equipment</td>
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<td>$30,000</td>
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</tr>
<tr>
<td>Land</td>
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<tr>
<td>Building</td>
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<td>Emergency</td>
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## Building Replacement

<table>
<thead>
<tr>
<th>Service</th>
<th>RD784</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical</td>
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<tr>
<td>Flood Fighting</td>
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<tr>
<td>Security Improvements</td>
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<tr>
<td>Retirement</td>
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<td>Payroll</td>
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## Totals

<table>
<thead>
<tr>
<th>Service</th>
<th>TRUA</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Totals</td>
<td>$1,538,135.00</td>
<td>$1,066,444.50</td>
<td>$471,690.50</td>
</tr>
</tbody>
</table>
June 28, 2011

TO: Three Rivers Levee Improvement Authority Board
FROM: Paul Brunner, Executive Director
Scott Shapiro, General Counsel
John Bliss, Assessment Engineer

SUBJECT: UPDATING AND ORDERING LEVY OF ASSESSMENTS WITHIN THE LEVEE AND FLOOD CONTROL FACILITIES ASSESSMENT DISTRICT FOR FISCAL YEAR 2011-2012

Recommendation:

That the Board of Directors consider and adopt one of the three resolutions that are attached resolution entitled:

RESOLUTION NO.____


Background:
On June 2, 2009 the TRLIA Board adopted a resolution to form the Benefit Assessment District (District) to pay for long-term maintenance and operations on approximately 29 miles of improved levees.

On June 15, 2010 the Three Rivers Levee Improvement District Board of Directors found that to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2010-11 there was a need to adjust the assessment to match the full 2009 CPI change of 2.613%. However, in light of severe economic impacts within the District, the Board decided it would not be appropriate to make a CPI adjustment at this time. The 2.613% was reserved by the Board to use at its discretion to adjust the maximum CPI increase for the next fiscal year (2011-12) as explained in the Engineer’s Report (p. 37) and Section 10 of Resolution No. 2009-08.
As of May 24, 2011 TRLIA has received in FY10/11 $773,654.54 through the District and also $36,274.48 from FY 09/10 as late payments and direct billings from SCI/TRLIA. The revenues were distributed as follows:

- RD784 for Levee Maintenance: $753,300.02 FY10/11 + $36,274.48 FY09/10 for a total of $789,574.50
- TRLIA for Administrative Expenses: $16,000 FY 10/11
- County for Administrative Expenses: $2,620.40 FY 10/11

**Discussion:**
The RD784 Board received a proposed FY 2011/12 levee maintenance budget on June 7, 2011, which identified the need for TRLIA to collect approximately $800,000 in FY 2011/12. The proposed RD784 budget does not provide funding for anticipated Emergency repairs to the levees and pumps stations that were caused respectively by weather conditions and theft during FY 2010-2011. Examples are: 1) the WPIC Crack, which cost an initial $15,000 in FY10/11 and will need an additional unestimated expense in FY 2011/12; 2) Beaver Damage in the WPIC (Estimated $10,000) and, 3) an erosion hole on the Feather River Levee near the Water Treatment Plant (Estimated $10,000). There could be easily more emergency expenses in FY2011/12.

TRLIA staff has reviewed the proposed RD784 FY2011/12 budget for maintenance of levees improved by TRLIA and concurs with the projected expenditures and believes the proposed levee maintenance budget adheres to the criteria outlined in the TRLIA approved Engineers Report. The TRLIA Board will consider the proposed RD784 FY 2011/12 levee maintenance budget at the TRLIA June 28, 2011 Board meeting.

In FY10/11 TRLIA levied assessments in the amount of $835,155.30, which were not achieved. Based on actual revenues received in FY10/11, RD784 can anticipate approximately $790,000 from FY11/12 and FY10/11 late and direct assessments. Potentially, RD784 could receive additional TRLIA funding if the levied assessment rate was increased by applying the US Department of Labor Consumer Price Index (CPI) as allowed by the District founding documents. **RD784 has requested that the TRLIA Board apply the CPI inflator for 2011/12.**

The CPI for the San Francisco Bay Area December to December change for 2010 was 1.52%. The CPI in 2009 was 2.613%, but the TRLIA Board opted to reserve it for a discretionary adjustment in the future, if necessary, due to the community’s severe economic situation.

There are three resolutions attached for the TRLIA Board to consider. The first resolution does not incorporate the 2010 CPI increase. The second resolution incorporates the 2010 CPI increase into the FY 2011/12 assessment per RD784's request. The third resolution incorporates both the 2010 CPI increase and the deferred 2009/2010 CPI increase of 2.613%.

Below is a comparison of Assessments that would be levied for the three resolutions:

- No CPI increase: $835,155.30
  - South Zone assessments for fiscal year 2011/12 would be levied at a rate of one hundred forty eight dollars and four cents ($148.04) per single-family equivalent benefit unit.
Central A Zone assessments for fiscal year 2011/12 would be levied at a rate of eleven dollars and thirty three cents ($11.33) per single-family equivalent benefit unit.

Central B Zone assessments for fiscal year 2011/12 would be levied at a rate of thirty two dollars and sixteen cents ($32.16) per single-family equivalent benefit unit.

East Zone assessments for 2011/12 would be levied at a rate of eleven dollars and twelve cents ($11.12) per single-family equivalent benefit unit.

- 2010 CPI increase (1.52%): $847,849.66

South Zone assessments for fiscal year 2011/12 would be levied at a rate of one hundred fifty dollars and twenty nine cents ($150.29) per single-family equivalent benefit unit.

Central A Zone assessments for fiscal year 2011/12 would be levied at a rate of eleven dollars and fifty cents ($11.50) per single-family equivalent benefit unit.

Central B Zone assessments for fiscal year 2011/12 would be levied at a rate of thirty two dollars and sixty five cents ($32.65) per single-family equivalent benefit unit.

East Zone assessments for 2011/12 would be levied at a rate of eleven dollars and twenty nine cents ($11.29) per single-family equivalent benefit unit.

- 2009 & 2010 CPI increase (4.13%): $869,647.21

South Zone assessments for fiscal year 2011/12 would be levied at a rate of one hundred fifty four dollars and fifteen cents ($154.15) per single-family equivalent benefit unit.

Central A Zone assessments for fiscal year 2011/12 would be levied at a rate of eleven dollars and eighty cents ($11.80) per single-family equivalent benefit unit.

Central B Zone assessments for fiscal year 2011/12 would be levied at a rate of thirty three dollars and forty nine cents ($33.49) per single-family equivalent benefit unit.

East Zone assessments for 2011/12 would be levied at a rate of eleven dollars and fifty eight cents ($11.58) per single-family equivalent benefit unit.

- Summary of Rates by Zone:

<table>
<thead>
<tr>
<th>Zone</th>
<th>No CPI ($)</th>
<th>2010/11 CPI ($)</th>
<th>2009/10 &amp; 2011/12 CPI ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>South</td>
<td>148.04</td>
<td>150.29</td>
<td>154.15</td>
</tr>
<tr>
<td>Central A</td>
<td>11.33</td>
<td>11.50</td>
<td>11.80</td>
</tr>
<tr>
<td>Central B</td>
<td>32.16</td>
<td>32.65</td>
<td>33.49</td>
</tr>
<tr>
<td>East</td>
<td>11.12</td>
<td>11.29</td>
<td>11.58</td>
</tr>
</tbody>
</table>

**Fiscal Impact**
The hard economic times of the community have not improved substantially. There is the need for additional funding to deal with anticipated levee issues. Even if the CPI inflator is applied...
there is no guarantee that additional revenues will be received. All three resolutions are supportable for the TRLIA Board to consider and choose.

3 Attachments:
   1. Proposed Resolution without CPI increase for 2011/12
   2. Proposed Resolution with 2010 1.52% CPI increase for 2011/12
   3. Proposed Resolution with 2009 and 2010 CPI increase for 2011/12
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

RESOLUTION NO. 2011-___

A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE THREE RIVERS LEVEE IMPROVEMENT AUTHORITY
UPDATING AND ORDERING LEVY OF ASSESSMENTS WITHIN THE LEVEE AND FLOOD CONTROL
FACILITIES ASSESSMENT DISTRICT FOR FISCAL YEAR 2011-2012

WHEREAS, the Three Rivers Levee Improvement Authority ("Three Rivers") has installed and
otherwise made substantial improvements to the flood control facilities along portions of the Feather and
Yuba Rivers within Yuba County;

WHEREAS, Three River formed an assessment district — the Three Rivers Levee Improvement
Authority Flood Control Facilities Assessment District (the "District") — in June 2009 to fund operation and
maintenance of the improved facilities;

WHEREAS, the legal notices that were mailed to property owners in the District in March 2009 and
the Three Rivers Levee and Flood Control Facilities Engineer's Report dated May 28, 2009 state that the
assessment is subject to an annual adjustment based on the US Department of Labor Consumer Price
Index (CPI-U) for the San Francisco Bay Area with the maximum annual adjustment not to exceed 4%;

WHEREAS, the Three Rivers Board of Directors found on June 15, 2010 that to meet the budgeting
requirements for operation and maintenance of the flood control facilities for fiscal year 2010-11 there was
a need to adjust the assessment to match the full 2009 CPI change of 2.613%. However, in light of severe
economic impacts within the District, the Board decided it would not be appropriate to make that CPI
adjustment at that time. Thus, the Board did not impose an increase and reserved the right to later make
that 2.613% adjustment as explained in the Engineer's Report (p. 37) and Section 10 of Resolution No.
2009-08;

WHEREAS, the US Department of Labor Consumer Price Index (CPI-U) for the San Francisco Bay
Area December to December change for 2010 was 1.52%;

WHEREAS, the Three Rivers Board of Directors is now to consider whether to meet the budgeting
requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a
need to adjust the assessment consistent with the CPI-U. The Board again notes severe economic
impacts which the Board desires to consider;

WHEREAS, Reclamation District No. 784 has submitted, and the Three Rivers Board of Directors
has reviewed, a proposed annual budget for operation and maintenance of the improved levees for fiscal
year 2011-12,

NOW, THEREFORE, BE IT RESOLVED THAT:

1: The above recitals are true and correct.
2: The Three Rivers Board of Directors finds that to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a need to adjust the assessment to match the full 2010 CPI change of 1.52%. However, in light of severe economic impacts within the District, the Board has decided it would not be appropriate to make a CPI adjustment at this time. Consistent with the 2009 CPI change, the Board is reserving the 1.52%, and the Board in its discretion may use it to adjust the maximum CPI increase for future fiscal years as explained in the Engineer's Report (p. 37) and Section 10 of Resolution No. 2009-08.

