

RECLAMATION

Managing Water in the West

Report to Congress

Office of Security, Safety, and Law Enforcement
Site Security Actions and Activities - Fiscal Year 2012



U.S. Department of the Interior
Bureau of Reclamation
Security, Safety, and Law Enforcement Office
Denver, CO

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Mission Statements

The U.S. Department of the Interior protects America's natural resources and heritage, honors our cultures and tribal communities, and supplies the energy to power our future.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

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Introduction

The Reclamation Security Program is a risk-based program designed to protect Reclamation's critical facilities as well as employees, contractors, and the public at or near those facilities. Security Program activities include prioritizing critical assets; identifying and assessing potential threats, vulnerabilities, and consequences; determining which risks are unacceptable; and mitigating unacceptable risks through integrated and cost-effective security measures. Security measures include facility fortification, guard and patrol activities, improved security plans and procedures, and law enforcement activities.

Section 513 of the Consolidated Natural Resources Act of 2008 (P.L. 110-229) is titled "Bureau of Reclamation Site Security" (referenced herein as the Act) and includes provisions addressing Reclamation site security costs, transparency and collaboration with Reclamation's stakeholders, and an annual report to Congress. This report is prepared pursuant to Section 513(c)(5) of the Act, which reads as follows:

"REPORT- The Secretary shall report annually to the Natural Resources Committee of the House of Representatives and the Energy and Natural Resources Committee of the Senate on site security actions and activities undertaken pursuant to this Act for each FY. The report shall include a summary of Federal and non-Federal expenditures for the FY and information relating to a 5-year planning horizon for the program, detailed to show pre-September 11, 2001, and post-September 11, 2001, costs for the site security activities."

As described in this report, Reclamation's expenditures for security measures are considered either reimbursable (meaning Reclamation's expenditures are reimbursed by project beneficiaries) or nonreimbursable (meaning Reclamation's expenditures are not reimbursed). The term "reimbursable" as used in this report has the equivalent meaning of the term "non-Federal" as used in the Act. Security Program expenditures are also divided into the categories of security-related capital improvements and security-related operation and maintenance (O&M).

Capital Improvements

Security-related capital improvements involve the physical fortification of Reclamation facilities to satisfy increased post-September 11, 2001, security needs. Capital improvements include the construction, modification, upgrade, or replacement of facility fortifications such as access control systems, barriers, enhanced communications, security lighting, remote surveillance systems, and alarm systems. Under the Act, these costs are nonreimbursable.

Operation and Maintenance

Security-related O&M includes the O&M of Reclamation facility fortifications; the O&M and replacement of guard and response force equipment; and guards and patrols, guard and patrol training, and patrols by local and tribal law enforcement entities. The Act provides that the costs for O&M at the levels of activity that existed prior to September 11, 2001, remain reimbursable. The costs of increased O&M following the events of September 11, 2001, are also reimbursable but are subject to an annual reimbursability ceiling established by the Act.

The reimbursement of O&M costs further depends on their "allocation." By law, Reclamation project O&M costs are allocated to the various authorized project purposes. The O&M costs allocated to purposes that benefit specific users, including irrigation water supply, municipal and industrial (M&I) water supply, and hydropower generation, are reimbursable by those beneficiaries. O&M costs allocated to purposes that benefit the general public, including flood control, recreation, and fish and wildlife enhancement are nonreimbursable.

Policies and Procedures

Reclamation's policies and procedures for reimbursability of security costs are titled Reimbursability of Security Costs Directives and Standards (SLE 05-01) and are available on Reclamation's web site at the following address: <http://www.usbr.gov/recman/sle/sle05-01.pdf>.

Rounding

All dollar figures displayed in this report are rounded to the nearest dollar.

Reimbursability Ceiling Calculations

As previously discussed, the Act sets an annual limit, or ceiling, on the reimbursement of increased security-related O&M costs incurred by Reclamation after the events of September 11, 2001. The Act set the initial annual reimbursability ceiling at \$18.9 million, and requires the ceiling to be indexed after Fiscal Year (FY) 2008 according to the preceding year's Consumer Price Index (CPI).

The U.S. Department of Labor, Bureau of Labor Statistics, CPI for All Urban Consumers was 3.868357% for the period September 2010 through September 2011. This resulted in a FY 2012 security reimbursability ceiling of \$20,567,903. Thus all post-9/11 security-related O&M expenditures over the indexed ceiling amount of \$20,567,903 for FY 2012 became nonreimbursable. The preceding numbers in this paragraph apply to the remaining calculations in this FY 2012 report.

With respect to FY 2013, the applicable U.S. Department of Labor, Bureau of Labor Statistics CPI for All Urban Consumers was 1.991282% for the period September 2011 through September 2012. Application of this index results in a FY 2013 security reimbursability ceiling of \$20,977,468, which will apply to the calculations appearing in next year's report.

Table 1 shows the reimbursability ceiling since implementation of the Act:

Table 1. Reimbursability Ceiling

| Fiscal Year | Applicable Consumer Price Index (rounded) | Reimbursability Ceiling |
|-------------|---|-------------------------|
| 2008 | -- | \$18,900,000 |
| 2009 | 4.94% | \$19,833,079 |
| 2010 | -1.29% | \$19,577,985 |
| 2011 | 1.14% | \$19,801,895 |
| 2012 | 3.87% | \$20,567,903 |
| 2013 | 1.99% | \$20,977,468 |

FY 2012 Site Security Activities and Expenditures

Reclamation's fortification expenditures in FY 2012 were \$7,024,908. These capital costs are nonreimbursable and are not included in the computation of the reimbursability ceiling. Please refer to Appendix A for a detailed breakout of FY 2012 fortification expenditures by facility.

Reclamation's FY 2012 security-related O&M expenditures and reimbursements are summarized below. Additional detail can be found in Appendices B and C.

FY 2012 Security-Related Operation and Maintenance Expenditure Summary

| | |
|--|---------------------|
| Total pre-9/11 Reimbursable Expenditures | \$3,922,872 |
| Total pre-9/11 Expenditures Allocated to Nonreimbursable Purposes | + 151,809 |
| Total pre-9/11 Expenditures | <u>\$4,074,681</u> |
| | |
| Total post-9/11 Reimbursable Expenditures | \$23,139,785 |
| Total post-9/11 Expenditures Allocated to Nonreimbursable Purposes | + 2,586,613 |
| Total post-9/11 Expenditures | <u>\$25,726,398</u> |
| | |
| Total Reimbursable Expenditures | \$27,062,657 |
| Total Nonreimbursable Expenditures | + 2,738,422 |
| Total FY 2012 Expenditures | <u>\$29,801,079</u> |
| | |
| Total post-9/11 Reimbursable Expenditures | \$23,139,785 |
| Post-9/11 Indexed Reimbursability Ceiling (actual reimbursement) | - 20,567,903 |
| Reimbursable Costs Exceeding the Ceiling | <u>\$2,571,882</u> |
| | |
| Ceiling as Ratio of Total post-9/11 Reimbursable Expenditures | 0.8889 |
| | |
| Percentage of FY 2012 post-9/11 Reimbursable Security O&M Costs to be Paid by Project Beneficiaries After Application of the Ceiling | 88.89% |

Effects of the Reimbursability Ceiling

Since the Act went into effect in 2008, application of the reimbursability ceiling has resulted in actual post-9/11 O&M costs that exceeded reimbursements by project customers. The difference between the ceiling and actual post-9/11 reimbursable O&M costs is nonreimbursable and has totaled just under \$6 million through FY 2012. Those nonreimbursable costs, which would have been fully repaid in the absence of the ceiling, are instead covered by the United States.