3. Therefore, the assessments for fiscal year 2011-12 shall be levied at the rate of one hundred forty eight dollars and four cents ($148.04) per single-family equivalent benefit unit for the South Zone, eleven dollars and thirty three cents ($11.33) for the Central A Zone, thirty two dollars and sixteen cents ($32.16) for the Central B Zone, and eleven dollars and twelve cents ($11.12) for the East Zone.

4. Three Rivers staff is directed to file or cause to be filed a certified copy of this Resolution with the Auditor/Controller of Yuba County (the "County Auditor/Controller"). Upon such filing, the County Auditor/Controller shall enter on the County tax roll opposite each lot or parcel of land in the District the amount of assessment thereupon as shown in the Engineer's Report and described in Section 3 of this Resolution. The benefit assessment shall be collected at the same time and in the same manner as County ad valorem taxes are collected and all laws providing for the collection and enforcement of County ad valorem taxes shall apply to the collection and enforcement of the assessments. After collection by the County Tax Collector, the net amount of the assessments, after deduction of any compensation due the County for collection, shall be paid to Three Rivers for the purposes of the District.

ADOPTED as a resolution of the Board of Directors of the Three Rivers Levee Improvement Authority at a regular meeting duly held on the 28th day of June, 2011.

________________________, CHAIR

APPROVED AS TO FORM: ATTEST:

[Signature]

________________________

DONNA STOTTMEMEYER, SECRETARY

STATE OF CALIFORNIA )
COUNTY OF YUBA ) ss
I, Donna Stottlemeier, Secretary of the Board of Directors of Three Rivers Levee Improvement Authority, do hereby certify that the foregoing is a true and correct copy of Resolution No. ____ adopted by the Board of Directors of the Three Rivers Levee Improvement Authority, Yuba County, California, at a regular meeting thereof, held on the 28th day of June, 2011 by the following vote:

AYES:
NOES:
ABSENT:

______________________________
DONNA STOTTLEMEYER, SECRETARY
WHEREAS, the Three Rivers Levee Improvement Authority ("Three Rivers") has installed and otherwise made substantial improvements to the flood control facilities along portions of the Feather and Yuba Rivers within Yuba County;

WHEREAS, Three River formed an assessment district — the Three Rivers Levee Improvement Authority Flood Control Facilities Assessment District (the "District") — in June 2009 to fund operation and maintenance of the improved facilities;

WHEREAS, the legal notices that were mailed to property owners in the District in March 2009 and the Three Rivers Levee and Flood Control Facilities Engineer's Report dated May 28, 2009 state that the assessment is subject to an annual adjustment based on the US Department of Labor Consumer Price Index (CPI-U) for the San Francisco Bay Area with the maximum annual adjustment not to exceed 4%;

WHEREAS, the Three Rivers Board of Directors found on June 15, 2010 that to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2010-11 there was a need to adjust the assessment to match the full 2009 CPI change of 2.613%. However, in light of severe economic impacts within the District, the Board decided it would not be appropriate to make that CPI adjustment at that time. Thus, the Board did not impose an increase and reserved the right to later make that 2.613% adjustment as explained in the Engineer's Report (p. 37) and Section 10 of Resolution No. 2009-08;

WHEREAS, the US Department of Labor Consumer Price Index (CPI-U) for the San Francisco Bay Area December to December change for 2010 was 1.52%;

WHEREAS, the Three Rivers Board of Directors is now to consider whether to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a need to adjust the assessment consistent with the CPI-U. The Board again notes severe economic impacts which the Board desires to consider;

WHEREAS, Reclamation District No. 784 has submitted, and the Three Rivers Board of Directors has reviewed, a proposed annual budget for operation and maintenance of the improved levees for fiscal year 2011-12;

NOW, THEREFORE, BE IT RESOLVED THAT:

1: The above recitals are true and correct.
2: The Three Rivers Board of Directors finds that to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a need to adjust the assessment to match the full 2010 CPI change of 1.52%. The Board acknowledges the severe economic impacts within the District but believes that the increased funds are necessary to secure flood protection and is therefore imposing a 1.52% increase. The Board will continue to reserve the 2.613% increase from 2009 and the Board in its discretion may use it to adjust the maximum CPI increase for future fiscal years as explained in the Engineer's Report (p. 37) and Section 10 of Resolution No. 2009-08.

3. Therefore, the assessments for fiscal year 2011-12 shall be levied at the rate of one hundred fifty dollars and twenty nine cents ($150.29) per single-family equivalent benefit unit for the South Zone, eleven dollars and fifty cents ($11.50) for the Central A Zone, thirty two dollars and sixty five cents ($32.65) for the Central B Zone, and eleven dollars and twenty nine cents ($11.29) for the East Zone.

4. Three Rivers staff is directed to file or cause to be filed a certified copy of this Resolution with the Auditor/Controller of Yuba County (the "County Auditor/Controller"). Upon such filing, the County Auditor/Controller shall enter on the County tax roll opposite each lot or parcel of land in the District the amount of assessment thereupon as shown in the Engineer's Report and described in Section 3 of this Resolution. The benefit assessment shall be collected at the same time and in the same manner as County ad valorem taxes are collected and all laws providing for the collection and enforcement of County ad valorem taxes shall apply to the collection and enforcement of the assessments. After collection by the County Tax Collector, the net amount of the assessments, after deduction of any compensation due the County for collection, shall be paid to Three Rivers for the purposes of the District.

ADOPTED as a resolution of the Board of Directors of the Three Rivers Levee Improvement Authority at a regular meeting duly held on the 28th day of June, 2011.

__________________________, CHAIR

APPROVED AS TO FORM: ATTEST:

__________________________

DONNA STOTTEMEYER, SECRETARY

STATE OF CALIFORNIA )
COUNTY OF YUBA ) ss
I, Donna Stottlemeyer, Secretary of the Board of Directors of Three Rivers Levee Improvement Authority, do hereby certify that the foregoing is a true and correct copy of Resolution No. _____ adopted by the Board of Directors of the Three Rivers Levee Improvement Authority, Yuba County, California, at a regular meeting thereof, held on the 28th day of June, 2011 by the following vote:

AYES:
NOES:
ABSENT:

DONNA STOTTLEMEYER, SECRETARY
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

RESOLUTION NO. 2011-__

A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE THREE RIVERS LEVEE IMPROVEMENT AUTHORITY
UPDATING AND ORDERING LEVY OF ASSESSMENTS WITHIN THE LEVEE AND FLOOD CONTROL
FACILITIES ASSESSMENT DISTRICT FOR FISCAL YEAR 2011-2012

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the Three Rivers Levee and Flood Control Facilities Engineer's Report dated May 28, 2009 state that the
assessment is subject to an annual adjustment based on the US Department of Labor Consumer Price
Index (CPI-U) for the San Francisco Bay Area with the maximum annual adjustment not to exceed 4%;

WHEREAS, the Three Rivers Board of Directors found on June 15, 2010 that to meet the budgeting
requirements for operation and maintenance of the flood control facilities for fiscal year 2010-11 there was
a need to adjust the assessment to match the full 2009 CPI change of 2.613%. However, in light of severe
economic impacts within the District, the Board decided it would not be appropriate to make that CPI
adjustment at that time. Thus, the Board did not impose an increase and reserved the right to later make
that 2.613% adjustment as explained in the Engineer's Report (p. 37) and Section 10 of Resolution No.
2009-08;

WHEREAS, the US Department of Labor Consumer Price Index (CPI-U) for the San Francisco Bay
Area December to December change for 2010 was 1.52%;

WHEREAS, the Three Rivers Board of Directors is now to consider whether to meet the budgeting
requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a
need to adjust the assessment consistent with the CPI-U. The Board again notes severe economic
impacts which the Board desires to consider;

WHEREAS, Reclamation District No. 784 has submitted, and the Three Rivers Board of Directors
has reviewed, a proposed annual budget for operation and maintenance of the improved levees for fiscal
year 2011-12,

NOW, THEREFORE, BE IT RESOLVED THAT:

1: The above recitals are true and correct.
2: The Three Rivers Board of Directors finds that to meet the budgeting requirements for operation and maintenance of the flood control facilities for fiscal year 2011-12 there is a need to adjust the assessment to match the full 2010 CPI change of 1.52% and the unused 2009 CPI of 2.613% for a rate change of 4.13%. As a result of this decision, a CPI reservation no longer exists as permitted in the Engineer's Report (p. 37) and Section 10 of Resolution No. 2009-08.

3. Therefore, the assessments for fiscal year 2011-12 shall be levied at the rate of one hundred fifty four dollars and fifteen cents ($154.15) per single-family equivalent benefit unit for the South Zone, eleven dollars and eighty cents ($11.80) for the Central A Zone, thirty three dollars and forty nine cents ($33.49) for the Central B Zone, and eleven dollars and fifty eight cents ($11.58) for the East Zone.

4. Three Rivers staff is directed to file or cause to be filed a certified copy of this Resolution with the Auditor/Controller of Yuba County (the "County Auditor/Controller"). Upon such filing, the County Auditor/Controller shall enter on the County tax roll opposite each lot or parcel of land in the District the amount of assessment thereupon as shown in the Engineer's Report and described in Section 3 of this Resolution. The benefit assessment shall be collected at the same time and in the same manner as County ad valorem taxes are collected and all laws providing for the collection and enforcement of County ad valorem taxes shall apply to the collection and enforcement of the assessments. After collection by the County Tax Collector, the net amount of the assessments, after deduction of any compensation due the County for collection, shall be paid to Three Rivers for the purposes of the District.

ADOPTED as a resolution of the Board of Directors of the Three Rivers Levee Improvement Authority at a regular meeting duly held on the 28th day of June, 2011.

_________________________ CHAIR

APPROVED AS TO FORM: ATTEST:

_________________________ DONNA STOTTLEMEYER, SECRETARY

STATE OF CALIFORNIA )
COUNTY OF YUBA ) ss
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY )
Three Rivers Levee Improvement Authority, Yuba County, California, at a regular meeting thereof, held on the 28th day of June, 2011 by the following vote:

AYES:
NOES:
ABSENT:

DONNA STOTTLEMEYER, SECRETARY
June 28, 2011

TO: Three Rivers Levee Improvement Authority Board
FROM: Paul Brunner, Executive Director
       Ric Rinehart, Program Manager
SUBJECT: Consider Amending Contractual Agreement with MBK Engineers for additional Goldfields Analysis, Amendment 16.

Recommended Action

Approve a $526,270 16th Amendment to the contract with MBK Engineers and delegate authority to Executive Director to sign and execute contract upon General Counsel review.

Discussion

TRLIA has undertaken a hydraulic analysis of the Goldfields to better define the flood risk associated with the Goldfields for the 100 and 200-year floods. This effort includes determining the flow paths through the Goldfields, weak points in the training walls, determining the frequency in which flood waters would likely pass through the Goldfields into southern Yuba County, and to determine the size of the associated floodplain in Yuba County due to these floods. TRLIA has contracted with MBK Engineers for these efforts which have been under way for about a year. This analysis has been much more complicated than originally envisioned in the earlier scopes of work for the Goldfields Analysis. MBK has concentrated extensive effort on developing an accurate detailed model of the Goldfields and then determining how flows move through the Goldfields as well as trying to identify the most likely points of failure in the Yuba River training walls. These have been much more difficult tasks than first realized. In addition to the complications encountered in the original efforts, MBK has had to add additional effort due to the need for one large continuous model instead of two; additional quality control to implement a newly released version of the two-dimensional computer program being used to perform the analysis; additional model development, calibration, and documentation required by DWR comments; and additional effort required to diagnose topography changes (key crossing failure and mining changes) that became apparent during field visits and data review.

This 16th amendment is needed to cover MBK’s additional effort required for the hydraulic analysis of the flood risk from the Goldfields. The estimated cost associated with these additional efforts is $526,270. MBK has maintained its 2009 rate structure for 2011 as requested by Executive Director Policy Memorandum dated July 23, 2009. All
other terms and conditions contained in the Agreement shall remain in full force and effect.

The specific contract amendment terms are detailed in the attached Amendment 16 and Attachment A (Scope of Work) to that amendment.

**Fiscal Impact**

The contract amendment would increase the existing contract by $526,270 for services on a time-and-expenses basis, to a maximum amount not exceeding $4,841,394 (Current maximum amount $4,315,124) without prior authorization by TRLIA. This amendment is a time and material contract, which could be terminated at anytime. These projected expenses are included in the current TRLIA cash flow for project completion and are included in the both the Feather and UYLIP EIP projects for state cost share.

Attachments:
Amendment No. 16 and Attachment A
AMENDMENT NO. 16

AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY
AND
MBK ENGINEERS

THIS SIXTEENTH AMENDATORY AGREEMENT is made and entered into this ___ day of June, 2011, by and between the THREE RIVERS LEVEE IMPROVEMENT AUTHORITY ("TRLIA") and MBK ENGINEERS ("CONTRACTOR"), who agree as follows:

1. Recitals. This Amendment is made with reference to the following background recitals:

1.1. Effective August 23, 2003, the parties entered into an agreement ("AGREEMENT") to provide basic services with a contract value of $55,800 and an end date of February 3, 2004.

1.2. Effective September 11, 2003, the parties entered into Amendment 1 to the AGREEMENT in the amount of $8,000 for a total contract value of $63,800.

1.3. Effective January 6, 2004, the parties entered into Amendment 2 to the AGREEMENT in the amount of $30,000 for a total contract value of $93,800.

1.4. Effective March 19, 2004, the parties entered into Amendment 3 to the AGREEMENT in the amount of $45,400 for a total contract value of $139,200 and to extend the contract end date to March 30, 2004.

1.5. Effective April 22, 2004, the parties entered into Amendment 4 to the AGREEMENT in the amount of $50,100 for a total contract value of $189,300 and to extend the contract end date to July 31, 2004.

1.6. Effective August 3, 2004, the parties entered into Amendment 5 to the AGREEMENT in the amount of $8,000 for a total contract value of $197,300 and to extend the contract end date to September 7, 2004.

1.7. Effective October 6, 2004, the parties entered into Amendment 6 to the AGREEMENT in the amount of $97,650 for a total contract value of $294,950 and to extend the contract end date to December 7, 2004.

1.8. Effective January 26, 2005, the parties entered into Amendment 7 to the AGREEMENT in the amount of $35,000 for a total contract value of $329,950 and to extend the contract end date to April 30, 2005.

1.9. Effective March 15, 2005, the parties entered into Amendment 8 to the AGREEMENT in the amount of $108,200 for a total contract value of $438,150.

1.10. Effective September 6, 2005, the parties entered into Amendment 9 to the AGREEMENT in the amount of $187,200 for a total contract value of $625,350 and to extend the contract end date to July 31, 2006.

1.11. Effective April 18, 2006, the parties entered into Amendment 10 to the AGREEMENT in the amount of $549,359 for a total contract value of $1,174,709 and to extend the contract end date to December 31, 2006.

1.12. Effective December 12, 2006, the parties entered into Amendment 11 to the AGREEMENT in the amount of $707,980 for a total contract value of $1,882,689 and to extend the contract end date to December 31, 2007.
1.13. Effective January 8, 2008, the parties entered into Amendment 12 to the AGREEMENT in the amount of $629,056 for a total contract value of $2,511,745 and to extend the contract end date to December 31, 2008.

1.14. Effective January 27, 2009, the parties entered into Amendment 13 to the AGREEMENT in the amount of $572,472 for a total contract value of $3,084,217 and to extend the contract end date to December 31, 2009.

1.15. Effective December 15, 2009, the parties entered into Amendment 14 to the AGREEMENT in the amount of $569,020 for a total contract value of $3,653,237 and to extend the contract end date to December 31, 2010.

1.16. Effective September 28, 2010, the parties entered into Amendment 15 to the AGREEMENT in the amount of $661,887 for a total contract value of $4,315,124 and to extend the contract end date to December 31, 2011

1.17. The parties now desire to amend the AGREEMENT to modify the total contract value.

2. **Sixteenth Amendment to Agreement.** The AGREEMENT is hereby amended as follows:

2.1. The scope of services is increased by the efforts described in Attachment A.

2.2. The total contract value is amended in the amount of $526,270 for a total contract value of $4,841,394.

2.3. The contract end date remains at December 31, 2011

3. **No Effect on Other Provisions.** Except for the amendments in Section 2, the remaining provisions of the Professional Services Agreement shall be unaffected and remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on ________________, 2011.

THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

MBK ENGINEERS

Paul G. Brunner
Executive Director

Ric Reinhardt
Principal

ATTEST: APPROVED AS TO FORM:
DONNA STOTLEMEYER
SECRETARY, THREE RIVERS
SCOTT L. SHAPIRO
GENERAL COUNSEL, TRLIA

[Signature]
ATTACHMENT A

Amendment 16 SOW

Amendment 15 Task 7, Goldfields Analysis, contains the following efforts:

- Conduct surveying of the features in the Goldfields.
- Perform hydraulic modeling to determine flows that may potentially exit the Goldfields.
- Coordinate effort with CVFPB and Corps
- Manage Alternative Analysis
- Coordinate with Stakeholders
- Manage Environmental, Design, & Funding for Selected Solution.
- Create floodplain maps showing 100-year and 200-year floodplains from the Goldfields.
- QA/QC model and mapping results

Amendment 16 to the MBK contract addresses the extra effort that has been and continues to be spent on Task 7, the Goldfields Hydraulic Analysis. This analysis has been much more complicated than originally envisioned in the earlier scopes of work for the Goldfields Analysis. MBK has concentrated extensive effort on developing an accurate detailed model of the Goldfields and then determining how flows move through the Goldfields as well as trying to identify the most likely points of failure in the Yuba River training walls. These have been much more difficult tasks than first realized.

In addition to the complications encountered in the original efforts MBK has had to add additional effort as follows:

- Perform sensitivity analysis of the grid size to determine the appropriate grid size and run time for one model which encompasses the entire study area. This was not envisioned in the original scope because MBK envisioned having two FLO2d models (one of the goldfields and one of the floodplain).
- Model development began just as a new version of FLO2d was released. Frequent updates during the model development caused work to increase to review and implement the changes. As a result of all the updates, MBK developed and implemented additional QC procedures.
- MBK prepared additional QC, implemented additional model development procedures, and calibrated the model and increased the model documentation as a result of DWR comments.
- Additional effort required to diagnose topography changes (key crossing failure and mining changes) that became apparent during field visits and data review.
June 28, 2011

TO: Three Rivers Levee Improvement Authority Board
FROM: Paul Brunner, Executive Director Seth Wurzel, Financial Consultant
SUBJECT: Acceptance of Budget for Fiscal Year 2011-12

**Recommended Action**

1. Accept the Executive Director’s Proposed Budget for Fiscal Year 2011-12
2. Direct TRLIA Executive Director to make copies of the Proposed Budget available for inspection by the public
3. Direct Budget Hearing to be scheduled to begin on Tuesday, July 19, starting at 3:00 pm.

**Discussion:**

TRLIA continues to follow the same requirements for budget adoption as prescribed by the Yuba County Ordinance Code and state law. State law also requires the Board to notify the public when budget hearings will begin and to provide copies of the Proposed Budget for inspection by the Public.

Attached is the Proposed Fiscal Year 2011-12 TRLIA budget for your consideration. This budget proposes to complete both the Upper Yuba and Feather River EIP Projects and, pending approval by the State, commence work on TRLIA’s Feather Flood Corridor Project. Funding for the proposed Fiscal Year 2011-12 work comes from essentially three areas: 1) the Feather River Levee and Upper Yuba River Prop IE funding agreements, 2) the proposed DWR Flood Corridor Program Grant, and 3) for the local cost share of EIP work, prior funds that came from local funding agreements with Yuba County, YCWA, RD784, and local landowners.