The actual and projected annual reimbursement and nonreimbursable costs in FY 2009-2017 are shown in Table 2:

Table 2. Actual and Projected Annual Reimbursement and Nonreimbursable Cost – FY 2009 - 2017

| Fiscal Year | Data Basis | Reimbursability Ceiling (\$) | Post-9/11 Reimbursable O&M Costs (\$) | Nonreimbursable Over-the-Ceiling Costs (\$) |
|-------------|------------|------------------------------|---------------------------------------|---|
| 2008 | | 18,900,000 | | |
| 2009 | Actuals | 19,833,079 | 20,633,891 | 800,812 |
| 2010 | Actuals | 19,577,985 | 21,773,652 | 2,195,667 |
| 2011 | Actuals | 19,801,895 | 20,212,333 | 410,438 |
| 2012 | Actuals | 20,567,903 | 23,139,785 | 2,571,882 |
| 2013 | Projected | 20,977,468 | 23,628,085 | 2,650,617 |
| 2014 | Projected | 21,397,017 | 24,549,457 | 3,152,440 |
| 2015 | Projected | 21,824,958 | 25,400,326 | 3,575,368 |
| 2016 | Projected | 22,261,457 | 26,146,673 | 3,885,216 |
| 2017 | Projected | 22,706,686 | 26,855,467 | 4,148,781 |

Annual fluctuations in post-9/11 reimbursable O&M costs and nonreimbursable over-the-ceiling costs largely depend on the FY in which the end-of-year costs are posted.

FY 2011 actual costs were understated in the financial system due to a modification to the accounting procedure. The accounting procedure was modified to ensure consistent tracking of over-the-ceiling credits in the finance system and annual report to Congress. The inconsistency was caused by booking some credits in the wrong fiscal year (although the customers were credited in the proper years). This inconsistency has been rectified by training of new employees. The FY 2011 credit was corrected in FY 2012, causing a spike in total reimbursable costs for FY 2012. As discussed in the report, this one time modification is not expected to impact projections for FY 2013 and beyond. This modification will not impact projections for

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FY 2013 and beyond. The increase in the out-year projections was due to expiring manufacturer warranties which will no longer cover maintenance. As Reclamation has to cover these costs after the warranties expire, the O&M costs are expected to increase from FY 2012 through FY 2016. In addition, new systems that have been installed in the last few years will begin to incur maintenance costs during this period.

It is also noteworthy that the decrease in the reimbursability ceiling between FY 2009 and FY 2010 went into effect despite an increase in post-9/11 reimbursable O&M costs in that fiscal year. This decrease in the reimbursability ceiling was the result of a negative CPI in FY 2010 (shown in Table 1 on page 3). Because each fiscal year's reimbursability ceiling is based on the previous year's, this decrease has affected, and will continue to affect, the reimbursability ceiling in all future years.

Summary of Five-Year Site Security Plans

Facility Fortification

Physical security enhancements help protect Reclamation facilities from terrorist threats, other criminal activities, and unauthorized operation of water control systems. These costs include construction, modification, upgrade, and replacement of facility fortifications. Physical fortification includes physical security improvements such as access control systems, barriers, enhanced communications, lighting, surveillance systems, and alarm systems. The Act establishes that capital costs for the physical fortification of Reclamation facilities incurred after September 11, 2001, are nonreimbursable.

Reclamation utilizes a comprehensive comparative risk assessment and decision making process to determine the risk to each asset and the mitigation actions needed to reduce risk. Risk to facility assets is reduced by implementation of procedural and physical enhancements such as vehicle barriers, electronic detection and surveillance, guards and patrol, or structural modification of the asset. These actions reduce the likelihood of attack or criminal activity which could result in structural damage, failure, and resultant loss of life, downstream damage, and loss of project benefits. In addition, these actions address reliability and regulatory requirements of National Electric Reliability Corporation Critical Infrastructure Protection standards.

Over the next five years, physical security upgrades and enhancements are scheduled at several major Reclamation facilities. Table 3 below shows currently planned capital expenditures, including design and contract support costs, for the next five years:

Table 3. Currently Planned Capital Expenditures – FY 2013 - 2017

| FY 2013 Request | FY 2014 Estimate | FY 2015 Estimate | FY 2016 Estimate | FY 2017 Estimate |
|--------------------|---------------------|---------------------|---------------------|------------------|
| \$5,900,000 | \$6,200,000 | \$6,300,000* | \$6,426,000* | \$6,554,520* |

*Out-year figures are based on projected FY 2014 spending levels, plus a 2% estimated annual inflation adjustment. These figures are subject to further adjustment based on available funding.

A detailed breakout of future capital expenditures by facility is not provided in this report because annual work plans and fortification schedules are developed each year based on the current assessment of risks, the criticality level and priority of each asset, and the progress of current fortification work.

Security O&M

Security-related O&M includes the operation and maintenance of Reclamation facility fortifications; the operation, maintenance, and replacement of guard and response force equipment; and guards and patrols, guard and patrol training, and patrols by local and tribal law enforcement entities. Table 4 below shows a consolidated five year plan of pre- and post-9/11 security-related O&M costs:

Table 4. Consolidated Five Year Plan of Pre-and Post-9/11 Security-Related O&M Costs – FY 2013 - 2017

| Security O&M Component | FY 2013 | FY 2014* | FY 2015* | FY 2016* | FY 2017* |
|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Guards | \$28,445,935 | \$29,513,325 | \$30,559,152 | \$31,484,240 | \$32,364,275 |
| Fortification O&M | \$ 2,281,300 | \$ 2,385,200 | \$ 2,457,833 | \$ 2,501,609 | \$ 2,539,738 |
| Total | \$30,727,235 | \$31,898,525 | \$33,016,985 | \$33,985,849 | \$34,904,013 |

*Estimates are subject to change.

Please refer to Appendix D for the detailed five-year plan for guards and patrols, and Appendix E for the detailed five-year plan for fortification O&M. The five-year plan shows total projected costs and does not reflect what portion of those costs will be allocated to reimbursable and nonreimbursable project purposes, or the possible effects of the reimbursability ceiling. These estimates are subject to change.

Out-year budget estimates for guards and patrols are based on existing and estimated guard contract figures. Fortification O&M out-year figures are best estimates of anticipated costs based on the type of maintenance and age of the equipment at each facility.

Summary

The statutory reimbursability ceiling for FY 2012 was \$20,567,903, which was \$2,571,882 or about 11.1% less than Reclamation's actual post-9/11 FY 2012 security O&M expenditures of \$23,139,785. The \$2,571,882 difference was therefore nonreimbursable and was paid by the United States.

Reclamation's site security program continues to utilize risk management to address the security risks associated with Reclamation facilities. The program costs are driven by Reclamation actions needed to manage those risks. Reclamation continues to monitor and manage the costs of security-related fortification and O&M activities.

While security related O&M costs increased in FY 2010, the security reimbursability ceiling decreased from the previous year as a result of a negative CPI. This decrease affected the ceiling in FY 2011 and will continue to affect the ceiling in all future years. As reflected in the five year plans, guard and fortification O&M expenditures are expected to increase and continue to exceed the ceiling over the next several years, which means that actual O&M costs will exceed reimbursements by project customers.

In FY 2012, Reclamation continued to move forward with facility fortification projects which include physical modifications to reduce vulnerabilities, barrier systems for access control, and improved security surveillance at Reclamation facilities. Physical security upgrades and enhancements are planned in the upcoming years to reduce security related risks at Reclamation facilities. These fortification expenditures are nonreimbursable in accordance with the Act.