Tremendous levee improvement success was achieved by the TRLIA team with the revenues that were provided by the State and Local Agencies that were approved in last year’s TRLIA budget – the Major highlight was the completion of the Feather River Levee Improvement Project and the award of the Upper Yuba River Levee Improvement Project. I anticipate similar success to be achieved with the proposed expenses that are outlined in this year’s TRLIA FY11/12 budget, which remains fully funded.
The TRLIA Plan has always been to aggressively improve the levees along the Feather, Yuba, and Bear Rivers, and the Western Pacific Inceptor Canal to achieve 200-year flood protection for South Yuba County. All but the Upper Yuba River Levee Improvements from Simpson Lane up to the Goldfields Area have been completed in just seven years, and the focus for this next fiscal year will be to complete this work and then to certify these improvements to FEMA.

Described in this budget is an ambitious State and Local capital improvement program specifically aimed to enhance flood protection for Yuba County residents that reside in South Yuba County.

**Fiscal Impact**

Proposed appropriations for fiscal year 2011-12 total in excess of $23.0 million, which includes substantial funding from the State Prop 1E funding agreements. The budget reflects the assumption that the Feather Flood Corridor project will be approved for funding by the State. Should this project not be funded, the expenditures and associated revenues would be lower. The budget projects to leave approximately $5 million dollars to continue work into Fiscal Year 2012-13. The expenditures anticipated for FY 2012/13 are estimated to be approximately $4.7 million. The carryover to FY 2013/14 is anticipated to be approximately $3 million.

Attachment:
Proposed TRLIA Fiscal Year 2011/12 Budget
THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

2011/12 Proposed Budget

Paul G. Brunner, P.E.
Executive Director

June 28, 2011
# Three Rivers Levee Improvement Authority (TRLIA) FY 2011/2012 Budget

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June 28, 2011

To: Three Rivers Levee Improvement Authority Board  
From: Paul G. Brunner, Executive Director  
Re: Proposed Budget for Fiscal Year 2011/12

Tremendous levee improvement success was achieved by the TRLIA team with the revenues that were provided by the State and Local Agencies that were approved in last year's TRLIA budget — the Major highlight was the completion of the Feather River Levee Improvement Project and the award of the Upper Yuba River Levee Improvement Project. I anticipate similar success to be achieved with the proposed expenses that are outlined in this year’s TRLIA FY11/12 budget, which remains fully funded.

The TRLIA Plan has always been to aggressively improve the levees along the Feather, Yuba, and Bear Rivers, and the Western Pacific Inceptor Canal to achieve 200-year flood protection for South Yuba County. All but the Upper Yuba River Levee Improvements from Simpson Lane up to the Goldfields Area have been completed in just seven years, and the focus for this next fiscal year will be to complete this work and then to certify these improvements to FEMA.

Described in this budget is an ambitious State and Local capital improvement program specifically aimed to enhance flood protection for Yuba County residents that reside in South Yuba County.

Thank you for the opportunity to submit this budget.

Sincerely,

Paul G. Brunner, P.E.  
Executive Director
TRLIA Phased Program
In its entirety, the cost to complete the TRLIA Program is nearly $400 million. There are four phases to this capital improvement program.

**RD784**
- Non TRLIA Levees (black): WPIC. and Bear River

**TRLIA & RD784 Levees**
- Phase 1 (red): Yuba River
- Phase 2 (green): Yuba River, Western Pacific Interceptor Canal (WPIC), and Bear River
- Phase 3 (purple): Bear River Setback
- Phase 4 (blue): Yuba River, and Feather River

The most critical flood control projects were prioritized and done first in order to rapidly reduce the risk of flooding to residents as quickly as possible. **All the levee improvements are designed and constructed to withstand flows from both 100-year (FEMA criteria) and 200-year Storms.** The following list is a breakdown and status of each of the Phases:

- **Phase 1** – Strengthened the existing Yuba River left (south) levee between Highway 70 and approximate Yuba River Project Levee Mile (PLM) 0.8. The work was funded by local funding. This work was completed in 2004 and received certification for FEMA from the Corps on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.

- **Phase 2** - Strengthened and raised the existing upper Bear River right (north) levee from about 200 feet downstream from Highway 70 to the WPIC right (west) levee, added a seepage berm to the existing Yuba River left (south) bank levee from the Western Pacific Railroad (WPRR) to Highway 70 and from Highway 70 to the Southern Pacific Railroad (SPRR), strengthened and raised the existing WPIC levees, relocated Pump Station No. 6, and constructed the Olivehurst detention basin and ring levee. The work was funded by Prop 13 and local funding and then, in 2010, the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. The Olivehurst detention basin was funded with FEMA and local funds. This work was completed in 2006 and received certification for FEMA from the Corps on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.
• **Phase 3** – Constructed the Bear River setback levee from the Feather River levee near Pump Station No. 2 to the west end of the Phase 2 Bear River levee work. This phase is referred to as the Bear River Setback Levee project (BRSL). Levee work was completed in 2006. A 600 acre Environmental Restoration Area was created as part of this project. TRLIA is the property owner of the 600 acres and is in the process of transferring ownership to the State. Maintenance of the Environmental Restoration area is ongoing. The work was funded by Prop 13 and local funding and then in 2010 the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. Corps certification for FEMA was received on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.

• **Phase 4** – consists of multiple projects on the Feather River and Yuba River:
  
  o **Phase 4 Feather** – This work is referred to as the Phase 4 Feather River Levee Repair Project (FRLRP) and consists of three segments as described below:

  ▪ **Segment 1**: Below Star Bend, from the Bear River setback levee (PLM 13.3) to PLM 17.1 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms, relief wells, and monitoring wells. This work was completed in 2009 and was funded initially by local funding and then in March, 2010 the State approved reimbursing TRLIA for their share of the work with Prop 1E funds under a modified Feather EIP funding agreement. TRLIA completed 100-year certification for FEMA on May 5, 2010.

  ▪ **Segment 2**: The levee is set back from Star Bend (FR PLM 17.1) to about one mile north of Murphy Road (FR PLM 23.6) – A new levee embankment and foundation seepage mitigation was constructed consisting of cutoff walls, stability berms, relief wells, and monitoring wells. The work included degrading the existing Segment 2 levee and the purchase/creation of an expanded 1600 acre floodway along the Feather River. TRLIA is the property owner of the 1600 acres and is in the process of transferring ownership to the State. The new Setback levee replaced the portion of levee that broke in 1997. Construction of the Setback levee began in 2008 and was completed in 2009. Degrade of the existing Segment 2 levee will be completed in 2010. Maintenance of the 1600 area expanded floodway is ongoing. The work was funded by Prop 1E EIP and local funding. TRLIA completed 100-year certification for FEMA on May 5, 2010.

  ▪ **Segment 3**: From Feather River PLM 23.6 to PLM 26.1 and from Yuba River PLM 0.0 to the WPRR crossing at about PLM 0.3 - Embankment and foundation seepage mitigation consisting of cutoff walls, stability berms and monitoring wells; and levee freeboard mitigation. This work was completed in 2009 and was funded by Prop 1E EIP and local funding. TRLIA completed 100-year certification for FEMA on May 5, 2010.
- **Phase 4 Yuba** – The first portion of Phase 4 Yuba included strengthening the existing Yuba River left bank levee above the UPRR crossing to Simpson Lane and adding a seepage berm adjacent to the UPRR crossing. This work was completed in 2006 and was funded initially by local funding and then in 2010 the State reimbursed TRLIA a portion of the local share with Prop 1E funds under the Upper Yuba EIP funding agreement. 100-year certification for FEMA from the Corps was received on May 8, 2007. TRLIA updated the 100-year certification for FEMA on May 5, 2010.

- **Phase 4 Yuba (Highway 70 to the UPRR)** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Waterside Slope Flattening Project and was funded by Prop 1E EIP and local funding. This work was done to achieve 200-year flood protection. The work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection from Highway 70 upstream to the Yuba Goldfield. This work was completed in 2009. See figure 2 for location.

- **Phase 4 Yuba (Simpson Lane up to the Goldfields west boundary)** – This work is referred to as the Phase 4 Upper Yuba River Levee Improvement Remaining Work Project and is funded by Prop 1E EIP and local funding. The work includes slope flattening, seepage remediation, correcting deficiencies in levee geometry, and erosion protection. This work began in 2011 and is scheduled to be completed by October 2011. Once completed TRLIA will certify this segment of levee and submit to FEMA for inclusion into present FEMA system wide levee Accreditation. In late 2010 the FEMA Provisionally Accredited Levee (PAL) status for this segment of Levee ended. The completion of this segment of levee and TRLIA certification to FEMA is critical for the levee system retain the current FEMA Accreditation. See Figure 2 for location.
Key highlights from Fiscal Year 2010-2011:

• Completion of the Feather River Setback Levee Degradation and remaining construction activities.

• Completion of the Feather River Land Acquisitions for the Setback Area.

• The Sacramento Section of the American Society of Civil Engineers (ASCE) awarded its “2010 Outstanding Flood Management Award” to the Three Rivers Levee Improvement Authority for its Feather River Setback Levee.

• CVFPB approval of encroachment permits for the Feather River Elderberry Mitigation Site; Feather River Vegetated Wind Wave Buffer; UYLIP Construction Project; and UYLIP Anderson Elderberry Mitigation Site.

• Approval of the USACE 408 Authorization for the Upper Yuba Levee Improvement EIP Project (UYLIP).

• Assistant Secretary of Army – Civil Works denial of UYLIP 104 Credit request. Two basic reasons for denial: 1) Yuba Basin Plan has too many unused credits with no proposed projects to use the unassigned credits; 2) USACE has now stopped issuing 104 credits in lieu of Section 2003 Credits.
• USACE Approval of Section 2003 MOA for UYLIP construction project.

• Award of the UYLIP Project and commencement of construction work.

• TRLIA continued securing right-of-way for the UYLIP to meet state regulations requiring 50-feet of land on the landside of the levee for flood fighting and maintenance access. TRLIA is engaged in negotiations with impacted property owners to secure the right-of-way as required by state law.

• TRLIA approved a revised Real Estate plan to include the acquisition of a landside levee toe-access corridor along Segments 1 and 3 of the Feather River as well as the WPIC, Upper Bear and Yuba Phase 2 and commenced the process of acquiring this land.

• TRIA submitted an application for funding of $9.6 million for Phase II of the Three Rivers Flood Corridor Project through DWR’s Prop 1E Flood Protection Corridor Program. Phase II of that project would realize the complete flood risk reduction benefits and create 720 acres of native wildlife habitat compatible with seasonal flooding. Phase II would also provide for recreational amenities in the Feather River Setback area and set aside an endowment for the long term operations and maintenance of the area.

• Hydraulic Analysis to support the evaluation of alternatives for the Goldfields Area commenced.
Comparison of FY10/11 Budget items to Actual Revenues & Expenses:

The key difference between budgeted actual expenses and revenues is planned UYLIP Construction work in 2010.

**FY 10/11 Comparison of Budgeted to Actual Expenditures**

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1/ Actual costs represent costs incurred through May 31, 2011.

**FY 10/11 Comparison of Budgeted to Actual Expenditures**

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<th>ACCOUNT NUMBER</th>
<th>ACCOUNT DESCRIPTION</th>
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<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>39,443,519</strong></td>
<td><strong>13,262,734</strong></td>
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</tbody>
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1/ Actual revenues represent revenues received through May 31, 2011.

**Key highlights that the 2011-12 TRLIA Budget accomplishes:**

- Completion of Feather River Vegetated Wind Wave Buffer
- Completion of the work proposed for the Upper Yuba River levee between Simpson Lane and Goldfields Area.
- Acquisition of Landside Levee Toe Access Corridor's for the Feather River Segments 1 and 3, WPIC, and Upper Bear.
- Major progress in the acquisition of the Landside Levee Toe Access Corridor for the Phase 2 Yuba.
- Completion of the FEMA Certification Addendum for the Upper Yuba River levee work between Simpson Lane and Goldfields Area.
- Completion of TRLIA's review of levee improvements to date against DWR's new 200-year Interim Levee Criteria Guidance (Version 4).
• TRLIA initial’s analysis of what is needed for to complete the 200-year Compliance Determination for Senate Bill 5.

• Provides funding for an Alternatives Analysis should the hydraulic analysis being done for the Goldfields Area result in 100 or 200-year flooding concerns for south Yuba County.

• The commencement of TRLIA’s Flood Protection Corridor Program project based upon approval the EIP FPCP Grant application.

• Provides funding to close-out TRLIA’s Feather River Levee Improvement Project and Upper Yuba Levee Improvement Project.

• Establish Mitigation Endowment and Transfer the Bear River Setback Area property to the State

• Establish Mitigation Endowment and Transfer the Feather River Setback Area property to the State

• Transfer Feather River and UYLIP levee EIP improvement right of way to State.
Projected Overall Cost and Schedule of the TRLIA Program:

Below is a table that outlines the anticipated program cost by Phase.

## OVERALL PROGRAM COSTS BY PHASE

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>PHASE 1</th>
<th>PHASE 2</th>
<th>PHASE 3</th>
<th>PHASE 4 (YUBA)</th>
<th>PHASE 4 (UPPER YUBA)</th>
<th>PHASE 4 (FEATHER SEGMENT 1)</th>
<th>PHASE 4 (FEATHER SEGMENT 2)</th>
<th>PHASE 4 (FEATHER SEGMENT 3)</th>
<th>PHASE 4 (UYLIP – Goldfields Actions)</th>
<th>PHASE 4 (FEATHER FLOOD CORRIDOR)</th>
<th>OLIVEHURST DETENTION BASIN</th>
<th>INTERIM O&amp;M</th>
<th>TRLIA OVERHEAD &amp; ADMIN 1\</th>
<th><strong>TOTAL</strong></th>
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TRLIA’s Overall Project Costs has decreased from the estimate provided in prior year budgets primarily due to a decrease in the projected costs of the Phase 4 (Upper Yuba) component of the program. TRLIA has realized a savings of approximately $31,000,000 from the original engineer’s estimate based upon limited engineering data to the final design and award of the construction contract. Additional Project savings have been realized on the Phase 4 Feather River project as a result lower than expected real estate acquisition costs. However, these savings may be offset once the hydraulic analysis for the Goldfields Area is completed in 2011. Finally, the Feather River Flood Corridor Project has been added to the Overall Program Costs given TRLIA’s submission of a Flood Corridor Program grant application.

TRLIA Construction Schedule by Phase is depicted on Figure 3. TRLIA expects to complete construction of currently known projects during calendar year 2011.

Figure 4 is a graphic of the Goldfields area where the hydraulic analysis is being conducted.

Figure 5 is a graphic showing where the proposed TRLIA Feather River Corridor Project is located.
Figure 3 - TRLIA Construction Schedule by Phase

**Phase 1 Improvements (2006)**
- Complete construction of Yuba River Levee strengthening-in-place construction between Simpson Lane and Goldfields area (approximately 4 miles)
- Levee system certification and FEMA Accreditation - TRLIA project complete

**Phase 1 Improvements (2007)**
- Begin Yuba River Levee strengthening-in-place construction between Simpson Lane and Goldfields area (approximately 4 miles)
- Complete degraded Feather River Levee, and forming environmental areas in setback
- Levee certification with FEMA/FDA (between Simpson Lane and Goldfields) and FEMA Accreditation

**Phase 1 Improvements (2008)**
- Complete construction of Feather River Setback Levees
- Demolition of existing Feather River Levee replaced by setback and fill soil borrow area
- Yuba River Levee between Hwy 70 & UPPR slope hardening
- New 100-foot flood protection goal
- Begin creation of fishing/environmental area (includes floodplain swale to mitigate potential fish stranding)
- Placement of rip rap along Feather River Levee at Yuba River confluence (Erosion Site 2)
- Repair of Feather River Levee segment crack
- TRLIA O&M Benefit Assessment District Approved

**Phase 1 Improvements (2009)**
- Acquisition of approximately 1,400 acres for Feather River Setback Levee
- Lower Jacksonville sidewalks and structures within the setback levee area clearing and grubbing of remaining trees
- Construction of setback levee embankment (approx. 2 miles) and installation of approximately 18 relief wells
- Removal of portions of the existing Bear and Feather River Levees
- Construction of a floodplain swale to mitigate for potential fish stranding

**Phase 1 Improvements (2010)**
- Upper Jacksonville sidewalk area and existing Bear River roadway
- Environmental restoration of setback area and existing Bear River roadway
- Demolition of existing houses and structures within the setback levee area, clearing and grubbing of remaining trees
- Construction of setback levee embankment (approximately 2 miles) and installation of approximately 18 relief wells
- Removal of portions of the existing Bear and Feather River Levees
- Construction of a floodplain swale to mitigate for potential fish stranding

**Phase 1 Improvements (2011)**
- Clearing, grubbing, and stripping of setback levee foundation
- Excavation and backfilling of approximately 9,500 feet of inspection trench
- Construction of approximately 5,500 feet (450,000 square feet) of anti-seepage clay core wall
- Construction of setback levee tie-in embankment with existing Feather River Levee and installation of two relief wells
- Investigation of three archeological areas revealed during construction

**Phase 2 Improvements (2006)**
- Olivehurst Detention Basin Ring Levee between SR-70 and the Clark Lateral Levee
- WPIC Levee crown raise to provide adequate freeboard
- Lower Bear Levee: Crown raise to provide adequate freeboard and a 5-foot wide impervious zone to prevent seepage. Pump Station No. 6 removal and a new set back pump station to protect against seepage at the Algodon Canal Tie-in for the Bear River setback levee

**Phase 2 Improvements (2007)**
- Yuba River LEVEE: 90- and 300-foot wide landscape seepage
- Coldwater River Lateral: New detention pond adjacent to the Coldwater River Lateral
- Upper WPIC Levee: 900-foot long, 38-foot deep clay core wall and an 1,100-foot long, 44-foot deep clay core wall to minimize seepage at Plumas Lake
- Lower WPIC Levee: Landfill for fill placed to provide protection against seepage
- Upper Bear Levee: Reconstruction of 500 feet of levee, rock slope protection at confluence with WPIC to provide erosion protection

**Phase 2 Improvements (2011)**
- Yuba Levee: 2,200-foot long, 50-foot deep clay core wall to provide a cutoff of seepage

**Phase 2 Improvements (2012)**
- Upper Bear Levee: 3,000-foot long, 50-foot deep clay core wall to provide closure of seepage

**Phase 2 Improvements (2013)**
- Yuba Levee: 3,000-foot long, 50-foot deep clay core wall to provide closure of seepage

**Phase 2 Improvements (2014)**
- Yuba Levee: 4,000-foot long, 50-foot deep clay core wall to provide closure of seepage

TRLIA FY 2011/12 Proposed Budget
Figure 4 - Goldfields Area

TRLJA FY 2011/12 Proposed Budget
Figure 5 - TRLIA Feather River Corridor Project

Location Map
Feather River Setback Project
(Project Levee Mile 17.2 - 23.4 L)
Yuba County, California

[Map showing the location of the project with various geographic features and location markers.]
TRLIA Revenues:

- **TRLIA General Fund No. 805:**
  This is the fund that developer money, State Proposition 13 reimbursements, levee impact fees, State Proposition 1E credit payments, and other miscellaneous revenues are deposited into. This is also the fund that all TRLIA payments are made from. Fund Nos. 810, 811, 813, 816, 817, and 818 transfer money to Fund No. 805 to pay project and administrative expenses.

- **State Proposition 1E Early Implementation Program (EIP) funding Agreements – Funds 816 and 817:**

  TRLIA currently has two funding agreements:
  
  o Modified Feather River EIP Agreement total project cost $200.5 million (State Share $154.8 million) – Modified Funding Agreement Approved by DGS March 25, 2010. The State Share of expenses for this project advanced to TRLIA is deposited to Fund No. 816. Once eligible expenses are paid from fund 805, the State share of the expense is transferred from fund 816 into 805.
  
  o Upper Yuba River EIP Agreement total project cost are approved up to $67.8 million of which $7.7 million is prior work (State share $47.4 million). However, the project costs have ultimately come in much lower based upon actual construction bids received after the completed design. The revised project costs which have been submitted to the State through the Work Plan Budgeting process now total $28.4 million. The State Share of expenses for this project advanced to TRLIA is deposited to Fund No. 817. Once eligible expenses are paid from fund 805, the State share of the expense is transferred from fund 817 into 805.