Acronyms and Abbreviations

Bureau of Reclamation
CPI
FY
O&M

Reclamation
Consumer Price Index
Fiscal Year
Operation and Maintenance

Appendices

- A. Reclamation Fiscal Year 2012 Nonreimbursable Fortification Expenditures
- B. Fiscal Year 2012 Guard and Fortification Operation and Maintenance Expenditures
- C. Fiscal Year 2012 Reimbursable Expenditures
- D. Reclamation Guards and Patrols Five Year Plan
- E. Reclamation Fortification Operation and Maintenance Five Year Plan

APPENDIX A: RECLAMATION FISCAL YEAR 2012 NONREIMBURSABLE FORTIFICATION EXPENDITURES

| Region/Project/Facility | FISCAL YEAR 2012 NONREIMBURSABLE EXPENDITURES |
|---|---|
| Pacific Northwest Region | |
| Boise Area Projects | |
| Anderson Ranch | 199,523 |
| Columbia Basin Project | |
| Grand Coulee | 184,301 |
| Crooked River Project | |
| Arthur R. Bowman | 1,261 |
| Deschutes Project | |
| Wickiup | 4,569 |
| Minidoka Area Projects | |
| Minidoka | 54,355 |
| Palisades | 2,716,678 |
| Rogue River Basin Project, Talent Division | |
| Emigrant | 10,749 |
| Howard Prairie | 1,222 |
| Umatilla Project | 70,510 |
| PN Total | 3,243,168 |
| Mid Pacific Region | |
| Central Valley Project | |
| Folsom | 1,760,289 |
| Shasta | 95,680 |
| MP Total | 1,855,969 |
| Lower Colorado Region | |
| Horse Mesa | 4,592 |
| Mormon Flat | 368 |
| Boulder Canyon Project | |
| Hoover | 188,148 |
| Parker-Davis Project | |
| Parker | 8,760 |
| Davis | 383,754 |
| LC Total | 585,622 |
| Upper Colorado Region | |
| Colorado River Storage Project | |
| Flaming Gorge | 1,921 |
| Blue Mesa | 88,338 |
| Glen Canyon | 550,556 |
| Morrow Point Dam & Powerplant | 15,686 |
| Ogden River Project | |
| Pineview Dam | 5,688 |
| Weber Basin Project | |
| Echo Dam | 55,623 |
| UC Total | 717,812 |

APPENDIX A: RECLAMATION FISCAL YEAR 2012 NONREIMBURSABLE FORTIFICATION EXPENDITURES

| Region/Project/Facility | FISCAL YEAR 2012 NONREIMBURSABLE EXPENDITURES |
|--------------------------------------|---|
| Great Plains Region | |
| Eastern Colorado Area Office | 45 |
| Colorado/Big Thompson Project | |
| Green Mountain Dam & Powerplant | 66,763 |
| Carter Lake Dams | 23,484 |
| Horsetooth | 223,881 |
| Estes | 18,519 |
| Fryingpan/Arkansas Project | |
| Sugar Loaf Dam and Dike | 20,637 |
| Mt. Elbert Forebay and Powerplant | 3,060 |
| Kendrick | |
| Alcova Dam & Powerplant | 28,197 |
| Seminoe Dam & Powerplant | 29,024 |
| North Platte Project | |
| Pathfinder | 5,924 |
| PSMBP - Canyon Ferry | |
| Canyon Ferry Dam | 44,757 |
| PSMBP - Glendo Unit | |
| Fremont Canyon Powerplant | 19,875 |
| PSMBP - North Platte Area | |
| Casper Control Center | 79,769 |
| PSMBP - Yellowtail | |
| Yellowtail Dam Complex | 58,402 |
| GP Total | 622,337 |
| RECLAMATION TOTAL | |
| | 7,024,908 |
| SUMMARY | |
| PN | 3,243,168 |
| MP | 1,855,969 |
| LC | 585,622 |
| UC | 717,812 |
| GP | 622,337 |

APPENDIX B: FISCAL YEAR 2012 GUARD AND FORTIFICATION OPERATION AND MAINTENANCE EXPENDITURES

| Region/Project/Facility | Guards | | | | Fortification Operation and Maintenance | | | | Total Guards and Fortification O&M | Total Post 9/11 Reimbursable Includes Prior Year Adjustments |
|---------------------------------|------------------|----------------------------------|------------------|----------------------------------|---|----------------------------------|----------------|----------------------------------|------------------------------------|--|
| | Pre- 9/11 | | Post 9/11 | | Pre- 9/11 | | Post-9/11 | | | |
| | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | | |
| Pacific Northwest Region | | | | | | | | | | |
| Boise Area Projects | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,268 | 7,268 | 0 |
| Anderson Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 1,669 | (1,669) | 0 | 1,669 |
| Arrowrock | 0 | 0 | 0 | 0 | 0 | 0 | 2,435 | (2,435) | 0 | 2,435 |
| Cascade | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Columbia Basin Project | 247,836 | 13,772 | 6,148,233 | 484,776 | 0 | 0 | 351,662 | 13,348 | 7,239,627 | 6,499,895 |
| Grand Coulee | | | | | | | | | | |
| Minidoka Area Projects | 0 | 0 | 0 | 0 | 0 | 0 | 594 | 233 | 827 | 594 |
| American Falls | 0 | 0 | 0 | 0 | 953 | 0 | 13,023 | 53 | 14,029 | 13,023 |
| Minidoka | 0 | 0 | 0 | 0 | 0 | 0 | 32,947 | 1,404 | 34,351 | 32,947 |
| Palisades | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Umatilla Project | 0 | 0 | 0 | 0 | 0 | 0 | 259 | 559 | 818 | 259 |
| McKay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yakima Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Division | 0 | 0 | 0 | 0 | 0 | 0 | (293) | 0 | (293) | (293) |
| Bumping Lake | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PN Total | 247,836 | 13,772 | 6,148,233 | 484,776 | 953 | 0 | 402,286 | 18,781 | 7,298,627 | 6,550,528 |
| Mid Pacific Region | | | | | | | | | | |
| Central Valley Project | 0 | 0 | 4,700,369 | 1,109,011 | 20,680 | 0 | 31,706 | 79,401 | 5,941,167 | 4,732,075 |
| Folsom | 0 | 0 | 4,700,369 | 1,109,011 | 20,680 | 0 | 200,308 | 0 | 4,216,838 | 2,869,093 |
| Shasta | 718,069 | 0 | 2,668,785 | 629,676 | 0 | 0 | 0 | 0 | 81,748 | 0 |
| Delta Division | 0 | 0 | 0 | 81,748 | 0 | 0 | 0 | 0 | 108,588 | 0 |
| Friant Division | 0 | 0 | 0 | 0 | 108,588 | 0 | 0 | 0 | 82,688 | 0 |
| East Side Division | 0 | 0 | 0 | 0 | 0 | 82,688 | 0 | 0 | 22,480 | 0 |
| Cachuma | 0 | 0 | 0 | 0 | 0 | 22,480 | 0 | 0 | 35,725 | 2,856 |
| Klamath | 0 | 0 | 0 | 0 | 0 | 32,869 | 2,856 | 0 | 0 | 0 |
| MP Total | 718,069 | 0 | 7,369,154 | 1,820,435 | 129,268 | 138,037 | 234,870 | 79,401 | 10,489,234 | 7,604,024 |
| Lower Colorado Region | | | | | | | | | | |
| Boulder Canyon Project | 2,826,746 | 0 | 4,082,324 | 0 | 0 | 0 | 302,018 | 0 | 7,211,088 | 4,384,342 |
| Hoover | 2,826,746 | 0 | 4,082,324 | 0 | 0 | 0 | 0 | 0 | 7,211,088 | 4,384,342 |
| Parker-Davis Project | 0 | 0 | 673,960 | 0 | 0 | 0 | 26,902 | 0 | 700,862 | 700,862 |
| Parker | 0 | 0 | 599,972 | 0 | 0 | 0 | 46,426 | 0 | 646,398 | 646,398 |
| Davis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yuma Area Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yuma | 0 | 0 | 0 | 0 | 0 | 0 | 378,348 | 0 | 8,583,348 | 5,731,802 |
| LC Total | 2,826,746 | 0 | 5,356,284 | 0 | 0 | 0 | 378,348 | 0 | 8,583,348 | 5,731,802 |
| Upper Colorado Region | | | | | | | | | | |
| Colorado River Storage Project | 0 | 0 | 542,925 | 60,325 | 0 | 0 | 19,832 | 2,204 | 625,286 | 562,757 |
| Flaming Gorge | 0 | 0 | 130,950 | 4,050 | 0 | 0 | 11,420 | 353 | 146,773 | 142,370 |
| Blue Mesa | 0 | 0 | 1,556,616 | 31,768 | 0 | 0 | 62,403 | 1,274 | 1,652,061 | 1,619,019 |
| Glen Canyon | 0 | 0 | 2,230,491 | 88,143 | 0 | 0 | 83,685 | 3,831 | 2,424,120 | 2,324,146 |
| UC Total | 0 | 0 | 2,230,491 | 88,143 | 0 | 0 | 83,685 | 3,831 | 2,424,120 | 2,324,146 |