- **Yuba Levee Finance Authority Bond Revenues – Fund No. 813:**
  On July 22, 2008, YCWA and Yuba County formed the Yuba Levee Finance Authority (YLFA) as the entity to effectuate the borrowing contemplated in the local funding agreement. On September 23, 2008, the YLFA closed on bonds sales to yield $46.6 million in project proceeds. To date, $39,576,531 of the proceeds have been authorized and drawn down for the project.

- **TRLIA Benefit Assessment District – Fund No. 818:**
  On June 2, 2009 the TRLIA Board adopted a resolution to form the Benefit Assessment District to pay for the additional long-term maintenance and operation costs on the 29 miles of improved levees. The FY10/11 budget for the Assessment District was approximately $800,000. For the FY 10/11 year, the revenues deposited into Fund No. 818 (net of County related expenses) were $805,574.50. Some of these revenues represented prior FY 09/10 late collections. The revenues were distributed as follows:
  
  o RD784 for Levee Maintenance: $ 789,574.50
  o TRLIA for Administrative Expenses: $16,000
It is anticipated that the TRLIA Board will approve the FY11/12 collection of Levee O&M assessments at the June 28, 2011 TRLIA Board meeting. The base amount of assessments with no escalation is $835,155.30. Escalation of this amount based upon increases in the Consumer Price Index is subject to board discretion.

- **Levee Impact Fees – Fund No. 803:**
  Pursuant to Yuba County Ordinance No. 1465 adopted on November 18, 2008 (effective January 17, 2009) Yuba County collects Levee Impact Fees from building permits to help pay for the local share of costs of levee improvements being made by TRLIA. Fee revenue collected by the County is used to service and retire the bonds issued by YLFA. TRLIA no longer receives any revenue from this fund. In the future, TRLIA will need to work with the County to update the levee impact fee nexus study to reflect the costs of the improvement program, the associated financing costs incurred by the County & YLFA, as well as any updated development projections in the benefit area.

- **TRLIA Community Facility Districts (CFD) – Fund No.'s 810 and 811:**
  TRLIA collects revenues from two CFD’s that were created in April 2007 by the landowners that were developing property in the area benefited by the TRLIA levee improvement program. The CFD’s are called “TRLIA CFD 2006-1 (South County Area)” (Fund No. 810); and “TRLIA CFD 2006-2 (South County Overlay District)” (Fund No. 811). The special taxes levied by these CFD’s provide funding to the landowners developing the property in order to pay the Levee Impact Fee obligations imposed by County Ordinance No. 1465. TRLIA has issued CFD’s Bonds and the special taxes collected by the CFD’s are either being used to fund remaining fee obligations of the developers or redeem outstanding bonds. Funds collected to pay remaining fee obligations are transferred to YLFA in lieu of fee collections.

  In FY10/11 the CFD’s levied:
  - 2006-1: $400,299.96, and collected $395,271.69 (net of Auditor Controller Expenses). A portion of this collection will be used to pay TRLIA administrative expenses, the remaining funds will be used to advance levee fees and retire outstanding bond debt.
  - 2006-2: $85,098.54, and collected $84,138.96 (net of Auditor Controller Expenses). A portion will be used to pay TRLIA administrative expenses, the remaining funds will be used to advance levee fees and retire outstanding bond debt.

  Revenues for the coming Fiscal Year will be known when the CFD administrative work is completed in July in time for the August 10th submission of the Tax rolls to the Auditor Controller.

**Other TRLIA Budget Items of Note:**

- **Environmental Escrow Accounts:**
  TRLIA has established two Environmental Escrow Accounts to pay for Corps of Engineers 404 permit requirements:

  - Bear River Setback Area: The 404 permit requires TRLIA to create an endowment large enough to continually pay for long term monitoring and maintenance of the
Setback Area. The approved initial amount per the Property Analysis Record is $2,141,695. This amount has been placed into the escrow account and is generating interest. Once the property has been transferred (anticipated in 2011) to the State, and the State has identified a nonprofit 3rd party organization to maintain the area, TRLIA will execute a contract with the 3rd party organization. The estimated annual cost of the maintenance contract is $88,115 (subject to timing and inflationary adjustments).

- Feather River Wetlands and Drainage Swale Area: The 404 permit requires TRLIA to do the following items:
  
  ✓ Obtain a performance bond that could be used to fix the Wetlands and Drainage Swale Areas should they not meet the 3 year performance criteria. The performance period is anticipated to end in 2014. The approved bond amount is $220,286, which has been deposited into the escrow account.
  
  ✓ Create an endowment large enough to continually pay for long term monitoring and maintenance of the Wetlands and Drainage Swale Areas. The approved initial amount is $430,289. This amount has been placed into the escrow account and is drawing interest. Once the property has been transferred to the State (anticipated in 2012), and the State has identified a nonprofit 3rd party organization to maintain the area, TRLIA will execute a contract with the 3rd party organization. The yearly cost of the contract is estimated to be approximately $20,000.

- TRLIA Flood Protection Corridor EIP Application:
  TRLIA submitted an application for $9,548,904 of funding through the Flood Protection Corridor Program funded by Prop 1E. This request was for funding 100% of the project costs based upon the cost sharing guidelines that concluded TRLIA should be eligible for 100% State cost sharing due to the benefit area’s status as a Severely Disadvantaged Community. The program would fund the Restoration of 720 Acres of Riparian Habitat and approximately $891,000 of recreational improvements in the Feather River Setback area as well as long term O&M endowment. In addition, TRLIA has identified a plan that will incorporate the long term endowments listed in the prior section into a comprehensive operations and maintenance program to provide for the ongoing costs of maintaining the proposed enhanced corridor and link the areas to the Bear River Setback Levee. If the TRLIA Flood Protection Corridor grant application is approved, the details of this financing arrangement will be worked through and further developed. TRLIA will have a determination on the funding for this grant with the first quarter of FY 11/12. As noted above, this budget, assumes TRLIA is awarded the grant and commences work this FY.

- Levee and Levee Toe-Access Corridor Land Acquisition
  On February 1 and February 15, 2010, the TRLIA Board approved a new Real Estate Plan and adopted an amended budget for FY 2010/11 to provide appropriations for the support and acquisition of a Toe –Access Corridor along the Feather Segments 1 & 3, Upper Bear and WPIC, and Lower Yuba (Hwy 70 to Simpson Lane). This work is required as part of the encroachment permits associated with that prior completed work by TRLIA. TRLIA expects to complete most of this work as part of this year’s budget, with work along the Yuba River extending into next years budget.
• **TRLIA Memberships:**
TRLIA belongs to the California Central Valley Flood Control Association, Butte-Yuba-Sutter Water Quality Coalition, and the Floodplain Management Association. This budget includes TRLIA maintaining these memberships.

• **TRLIA Outreach:**
It is anticipated that due to TRLIA’s success in quickly completing the RD784 levee major levee improvements and achieving FEMA levee system accreditation, that TRLIA staff and Directors will continue to be asked to share how it was all done. The outreach effort could lead to new business opportunities for Yuba County. The FY 2010/11 budget included $100,000 for this effort and that effort was not completed. This budget proposes to carry over the prior year budget to continue this effort.

• **Evaluation of Interim Levee Design Criteria and 200-Year Compliance Determination**
As part of DWR’s implementation of SB 5, DWR provided new Interim Levee Design Criteria in December of 2010 that provide guidance on the design of levees protecting urban areas and requirements for 200-Year protection. Since February of 2011, TRLIA has been performing a comprehensive analysis of the work it has completed in order to ensure that the 200-Year Criteria that TRLIA has used to implement its projects complies with the new criteria promulgated by DWR. The County, in order to comply with the requirements of SB-5 and move forward with development plans in the area will need to demonstrate how it can provide the required urban level of flood protection. TRLIA has started this work and its design consultants are working to implement the approach board approved in February of 2010. TRLIA plans to complete this work by the end of FY 2011/12. If it is determined that the work previously completed by TRLIA does not meet the new criteria developed by DWR, then work implementing any needed modifications to the levees will be implemented in FY 2012/13.

• **Goldfields**
The Corps of Engineers presented their hydraulic analysis and findings for the Goldfields area at the March 2010 CVFPB meeting. The key points from the presentation were:
1) 100 year storm event: The Corps’ has concluded that the Goldfields do not represent a risk from flooding for the 100 year storm event. 2) 200 year storm event: The Corps hydraulic model for the 200 year storm event shows flow coming out of the Goldfields area above the RD784 Patrol Road levee. This overflow results in shallow overland flow and impacts portions of East and West Linda, Olivehurst, and Arboga. 3) TRLIA initiated a hydraulic study in 2010 to better define the risk of flooding from the Goldfields. The purpose of this effort is to reaffirm the Corps’ conclusions for the 100 year event and to conduct a more detailed evaluation of the flood risk at the 200 year flood event. The TRLIA analysis continues into 2011 and is anticipated to be available by August/September 2011. TRLIA originally budgeted $150,000 in 2010/11 to perform an Alternative Analysis to better define options for the 200-year storm event and with this 11/12 budget is continuing this effort in this budget. TRLIA has been able to incorporate a portion of these efforts into the respective EIP projects and cost share with the State on these efforts as part of the 200-Year compliance determination discussed above.
• **TRLIA Prior Year Funds**

In order to cover the nearly $400 million of costs of TRLIA’s levee improvement program, TRLIA has had various sources of funding. These funds can be categorized into two major categories, Non-Local Funding and Local Funding.