All dollar figures displayed are rounded to the nearest dollar.

APPENDIX B: FISCAL YEAR 2012 GUARD AND FORTIFICATION OPERATION AND MAINTENANCE EXPENDITURES

| Region/Project/Facility | Guards | | | | Fortification Operation and Maintenance | | | | Total Guards and Fortification O&M | Total Post 9/11 Reimbursable Includes Prior Year Adjustments |
|--|--------------|----------------------------------|----------------|----------------------------------|---|----------------------------------|--------------|----------------------------------|------------------------------------|--|
| | Pre- 9/11 | | Post 9/11 | | Pre- 9/11 | | Post-9/11 | | | |
| | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | | |
| Great Plains Region | | | | | | | | | | |
| Colorado/Big Thompson Project | | | (9,884) | 0 | 0 | 0 | 0 | 0 | (9,884) | (9,884) |
| Green Mountain Dam & Powerplant | 0 | 0 | 69,517 | 0 | 0 | 0 | 0 | 0 | 69,517 | 69,517 |
| Olympus Dam & Estes Powerplant | 0 | 0 | 31,123 | 0 | 0 | 0 | 0 | 0 | 31,123 | 31,123 |
| Carter Lake Dams | 0 | 0 | 102,723 | 0 | 0 | 0 | 0 | 0 | 102,723 | 102,723 |
| Flatiron Dam & Power Facilities | 0 | 0 | 57,101 | 0 | 0 | 0 | 0 | 0 | 57,101 | 57,101 |
| Rattlesnake Dam & Pole Hill Powerplant | 0 | 0 | 51,312 | 0 | 0 | 0 | 0 | 0 | 51,312 | 51,312 |
| Alva B. Adams Tunnel | | | | | | | | | | |
| Granby Dam, Dikes & Farr Pumping Plant | 0 | 0 | 40,000 | 0 | 0 | 0 | 0 | 0 | 40,000 | 40,000 |
| Willow Creek Dam | 0 | 0 | 10,000 | 0 | 0 | 0 | 0 | 0 | 10,000 | 10,000 |
| Willow Creek Pumping Plant | 0 | 0 | 20,000 | 0 | 0 | 0 | 0 | 0 | 20,000 | 20,000 |
| Horsetooth | 0 | 0 | 34,089 | 0 | 0 | 0 | 0 | 0 | 34,089 | 34,089 |
| Charles Hansen Canal | 0 | 0 | 32,306 | 0 | 0 | 0 | 0 | 0 | 32,306 | 32,306 |
| Pole Hill Canal | 0 | 0 | 32,306 | 0 | 0 | 0 | 0 | 0 | 32,306 | 32,306 |
| Fryingpan/Arkansas Project | | | | | | | | | | |
| Ruedi Dam - East Slope | 0 | 0 | (2,817) | (1,908) | 0 | 0 | 0 | 0 | (4,725) | (2,817) |
| Ruedi Dam - West Slope | 0 | 0 | (5,327) | (4,201) | 0 | 0 | 0 | 0 | (9,528) | (5,327) |
| Sugar Loaf Dam and Dike | 0 | 0 | 9,570 | 6,979 | 0 | 0 | 0 | 0 | (27,816) | (27,816) |
| Mt. Elbert Forebay and Powerplant | 0 | 0 | (27,816) | 0 | 0 | 0 | 0 | 0 | 16,549 | 10,502 |
| Twin Lakes Dam | 0 | 0 | 10,502 | 6,047 | 0 | 0 | 0 | 0 | 16,549 | 10,502 |
| Kendrick | | | | | | | | | | |
| Seminole Dam & Powerplant | 0 | 0 | 9,191 | 0 | 0 | 0 | 0 | 0 | 9,191 | 9,191 |
| Milk River | | | | | | | | | | |
| Fresno | 0 | 0 | 4,440 | 2,309 | 0 | 0 | 0 | 0 | 6,749 | 4,440 |
| North Platte Project - Guernsey | | | | | | | | | | |
| North Platte Project - Guernsey | 0 | 0 | 1,015 | 0 | 0 | 0 | 0 | 0 | 1,015 | 1,015 |
| PSMBP - Boysen | | | | | | | | | | |
| Boysen Dam & Powerplant | 0 | 0 | 1,612 | 10,415 | 0 | 0 | 0 | 0 | 12,027 | 1,612 |
| PSMBP - Canyon Ferry | | | | | | | | | | |
| Canyon Ferry Dam | 0 | 0 | 21,134 | 28,198 | 0 | 0 | 0 | 0 | 49,332 | 21,134 |
| PSMBP - N Platte Area -Kortes/Glendo | | | | | | | | | | |
| Kortes Dam & Powerplant | 0 | 0 | 945 | 0 | 0 | 0 | 0 | 0 | 945 | 945 |
| Glendo | 0 | 0 | 710 | 305 | 0 | 0 | 0 | 0 | 1,015 | 710 |
| PSMBP - Buffalo Bill Dam Modification | | | | | | | | | | |
| Buffalo Bill Dam | 0 | 0 | 9,386 | 699 | 0 | 0 | 0 | 0 | 10,085 | 9,386 |
| PSMBP - Yellowtail | | | | | | | | | | |
| Yellowtail Dam Complex | 0 | 0 | 195,221 | 54,423 | 0 | 0 | 0 | 0 | 249,644 | 195,221 |
| GP Total | 0 | 0 | 688,389 | 103,286 | 0 | 0 | 0 | 0 | 801,625 | 688,389 |

All dollar figures displayed are rounded to the nearest dollar.

APPENDIX B: FISCAL YEAR 2012 GUARD AND FORTIFICATION OPERATION AND MAINTENANCE EXPENDITURES

| Region/Project/Facility | Guards | | | | Fortification Operation and Maintenance | | | | Total Guards and Fortification O&M | Total Post 9/11 Reimbursable Includes Prior Year Adjustments |
|--------------------------|------------------|----------------------------------|-------------------|----------------------------------|---|----------------------------------|------------------|----------------------------------|------------------------------------|--|
| | Pre- 9/11 | | Post 9/11 | | Pre- 9/11 | | Post-9/11 | | | |
| | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | Reimbursable | Non Reimbursable Project Purpose | | |
| RECLAMATION TOTAL | 3,792,651 | 13,772 | 21,802,493 | 2,484,620 | 130,221 | 138,037 | 1,106,167 | 101,993 | 29,569,954 | 22,908,660 |
| SUMMARY | | | | | | | | | | |
| PN | 247,836 | 13,772 | 6,148,233 | 464,776 | 953 | 0 | 402,296 | 18,761 | 7,296,627 | 6,550,529 |
| MP | 718,069 | 0 | 7,369,154 | 1,820,435 | 129,268 | 138,037 | 234,870 | 79,401 | 10,489,234 | 7,604,024 |
| LC | 2,826,746 | 0 | 5,356,256 | 0 | 0 | 0 | 375,346 | 0 | 8,558,348 | 5,731,602 |
| UC | 0 | 0 | 2,230,491 | 96,143 | 0 | 0 | 93,655 | 3,831 | 2,424,120 | 2,324,146 |
| GP | 0 | 0 | 698,359 | 103,266 | 0 | 0 | 0 | 0 | 801,625 | 698,359 |

All dollar figures displayed are rounded to the nearest dollar.

APPENDIX C: FISCAL YEAR 2012 REIMBURSABLE EXPENDITURES

| Region/Project/Facility | Guard Post 9/11 Reimbursable | Fortification Operation and Maintenance Post-9/11 Reimbursable | Total Post 9/11 Reimbursable Includes Prior Year Adjustments | FY 2011 Over the Ceiling Adjustments Applied Against Reimbursable FY 2012 Costs | Post 9/11 Total Reimbursable Before Application of Ceiling | Post 9/11 Total Reimbursable After Application of Ceiling | NonReimb Over the Ceiling To Be Applied in FY 2013 |
|---------------------------------------|------------------------------|--|--|---|--|---|--|
| Pacific Northwest Region | | | | | | | |
| Boise Area Projects | | | | | | | |
| Arrowrock | 0 | 1,669 | 1,669 | | 1,669 | 1,483 | 186 |
| Cascade | 0 | 2,435 | 2,435 | | 2,435 | 2,164 | 271 |
| Columbia Basin Project | | | | | | | |
| Grand Coulee | 6,148,233 | 351,662 | 6,499,895 | 120,989 | 6,620,884 | 5,885,003 | 735,881 |
| Minidoka Area Projects | | | | | | | |
| American Falls | 0 | 594 | 594 | 12 | 606 | 539 | 67 |
| Minidoka | 0 | 13,023 | 13,023 | 1,135 | 14,158 | 12,584 | 1,574 |
| Palisades | 0 | 32,947 | 32,947 | 311 | 33,258 | 29,562 | 3,696 |
| Umatilla Project | | | | | | | |
| McKay | 0 | 259 | 259 | 6 | 265 | 236 | 29 |
| Yakima Project | | | | | | | |
| Storage Division | 0 | 0 | 0 | 293 | 293 | 260 | 33 |
| Bumping Lake | 0 | (293) | (293) | | (293) | (260) | (33) |
| PN Total | 6,148,233 | 402,296 | 6,550,529 | 122,748 | 6,673,276 | 5,931,671 | 741,704 |
| Mid Pacific Region | | | | | | | |
| Central Valley Project | | | | | | | |
| Folsom | 4,700,369 | 31,706 | 4,732,075 | | 4,732,075 | 4,206,126 | 525,949 |
| Shasta | 2,668,785 | 200,308 | 2,869,093 | | 2,869,093 | 2,550,206 | 318,887 |
| Klamath | 0 | 2,856 | 2,856 | | 2,856 | 2,539 | 317 |
| MP Total | 7,369,154 | 234,870 | 7,604,024 | 0 | 7,604,024 | 6,758,871 | 845,153 |
| Lower Colorado Region | | | | | | | |
| Boulder Canyon Project | | | | | | | |
| Hoover | 4,082,324 | 302,018 | 4,384,342 | 80,381 | 4,464,723 | 3,968,489 | 496,234 |
| Parker-Davis Project | | | | | | | |
| Parker | 673,960 | 26,902 | 700,862 | 14,783 | 715,645 | 636,104 | 79,541 |
| Davis | 599,972 | 46,426 | 646,398 | 13,215 | 659,613 | 586,300 | 73,313 |
| LC Total | 5,356,256 | 375,346 | 5,731,602 | 108,379 | 5,839,991 | 5,190,893 | 649,087 |
| Upper Colorado Region | | | | | | | |
| Colorado River Storage Project | | | | | | | |
| Flaming Gorge | 542,925 | 19,832 | 562,757 | | 562,757 | 500,209 | 62,548 |
| Blue Mesa | 130,950 | 11,420 | 142,370 | | 142,370 | 126,546 | 15,824 |
| Glen Canyon | 1,556,616 | 62,403 | 1,619,019 | | 1,619,019 | 1,439,072 | 179,947 |
| UC Total | 2,230,491 | 93,655 | 2,324,146 | 0 | 2,324,146 | 2,065,828 | 258,318 |

All dollar figures displayed are rounded to the nearest dollar.