Non-Local Funding can be summarized as follows:
- State Funding through the Department of Water Resources
  - Has come in two forms Prop 13 Grants and Proposition 1E EIP Project funding agreements.
- State Funding through the Department of Fish & Game
  - Has come through two separate Prop 13 Grants
- Federal Funding through FEMA for the Olivehurst Detention Basin

Local Funding can be summarized as follows:
- Advanced Three Rivers Levee Impact Fees
  - From various agreements with developers in Plumas Lake
  - From the borrowing by the County and YCWA (jointly YLFA) to advance fees to specifically cover Phase 4 costs
- Advances from RD 784 for work done by TRLIA on RD 784 pump station facilities and later reimbursements if costs exceed initial advancement
- Revenues from the TRLIA Assessment District to cover the direct costs of administering the Assessment District
- Income from Feather Setback Farming leases
- Interest earned on cash balances

As TRLIA’s levee improvement program progressed over time, the timing of the above funding being made available to TRLIA to cover current project related varied. In general, TRLIA’s local funding sources from Advanced Three Rivers Levee Fees came sooner than State Funding through Prop 13 and Prop 1E. Essentially, in order to complete the project in an aggressive time frame and cash flow the program, TRLIA needed to use Local Funding from the Advanced Three Rivers Levee fees received from Developers and YLFA to cover not only the local share of the costs of the various project, but ultimately the State’s share of those costs as well. As time has passed, TRLIA has received reimbursements from the State through Prop 13 as well as payments through the EIP funding agreements thus recovering those Local Funding sources. This funding has come in the form of Credits for the state share of applicable prior work as outlined in both the (Feather and Upper Yuba) Prop 1E funding agreements.

As TRLIA’s program progresses and the State funded portions of TRLIA’s projects come to a close and all final reimbursements from the State are received, TRLIA will rely on those reimbursements that represent previously advanced local funds to complete its mission of providing 200-Year flood protection for the South County.

As noted above, there are two sources of Advanced Three Rivers Levee Impact Fees. Various funding agreements and funding districts (CFD’s) were implemented by TRLIA between 2004 and 2008 with local land developers. The money advanced through those agreements TRLIA refers to as “Prior Year Funds.” In 2008, the Yuba Levee Finance Authority executed its
borrowing to provide funding specifically for the local costs of Phase 4 Improvements. In doing this, the YLFA would now receive all Levee Impact Fees in order to pay off this borrowing. To provide an estimate of the current balance of “Prior Year Funds,” so that TRLIA can allocate this funding to specific activities, TRLIA has reviewed its expenditures to date associated with Phase 4 activities and determined the local responsibility for those expenditures, and compared this amount to the funding provided by YLFA to date. Any funding received by TRLIA to date making up its current balance within its 805 fund net of any excess amount provided by YLFA would constitute “Prior Local Funding.” The Table below shows the total local share of the Phase 4 EIP project costs and the total amount of funds advanced by the YLFA to date.

**Total Local Share of EIP Costs to Date**

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<td><strong>Segment 2 Real Estate</strong></td>
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**Upper Yuba Local Costs**

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**TOTAL**

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**Total Funding from YLFA Provided to Date**

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<td><strong>Total Funding from YLFA</strong></td>
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**Difference**

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Thus far, YLFA has provided $1,790,751 more than the local share of Phase 4 EIP project costs to date. TRLIA still has the bulk of the Phase 4 Yuba costs to incur which would represent approximately $16,000,000 of additional costs (approximately $4.8 million of local costs). Thus, the difference of $1.79 million to date will be erased. At this time TRLIA has opted not to ask for additional YLFA funds (and hold them in reserve for emergencies) and manage the balance of the Phase 4 program with the remaining prior year funds. Given these facts, TRLIA’s cash balances after the completion of enough the Phase IV Yuba project work to erase the difference above will represent all “Prior Year Funds” and not represent any funds from YLFA dedicated solely for Phase 4 activities. TRLIA will rely on the Prior Year funds to complete its mission of providing 200-Year flood protection for the South County.
TRLIA
FISCAL YEAR 2011-2012 BUDGET

BUDGETED ESTIMATED EXPENDITURE SUMMARY

ACCOUNT NUMBER | ACCOUNT DESCRIPTION | REQUEST 2011 - 2012
805-3350-425.15-00 | INSURANCE | 315,510
805-3350-425.20-00 | MEMBERSHIP | 10,800
805-3350-425.23-01 | SPECIAL PROJECTS | 22,056,827
| TRLIA Phase 2 Levee Repair | 1,234,968
| TRLIA Phase 3 Levee Repair | 14,162,703
| TRLIA Phase 4 Upper Yuba Levee Repair | 760,907
| TRLIA Phase 4 Feather Levee Repair (Segment 1) | 1,993,070
| TRLIA Phase 4 Feather Levee Repair (Segment 2) | 1,461,929
| Gold Fields Technical Analysis | 363,768
| Feather River Flood Corridor Protection Project | 1,779,923
805-3350-425.23-02 | PROFESSIONAL SERVICES | 573,000
805-3350-425.23-01 | TRLIA FUNDING DISTRICT ADMIN. | 26,000
805-3350-425.23-01 | TRLIA OUTREACH | 50,000
805-3350-425.29-00 | TRAVEL | 16,000
TOTAL | | 23,048,137

ESTIMATED REVENUE

ACCOUNT NUMBER | REVENUE SOURCE | AMOUNT 2011 - 2012
805-3350-425.90-00 | PROP 1E Yuba - State Share (Advances & Retention) | 9,653,217
805-0000-361.62-50 | PROP 1E Yuba - Credited Local Share | 1,208,485
805-3350-425.90-00 | PROP 1E Feather - State Share (Advances & Retention) | 8,168,199
805-0000-361.62-51 | PROP 1E Feather - Credited Local Share | 0
805-0000-TBD | PROP 1E FCPC Grant Funding | 906,414
805-0000-371.98-99 | Bear River Endowment Ecosystem Restoration Funding | 0
805-0000-371.98-99 | COUNTY/YCWA JOINT FINANCING | 0
805-0000-311.07-00 | NET FUNDING DISTRICT REVENUE (ADMIN) | 26,000
TOTAL | | 19,962,316

ESTIMATED FUND BALANCES (FY 11/12)

ACCOUNT NUMBER | AMOUNT
805-0000-101.01-00 | STARTING FUND BALANCE (CARRYOVER FROM 10/11) | 8,144,336
| PLUS Revenues | 19,962,316
| LESS Expenses | -23,048,137
805-0000-101.01-00 | ENDING FUND BALANCE (CARRYOVER TO 12/13) | 5,058,515
### SPECIAL PROJECTS DETAIL (#23-01)

**Jul 11 - Jun 12**

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<td>TRLIA Phase 2 Levee Repair Upper Bear, WPIC &amp; Yuba to UPRR</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,660</td>
<td>1,200,000</td>
<td>0</td>
<td>33,308</td>
<td>0</td>
<td>1,234,968</td>
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<tr>
<td>TRLIA Phase 3 Levee Repair Bear River Setback Levee</td>
<td>0</td>
<td>111,493</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>165,000</td>
<td>23,067</td>
<td>299,560</td>
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<tr>
<td>TRLIA Phase 4 Upper Yuba Levee Repair HWY 70 to Goldfields</td>
<td>115,000</td>
<td>410,000</td>
<td>9,137,062</td>
<td>1,566,700</td>
<td>1,128,941</td>
<td>240,209</td>
<td>330,373</td>
<td>1,234,417</td>
<td>14,162,703</td>
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<tr>
<td>TRLIA Phase 4 Feather Levee Repair Segment 1 - Strengthen in Place</td>
<td>0</td>
<td>80,447</td>
<td>0</td>
<td>0</td>
<td>643,359</td>
<td>0</td>
<td>37,101</td>
<td>0</td>
<td>760,907</td>
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<td>TRLIA Phase 4 Feather Levee Repair Segment 2 - Setback</td>
<td>0</td>
<td>44,817</td>
<td>3,000</td>
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<td>241,000</td>
<td>750,719</td>
<td>121,604</td>
<td>806,930</td>
<td>1,993,070</td>
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<td>TRLIA Phase 4 Feather Levee Repair Segment 3 - Strengthen in Place</td>
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<td>80,447</td>
<td>389,796</td>
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<td>41,051</td>
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<td>1,461,929</td>
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<td>Goldfields Analysis</td>
<td>312,000</td>
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<td>0</td>
<td>0</td>
<td>51,768</td>
<td>0</td>
<td>363,768</td>
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<tr>
<td>Feather River Flood Corridor Protection Project</td>
<td>23,308</td>
<td>110,000</td>
<td>1,196,297</td>
<td>211,111</td>
<td>0</td>
<td>0</td>
<td>239,206</td>
<td>0</td>
<td>1,779,923</td>
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**TOTALS**

<table>
<thead>
<tr>
<th>Design</th>
<th>Permitting</th>
<th>Construction</th>
<th>CM</th>
<th>ROW Capital/ Support /1</th>
<th>Environmental/ Mitigation/ Restoration</th>
<th>PM /1</th>
<th>Contingency</th>
<th>Total</th>
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<tbody>
<tr>
<td>450,308</td>
<td>837,205</td>
<td>10,726,156</td>
<td>1,844,471</td>
<td>4,123,935</td>
<td>1,155,928</td>
<td>$877,477</td>
<td>2,041,348</td>
<td>$22,056,827</td>
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</tbody>
</table>

1/ Specific ROW Support and Project Management Contract are detailed below.