APPENDIX C: FISCAL YEAR 2012 REIMBURSABLE EXPENDITURES

| Region/Project/Facility | Guard Post 9/11 Reimbursable | Fortification Operation and Maintenance Post-9/11 Reimbursable | Total Post 9/11 Reimbursable Includes Prior Year Adjustments | FY 2011 Over the Ceiling Adjustments Applied Against Reimbursable FY 2012 Costs | Post 9/11 Total Reimbursable Before Application of Ceiling | Post 9/11 Total Reimbursable After Application of Ceiling | NonReimb Over the Ceiling To Be Applied In FY 2013 |
|--|------------------------------|--|--|---|--|---|--|
| Great Plains Region | | | | | | | |
| Colorado/Big Thompson Project | | | | | | | |
| Green Mountain Dam & Powerplant | (9,884) | 0 | (9,884) | | (9,884) | (8,785) | (1,099) |
| Olympus Dam & Estes Powerplant | 69,517 | 0 | 69,517 | | 69,517 | 61,791 | 7,726 |
| Carter Lake Dams | 31,123 | 0 | 31,123 | | 31,123 | 27,664 | 3,459 |
| Flatiron Dam & Power Facilities | 102,723 | 0 | 102,723 | | 102,723 | 91,306 | 11,417 |
| Powerplant | 57,101 | 0 | 57,101 | | 57,101 | 50,754 | 6,347 |
| Pole Hill Canal | 32,306 | 0 | 32,306 | | 32,306 | 28,715 | 3,591 |
| Charles Hansen Canal | 32,306 | 0 | 32,306 | | 32,306 | 28,715 | 3,591 |
| Alva B. Adams Tunnel | 51,312 | 0 | 51,312 | | 51,312 | 45,609 | 5,703 |
| Plant | 40,000 | 0 | 40,000 | | 40,000 | 35,554 | 4,446 |
| Willow Creek Dam | 10,000 | 0 | 10,000 | | 10,000 | 8,889 | 1,111 |
| Willow Creek Pumping Plant | 20,000 | 0 | 20,000 | | 20,000 | 17,777 | 2,223 |
| Horsetooth | 34,089 | 0 | 34,089 | | 34,089 | 30,300 | 3,789 |
| Fryingpan/Arkansas Project | | | | | | | |
| Ruedi Dam - East Slope | (2,817) | 0 | (2,817) | | (2,817) | (2,504) | (313) |
| Ruedi Dam - West Slope | (5,327) | 0 | (5,327) | | (5,327) | (4,735) | (592) |
| Sugar Loaf Dam and Dike | 9,570 | 0 | 9,570 | | 9,570 | 8,506 | 1,064 |
| Mt. Elbert Forebay and Powerplant | (27,818) | 0 | (27,818) | | (27,818) | (24,724) | (3,092) |
| Twin Lakes Dam | 10,502 | 0 | 10,502 | | 10,502 | 9,335 | 1,167 |
| Kendrick | | | | | | | |
| Seminole Dam & Powerplant | 9,191 | 0 | 9,191 | | 9,191 | 8,169 | 1,022 |
| Milk River | | | | | | | |
| Fresno | 4,440 | 0 | 4,440 | | 4,440 | 3,947 | 493 |
| Lake Sherburne | 0 | 0 | 0 | | 0 | 0 | 0 |
| Nelson | 0 | 0 | 0 | | 0 | 0 | 0 |
| North Platte Project - Guernsey | | | | | | | |
| North Platte Project - Guernsey | 1,015 | 0 | 1,015 | | 1,015 | 902 | 113 |
| PSMBP - Boysen | | | | | | | |
| Boysen Dam & Powerplant | 1,612 | 0 | 1,612 | | 1,612 | 1,433 | 179 |
| PSMBP - Canyon Ferry | | | | | | | |
| Canyon Ferry Dam | 21,134 | 0 | 21,134 | | 21,134 | 18,785 | 2,349 |
| PSMBP - N Platte Area -Kortes/Glendo | | | | | | | |
| Kortes Dam & Powerplant | 945 | 0 | 945 | | 945 | 840 | 105 |
| Glendo | 710 | 0 | 710 | | 710 | 631 | 79 |
| PSMBP - Buffalo Bill Dam Modification | | | | | | | |
| Buffalo Bill Dam | 9,386 | 0 | 9,386 | | 9,386 | 8,343 | 1,043 |
| PSMBP - Yellowtail | | | | | | | |
| Yellowtail Dam Complex | 195,221 | 0 | 195,221 | | 195,221 | 173,523 | 21,698 |
| GP Total | 698,359 | 0 | 698,359 | 0 | 698,359 | 620,740 | 77,619 |
| RECLAMATION TOTAL | | | | | | | |
| | 21,802,493 | 1,108,167 | 22,908,660 | 231,125 | 23,139,785 | 20,567,903 | 2,571,882 |
| SUMMARY | | | | | | | |
| PN | 6,148,233 | 402,296 | 6,550,529 | 122,746 | 6,673,275 | 5,931,571 | 741,704 |
| MP | 7,369,154 | 234,870 | 7,604,024 | 0 | 7,604,024 | 6,758,871 | 845,153 |
| LC | 5,356,256 | 375,346 | 5,731,602 | 108,379 | 5,839,981 | 5,190,893 | 649,087 |
| UC | 2,230,491 | 93,655 | 2,324,146 | 0 | 2,324,146 | 2,065,828 | 258,318 |
| GP | 698,359 | 0 | 698,359 | 0 | 698,359 | 620,740 | 77,619 |

All dollar figures displayed are rounded to the nearest dollar.

APPENDIX D: RECLAMATION GUARDS AND PATROLS FIVE YEAR PLAN

| Region/ Project/ Facility | FY2013 | | | FY2014 | | | FY2015 | | | FY2016 | | | FY2017 | | |
|---|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|
| | Pre-9/11 | Post-9/11 | Total | Pre-9/11 | Post-9/11 | Total | Pre-9/11 | Post-9/11 | Total | Pre-9/11 | Post-9/11 | Total | Pre-9/11 | Post-9/11 | Total |
| Columbia Basin Project | | | | | | | | | | | | | | | |
| Grand Coulee | 550,000 | 6,375,000 | 6,925,000 | 570,000 | 6,566,250 | 7,136,250 | 588,000 | 6,763,238 | 7,351,238 | 605,000 | 6,968,135 | 7,571,135 | 605,000 | 7,175,119 | 7,780,119 |
| PN Region Total | 550,000 | 6,375,000 | 6,925,000 | 570,000 | 6,566,250 | 7,136,250 | 588,000 | 6,763,238 | 7,351,238 | 605,000 | 6,968,135 | 7,571,135 | 605,000 | 7,175,119 | 7,780,119 |
| Central Valley Project | | | | | | | | | | | | | | | |
| American River Division - Folsom | 0 | 5,088,338 | 5,088,338 | 0 | 5,280,486 | 5,280,486 | 0 | 5,466,414 | 5,466,414 | 0 | 5,621,489 | 5,621,489 | 0 | 5,778,540 | 5,778,540 |
| Shasta Division | 912,000 | 3,300,000 | 4,212,000 | 939,000 | 3,315,000 | 4,254,000 | 967,000 | 3,414,000 | 4,381,000 | 967,000 | 3,414,000 | 4,381,000 | 967,000 | 3,414,000 | 4,381,000 |
| Delta Division - Tracy Pumping Plant/Fish Collecting Facility | 0 | 227,000 | 227,000 | 0 | 234,000 | 234,000 | 0 | 241,000 | 241,000 | 0 | 248,000 | 248,000 | 0 | 255,000 | 255,000 |
| MP Region Total | 912,000 | 8,615,338 | 9,527,338 | 939,000 | 8,829,486 | 9,768,486 | 967,000 | 9,121,414 | 10,088,414 | 967,000 | 9,283,489 | 10,250,489 | 967,000 | 9,447,540 | 10,414,540 |
| Boulder Canyon Project | | | | | | | | | | | | | | | |
| Hoover | 3,008,000 | 4,200,000 | 7,208,000 | 3,144,000 | 4,410,000 | 7,554,000 | 3,285,000 | 4,630,500 | 7,915,500 | 3,433,000 | 4,862,000 | 8,295,000 | 3,588,000 | 5,105,000 | 8,693,000 |
| Parker-Davis Project | | | | | | | | | | | | | | | |
| Parker | 0 | 715,000 | 715,000 | 0 | 756,000 | 756,000 | 0 | 773,000 | 773,000 | 0 | 812,000 | 812,000 | 0 | 852,000 | 852,000 |
| Davis | 0 | 655,000 | 655,000 | 0 | 675,000 | 675,000 | 0 | 700,000 | 700,000 | 0 | 735,000 | 735,000 | 0 | 772,000 | 772,000 |
| LC Region Total | 3,008,000 | 5,570,000 | 8,578,000 | 3,144,000 | 5,841,000 | 8,985,000 | 3,285,000 | 6,103,500 | 9,388,500 | 3,433,000 | 6,409,000 | 9,842,000 | 3,588,000 | 6,729,000 | 10,317,000 |
| Colorado River Storage Project | | | | | | | | | | | | | | | |
| Glen Canyon | 0 | 1,487,645 | 1,487,645 | 0 | 1,724,589 | 1,724,589 | 0 | 1,775,000 | 1,775,000 | 0 | 1,829,616 | 1,829,616 | 0 | 1,829,616 | 1,829,616 |
| Flaming Gorge | 0 | 762,952 | 762,952 | 0 | 705,000 | 705,000 | 0 | 727,000 | 727,000 | 0 | 752,000 | 752,000 | 0 | 776,000 | 776,000 |
| Blue Mesa | 0 | 135,000 | 135,000 | 0 | 135,000 | 135,000 | 0 | 135,000 | 135,000 | 0 | 135,000 | 135,000 | 0 | 135,000 | 135,000 |
| UC Region Total | 0 | 2,385,597 | 2,385,597 | 0 | 2,564,589 | 2,564,589 | 0 | 2,637,000 | 2,637,000 | 0 | 2,716,616 | 2,716,616 | 0 | 2,740,616 | 2,740,616 |
| Pick-Sloan MB Program | | | | | | | | | | | | | | | |
| Boysen Unit, Boysen Dam & Powerplant | 0 | 8,000 | 8,000 | 0 | 8,000 | 8,000 | 0 | 9,000 | 9,000 | 0 | 9,000 | 9,000 | 0 | 9,000 | 9,000 |
| Buffalo Bill Dam Modification | 0 | 14,000 | 14,000 | 0 | 14,000 | 14,000 | 0 | 15,000 | 15,000 | 0 | 15,000 | 15,000 | 0 | 15,000 | 15,000 |
| Canyon Ferry Unit, Canyon Ferry Dam | 0 | 50,000 | 50,000 | 0 | 52,000 | 52,000 | 0 | 54,000 | 54,000 | 0 | 56,000 | 56,000 | 0 | 56,000 | 56,000 |
| North Platte Area | | | | | | | | | | | | | | | |
| Kortes Dam & Powerplant | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 |
| Glendo | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 |
| Yellowtail Unit, Yellowtail Dam Complex | 0 | 255,000 | 255,000 | 0 | 260,000 | 260,000 | 0 | 265,000 | 265,000 | 0 | 270,000 | 270,000 | 0 | 270,000 | 270,000 |
| Colorado/Big Thompson Project | | | | | | | | | | | | | | | |
| Green Mountain Dam & Powerplant | 0 | 60,000 | 60,000 | 0 | 62,000 | 62,000 | 0 | 64,000 | 64,000 | 0 | 66,000 | 66,000 | 0 | 68,000 | 68,000 |
| Olympus Dam & Estes Powerplant | 0 | 77,000 | 77,000 | 0 | 79,000 | 79,000 | 0 | 82,000 | 82,000 | 0 | 82,000 | 82,000 | 0 | 82,000 | 82,000 |
| Carter Lake Dams | 0 | 39,000 | 39,000 | 0 | 40,000 | 40,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 |
| Flatiron Dam & Power Facilities | 0 | 117,000 | 117,000 | 0 | 121,000 | 121,000 | 0 | 124,000 | 124,000 | 0 | 124,000 | 124,000 | 0 | 124,000 | 124,000 |
| Alva B. Adams Tunnel | 0 | 15,000 | 15,000 | 0 | 16,000 | 16,000 | 0 | 17,000 | 17,000 | 0 | 17,000 | 17,000 | 0 | 18,000 | 18,000 |
| Granby Dam, Dikes & Farr Pumping Plant | 0 | 42,000 | 42,000 | 0 | 43,000 | 43,000 | 0 | 45,000 | 45,000 | 0 | 45,000 | 45,000 | 0 | 45,000 | 45,000 |
| Willow Creek Dam | 0 | 22,000 | 22,000 | 0 | 23,000 | 23,000 | 0 | 23,000 | 23,000 | 0 | 23,000 | 23,000 | 0 | 23,000 | 23,000 |
| Willow Creek Pumping Plant | 0 | 10,000 | 10,000 | 0 | 10,000 | 10,000 | 0 | 11,000 | 11,000 | 0 | 11,000 | 11,000 | 0 | 11,000 | 11,000 |
| Horseshooh | 0 | 39,000 | 39,000 | 0 | 40,000 | 40,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 |
| Charles Hansen Canal | 0 | 39,000 | 39,000 | 0 | 40,000 | 40,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 | 0 | 41,000 | 41,000 |
| Rattlesnake Dam & Pole Hill | 0 | 77,000 | 77,000 | 0 | 79,000 | 79,000 | 0 | 82,000 | 82,000 | 0 | 82,000 | 82,000 | 0 | 82,000 | 82,000 |
| Pole Hill Canal | 0 | 39,000 | 39,000 | 0 | 40,000 | 40,000 | 0 | 42,000 | 42,000 | 0 | 42,000 | 42,000 | 0 | 42,000 | 42,000 |
| Fryingpan/Arkansas Project | | | | | | | | | | | | | | | |
| Sugar Loaf Dam and Dike | 0 | 18,000 | 18,000 | 0 | 19,000 | 19,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 21,000 | 21,000 |
| Mt. Elbert Forebay and Powerplant | 0 | 18,000 | 18,000 | 0 | 19,000 | 19,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 21,000 | 21,000 |
| Twin Lakes Dam | 0 | 18,000 | 18,000 | 0 | 19,000 | 19,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 21,000 | 21,000 |
| Ruedi | 0 | 53,000 | 53,000 | 0 | 55,000 | 55,000 | 0 | 57,000 | 57,000 | 0 | 58,000 | 58,000 | 0 | 60,000 | 60,000 |
| Kendrick | | | | | | | | | | | | | | | |
| Seminole Dam & Powerplant | 0 | 7,000 | 7,000 | 0 | 7,000 | 7,000 | 0 | 8,000 | 8,000 | 0 | 8,000 | 8,000 | 0 | 8,000 | 8,000 |
| Milk River | | | | | | | | | | | | | | | |
| Fresno Dam | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 8,000 | 6,000 |
| North Platte Project | | | | | | | | | | | | | | | |
| Guemsey Dam & Powerplant | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 |
| GP Region Total | 0 | 1,039,800 | 1,039,800 | 0 | 1,059,000 | 1,059,000 | 0 | 1,094,000 | 1,094,000 | 0 | 1,104,000 | 1,104,000 | 0 | 1,112,000 | 1,112,000 |
| RECLAMATION TOTAL | 4,470,000 | 23,975,935 | 28,445,935 | 4,653,000 | 24,860,325 | 29,513,325 | 4,840,000 | 25,719,152 | 30,659,152 | 5,005,000 | 26,479,240 | 31,484,240 | 5,160,000 | 27,204,275 | 32,364,275 |