### TRLIA PROJECT MANAGEMENT CONTRACTS (#23-01)

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>Work Included w/in</th>
<th>Contracts Included w/in</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBK (Program Mgmt &amp; Design Mgmt)</td>
<td>170,000</td>
<td>0</td>
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<tr>
<td>Handen Company</td>
<td>95,000</td>
<td>0</td>
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<tr>
<td>Downey Brand (General Counsel)</td>
<td>180,000</td>
<td>0</td>
</tr>
<tr>
<td>Downey Brand (R of W Counsel)</td>
<td>0</td>
<td>600,000</td>
</tr>
<tr>
<td>BRI (ROW Mgmt and Acquisition)</td>
<td>0</td>
<td>400,000</td>
</tr>
<tr>
<td>ROW Engineering (CTA)</td>
<td>0</td>
<td>50,000</td>
</tr>
<tr>
<td>SWC Inc. (Financial Consultant)</td>
<td>130,000</td>
<td>0</td>
</tr>
<tr>
<td>MBK and Mike Hinz (Financial Support and Auditing)</td>
<td>40,000</td>
<td>0</td>
</tr>
<tr>
<td>Floyd Communications (Public Relations)</td>
<td>80,000</td>
<td>0</td>
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**TOTAL**

695,000 1,050,000
## 2011/2012 PROFESSIONAL SERVICES DETAIL (#23-02)

<table>
<thead>
<tr>
<th>DETAIL DESCRIPTION</th>
<th>2011/12</th>
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<tbody>
<tr>
<td>Public Works Admin Salaries, Benefits, and Expenses</td>
<td>150,000</td>
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<tr>
<td>Executive Director Salary &amp; Benefits</td>
<td>160,000</td>
</tr>
<tr>
<td>1/ Based on full time effort</td>
<td></td>
</tr>
<tr>
<td>CAO, Auditor, &amp; Treasurer Salary, Benefits, and Expenses</td>
<td>95,000</td>
</tr>
<tr>
<td>Administrative Assistant Salary &amp; Benefits</td>
<td>70,100</td>
</tr>
<tr>
<td>2/ $7,500 per month</td>
<td></td>
</tr>
<tr>
<td>Clerk of the Board Salary, Benefits, and Expenses</td>
<td>10,000</td>
</tr>
<tr>
<td>TRLIA General Expenses (Services, Supplies &amp; Office)</td>
<td>90,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>575,100</strong></td>
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</tbody>
</table>

1/ Based on full time effort
2/ $7,500 per month
## TRLIA

### FISCAL YEAR 2012-2013 PROJECTED BUDGET

#### BUDGETED ESTIMATED EXPENDITURE SUMMARY 1/

<table>
<thead>
<tr>
<th>ACCOUNT NUMBER</th>
<th>ACCOUNT DESCRIPTION</th>
<th>AMOUNT 2012 - 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>805-3350-425.15-00</td>
<td>INSURANCE</td>
<td>315,510</td>
</tr>
<tr>
<td>805-3350-425.20-00</td>
<td>MEMBERSHIP</td>
<td>10,800</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>SPECIAL PROJECTS</td>
<td>3,801,247 1/</td>
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<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA Phase 3 Levee Repair</td>
<td>97,239</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA Phase 4 Upper Yuba Levee Repair</td>
<td>539,269</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA Phase 4 Feather Levee Repair (Segment 1)</td>
<td>5,000</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA Phase 4 Feather Levee Repair (Segment 2)</td>
<td>193,430</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA Phase 4 Feather Levee Repair (Segment 3)</td>
<td>5,000</td>
</tr>
<tr>
<td>805-3350-425.23-01</td>
<td>Gold Fields</td>
<td>20,000</td>
</tr>
<tr>
<td>805-3350-425.23-02</td>
<td>PROFESSIONAL SERVICES</td>
<td>542,000</td>
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<tr>
<td>805-3350-425.23-01</td>
<td>TRLIA FUNDING DISTRICT ADMIN.</td>
<td>24,000 2/</td>
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<tr>
<td>805-3350-425.29-00</td>
<td>TRAVEL</td>
<td>16,000 3/</td>
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<tr>
<td></td>
<td>TOTAL</td>
<td>4,709,557</td>
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</table>

#### ESTIMATED REVENUE 1/

<table>
<thead>
<tr>
<th>ACCOUNT NUMBER</th>
<th>REVENUE SOURCE</th>
<th>AMOUNT 2012 - 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>805-3350-425.90-00</td>
<td>PROP 1E Yuba - State Share (Advances &amp; Retention)</td>
<td>0 4/</td>
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<tr>
<td>805-0000-361.62-50</td>
<td>PROP 1E Yuba - Credited Local Share</td>
<td>0 5/</td>
</tr>
<tr>
<td>805-3350-425.90-00</td>
<td>PROP 1E Feather - State Share (Advances &amp; Retention)</td>
<td>0 6/</td>
</tr>
<tr>
<td>805-0000-361.62-51</td>
<td>PROP 1E Feather - Credited Local Share</td>
<td>0 5/</td>
</tr>
<tr>
<td>805-0000-TBD</td>
<td>PROP 1E FCPC Grant Funding</td>
<td>2,745,845 7/</td>
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<tr>
<td>805-0000-371.98-99</td>
<td>Bear River Endowment Ecosystem Restoration Funding</td>
<td>90,000 8/</td>
</tr>
<tr>
<td>805-0000-311.07-00</td>
<td>NET FUNDING DISTRICT REVENUE (ADMIN)</td>
<td>24,000 9/</td>
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<tr>
<td></td>
<td>TOTAL</td>
<td>2,859,845</td>
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</table>

#### ESTIMATED FUND BALANCES (FY 12/13)

<table>
<thead>
<tr>
<th>ACCOUNT NUMBER</th>
<th>STARTING FUND BALANCE (CARRYOVER FROM 11/12)</th>
<th>PLUS Revenues</th>
<th>LESS Expenses</th>
<th>ENDING FUND BALANCE (CARRYOVER TO 13/14)</th>
</tr>
</thead>
<tbody>
<tr>
<td>805-0000-101.01-00</td>
<td>5,058,515</td>
<td>2,859,845</td>
<td>-4,709,557</td>
<td>3,208,802</td>
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</tbody>
</table>

1/ Source for Special Project Budget is TRLIA Cash Flow Spreadsheet 6-20-11.
2/ CFD and Assessment District Admin including contracts with SCI & SWC. Shown separately from Special Projects for clarity.
3/ Includes O&M Cost of County Vehicle Provided to TRLIA
4/ Represents advance funding from the State per Upper Yuba funding agreement, transfers from fund 817.
5/ Represents funding for reimbursable expenses from the State per funding agreements.
6/ Represents advance funding from the State per Feather River funding agreement, transfers from fund 816.
7/ Represents funding expected to come from DWR for an approved Flood Corridor Program Grant. If a grant is not approved, the associated costs of the project would not be incurred as the project would not take place.
8/ Reflects Annuity from Endowment funded in December 2009.
9/ Represents transfers from funds 810, 811 and 818 to cover CFD and Assessment District administrative expenses.
### SPECIAL PROJECT DETAIL (#23-01)

**Jul 12 - Jun 13**

<table>
<thead>
<tr>
<th>PHASE</th>
<th>Major Cost Category</th>
<th>Design</th>
<th>Permitting</th>
<th>Construction</th>
<th>CM</th>
<th>ROW</th>
<th>Capital/SUPPORT</th>
<th>Environmental/Mitigation/Restoration</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRLIA Phase 2 Levee Repair</td>
<td>Upper Bear, WPIC &amp; Yuba to UPRR 200-yr</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>TBD</td>
<td>0</td>
</tr>
<tr>
<td>TRLIA Phase 3 Levee Repair</td>
<td>Bear River Setback Levee</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>90,000</td>
<td>7,239</td>
<td>0</td>
<td>97,239</td>
</tr>
<tr>
<td>TRLIA Phase 4 Upper Yuba Levee Repair</td>
<td>HWY 70 to Goldfields 200-yr</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0</td>
<td>416,228</td>
<td>0</td>
<td>123,041</td>
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</tr>
<tr>
<td>TRLIA Phase 4 Feather Levee Repair</td>
<td>Segment 1 - Strengthen in Place 200-yr</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,000</td>
<td>0</td>
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<tr>
<td>TRLIA Phase 4 Feather Levee Repair</td>
<td>Segment 2 - Setback</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>184,859</td>
<td>8,571</td>
<td>0</td>
<td>193,430</td>
</tr>
<tr>
<td>TRLIA Phase 4 Feather Levee Repair</td>
<td>Segment 3 - Strengthen in Place 200-yr</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5,000</td>
<td>0</td>
</tr>
<tr>
<td>Goldfields Analysis</td>
<td></td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>0</td>
<td>0</td>
<td>20,000</td>
<td>0</td>
<td>20,000</td>
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<tr>
<td>Feather River Flood Corridor Protection Project</td>
<td></td>
<td>0</td>
<td>0</td>
<td>2,237,067</td>
<td>394,777</td>
<td>0</td>
<td>41,696</td>
<td>267,771</td>
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</tbody>
</table>

**TOTALS** | $0 | $0 | $2,237,067 | $394,777 | $416,228 | $316,555 | $436,621 | $0 | $3,801,247 |

1/ Specific Project Management Contract are detailed below.

**TRLIA PROJECT MANAGEMENT CONTRACTS (#23-01)**

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>Management</th>
<th>Portion Included w/in Permits &amp; R of W</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBK (Program Mgmt &amp; Design Mgmt)</td>
<td>72,500</td>
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<tr>
<td>Handen Company</td>
<td>50,000</td>
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</tr>
<tr>
<td>Downey Brand (General Counsel)</td>
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</tr>
<tr>
<td>Downey Brand (R of W Counsel)</td>
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<td>20,000</td>
</tr>
<tr>
<td>BRI (ROW Mgmt and Acquisition)</td>
<td>0</td>
<td>20,000</td>
</tr>
<tr>
<td>ROW Engineering (CTA)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SWC (Financial Consultant)</td>
<td>50,000</td>
<td>0</td>
</tr>
<tr>
<td>MBK and Mike Hinz (Financial Support and Auditing)</td>
<td>25,000</td>
<td>0</td>
</tr>
<tr>
<td>Floyd Communications (Public Relations)</td>
<td>40,000</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>337,500</td>
<td>40,000</td>
</tr>
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2012/2013 PROFESSIONAL SERVICES DETAIL (#23-02) /1

DETAIL DESCRIPTION

Public Works Admin Salaries, Benefits, and Expenses 135,000
Executive Director Salary & Benefits 160,000 2/
CAO, Auditor, & Treasurer Salary, Benefits, and Expenses 90,000
Administrative Assistant Salary & Benefits 70,100 2/
Clerk of the Board Salary, Benefits, and Expenses 9,000
TRLIA General Expenses (Services, Supplies & Office) 80,000 3/

TOTAL 542,000

1/ Subject to revision based upon review level of work required to complete efforts included within budget.
2/ Based on full time effort
3/ $6,500 per month