APPENDIX E: RECLAMATION FORTIFICATION OPERATION AND MAINTENANCE FIVE YEAR PLAN

| Region/ Project/ Facility | FY13 | | | FY14 | | | FY15 | | | FY16 | | | FY17 | | |
|---|----------|----------------|----------------|----------|----------------|----------------|----------|----------------|----------------|----------|----------------|----------------|----------|----------------|----------------|
| | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M |
| Boise Area Projects | | | | | | | | | | | | | | | |
| Anderson Ranch | 0 | 6,000 | 6,000 | 0 | 6,100 | 6,100 | 0 | 6,200 | 6,200 | 0 | 6,200 | 6,200 | 0 | 6,200 | 6,200 |
| Arrowrock | 0 | 2,100 | 2,100 | 0 | 2,200 | 2,200 | 0 | 2,200 | 2,200 | 0 | 2,200 | 2,200 | 0 | 2,200 | 2,200 |
| Black Canyon | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 |
| Boise Diversion | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 |
| Cascade | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 | 0 | 2,100 | 2,100 |
| Deadwood | 0 | 2,300 | 2,300 | 0 | 2,400 | 2,400 | 0 | 2,400 | 2,400 | 0 | 2,400 | 2,400 | 0 | 2,400 | 2,400 |
| Deer Flat | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 | 0 | 2,000 | 2,000 |
| Columbia Basin Project | | | | | | | | | | | | | | | |
| Ephrata | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 | 0 | 3,000 | 3,000 |
| Grand Coulee | 0 | 370,000 | 370,000 | 0 | 381,100 | 381,100 | 0 | 392,533 | 392,533 | 0 | 404,309 | 404,309 | 0 | 416,438 | 416,438 |
| Crooked River Project | | | | | | | | | | | | | | | |
| Arthur R. Bowman | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 |
| Deschutes Project | | | | | | | | | | | | | | | |
| Wickiup | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 |
| Hungry Horse Project | | | | | | | | | | | | | | | |
| Wickiup | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 |
| Minidoka Area Projects | | | | | | | | | | | | | | | |
| American Falls | 0 | 1,800 | 1,800 | 0 | 1,900 | 1,900 | 0 | 1,900 | 1,900 | 0 | 1,900 | 1,900 | 0 | 1,900 | 1,900 |
| Island Park | 0 | 0 | 0 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 |
| Jackson Lake | 0 | 1,000 | 1,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 |
| Minidoka | 0 | 75,000 | 75,000 | 0 | 78,000 | 78,000 | 0 | 80,000 | 80,000 | 0 | 80,000 | 80,000 | 0 | 80,000 | 80,000 |
| Palisades | 0 | 33,000 | 33,000 | 0 | 34,000 | 34,000 | 0 | 35,000 | 35,000 | 0 | 35,000 | 35,000 | 0 | 35,000 | 35,000 |
| Ririe | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 |
| Tualatin Project | | | | | | | | | | | | | | | |
| Scoggins | 0 | 5,400 | 5,400 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 |
| Umatilla Project | | | | | | | | | | | | | | | |
| McKay | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 |
| Washington Area Projects | | | | | | | | | | | | | | | |
| Conconully | 0 | 0 | 0 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 | 0 | 5,800 | 5,800 |
| Yakima Project | | | | | | | | | | | | | | | |
| Storage Division | 0 | 14,000 | 14,000 | 0 | 16,000 | 16,000 | 0 | 16,000 | 16,000 | 0 | 16,000 | 16,000 | 0 | 16,000 | 16,000 |
| PN Region Total | 0 | 534,300 | 534,300 | 0 | 587,200 | 587,200 | 0 | 581,833 | 581,833 | 0 | 583,609 | 583,609 | 0 | 605,738 | 605,738 |
| Central Valley Project | | | | | | | | | | | | | | | |
| American River Division - Folsom | 0 | 600,000 | 600,000 | 0 | 600,000 | 600,000 | 0 | 600,000 | 600,000 | 0 | 600,000 | 600,000 | 0 | 600,000 | 600,000 |
| Shasta Division | 0 | 246,000 | 246,000 | 0 | 253,000 | 253,000 | 0 | 253,000 | 253,000 | 0 | 261,000 | 261,000 | 0 | 281,000 | 281,000 |
| Delta Division - Tracy Pumping Plant/Fish Collecting Facility | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 |
| Lahontan Basin Project | | | | | | | | | | | | | | | |
| MP Region Total | 0 | 861,000 | 861,000 | 0 | 868,000 | 868,000 | 0 | 868,000 | 868,000 | 0 | 876,000 | 876,000 | 0 | 876,000 | 876,000 |
| Boulder Canyon Project | | | | | | | | | | | | | | | |
| Hoover | 0 | 308,000 | 308,000 | 0 | 323,000 | 323,000 | 0 | 339,000 | 339,000 | 0 | 356,000 | 356,000 | 0 | 374,000 | 374,000 |
| Parker-Davis Project | | | | | | | | | | | | | | | |
| Parker | 0 | 51,000 | 51,000 | 0 | 66,000 | 66,000 | 0 | 76,000 | 76,000 | 0 | 80,000 | 80,000 | 0 | 84,000 | 84,000 |
| Davis | 0 | 55,000 | 55,000 | 0 | 63,000 | 63,000 | 0 | 68,000 | 68,000 | 0 | 69,000 | 69,000 | 0 | 73,000 | 73,000 |
| LC Region Total | 0 | 414,000 | 414,000 | 0 | 452,000 | 452,000 | 0 | 481,000 | 481,000 | 0 | 505,000 | 505,000 | 0 | 531,000 | 531,000 |
| Colorado River Storage Project | | | | | | | | | | | | | | | |
| Glen Canyon | 0 | 260,000 | 260,000 | 0 | 280,000 | 280,000 | 0 | 300,000 | 300,000 | 0 | 300,000 | 300,000 | 0 | 300,000 | 300,000 |
| Fleming Gorge | 0 | 33,000 | 33,000 | 0 | 37,000 | 37,000 | 0 | 40,000 | 40,000 | 0 | 40,000 | 40,000 | 0 | 40,000 | 40,000 |
| Blue Mesa | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 | 0 | 20,000 | 20,000 |
| Navajo | 0 | 56,000 | 56,000 | 0 | 58,000 | 58,000 | 0 | 58,000 | 58,000 | 0 | 58,000 | 58,000 | 0 | 58,000 | 58,000 |
| UC Region Total | 0 | 389,000 | 389,000 | 0 | 395,000 | 395,000 | 0 | 418,000 | 418,000 | 0 | 418,000 | 418,000 | 0 | 418,000 | 418,000 |

APPENDIX E: RECLAMATION FORTIFICATION OPERATION AND MAINTENANCE FIVE YEAR PLAN

| Region/ Project/ Facility | FY13 | | | FY14 | | | FY15 | | | FY16 | | | FY17 | | |
|--|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|
| | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M | Pre-9/11 | Post-9/11 | Total O&M |
| Pick-Sloan MB Program | | | | | | | | | | | | | | | |
| Canyon Ferry Unit, Canyon Ferry Dam | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 |
| North Platte Area | | | | | | | | | | | | | | | |
| Casper Control Center | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 |
| Fremont Canyon | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 |
| Yellowtail Unit, Yellowtail Dam Complex | | | | | | | | | | | | | | | |
| Colorado/Big Thompson Project | | | | | | | | | | | | | | | |
| Green Mountain Dam & Powerplant | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| Olympus Dam & Estes Powerplant | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| Flairon Dam & Power Facilities | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| ECAO Administration Building | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| Estes | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| Fryingpan/Arkansas Project | | | | | | | | | | | | | | | |
| Mt. Eibert Forebay and Powerplant | 0 | 5,000 | 5,000 | 0 | 5,000 | 5,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 | 0 | 6,000 | 6,000 |
| Kendrick | | | | | | | | | | | | | | | |
| Seminole Dam & Powerplant | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 |
| Alcova Dam & Powerplant | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 | 0 | 12,000 | 12,000 |
| North Platte Project | | | | | | | | | | | | | | | |
| Pathfinder Dam & Dike | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 | 0 | 1,000 | 1,000 |
| GP Region Total | 0 | 103,000 | 103,000 | 0 | 103,000 | 103,000 | 0 | 109,000 | 109,000 | 0 | 109,000 | 109,000 | 0 | 109,000 | 109,000 |
| RECLAMATION TOTAL | 0 | 2,281,300 | 2,281,300 | 0 | 2,385,200 | 2,385,200 | 0 | 2,457,833 | 2,457,833 | 0 | 2,501,609 | 2,501,609 | 0 | 2,539,738 | 2,539,738 |