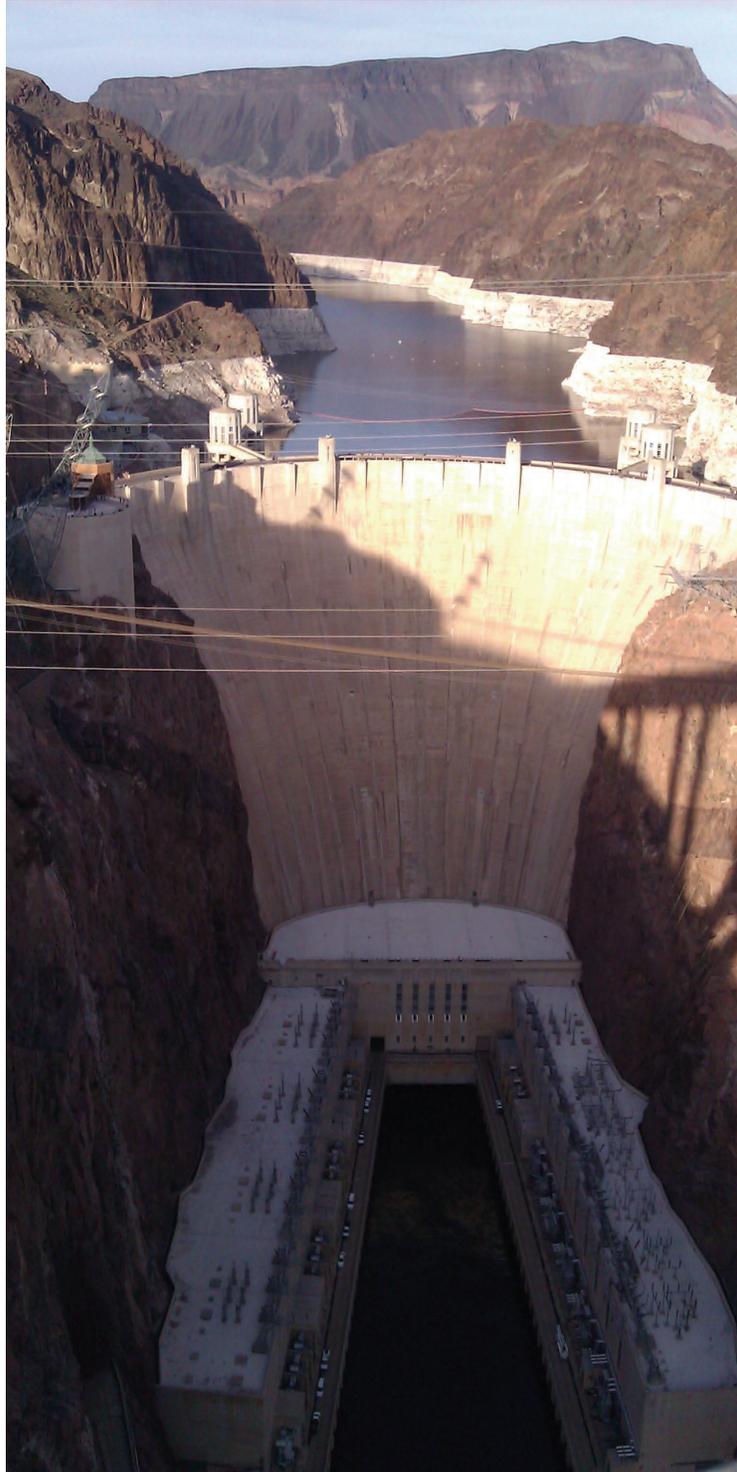


**BCP FY2012 Revised Final Ten Year Operating Plan Budget  
Summary, Proposed Budget, Office Summary Pages  
Post 9/11 Security  
and Fiscal Year FY10, FY11 and FY12 Comparisons**



## COMPARISON - FY2010 APPROVED VS. FY2010 ACTUALS

| DESCRIPTION                                       | FY 2010<br>FINAL APPROVED<br>(1) | FY 2010<br>ACTUALS<br>(2) | DIFFERENCE:<br>FY10<br>APPROVED VS.<br>FY10 ACTUALS<br>2 - 1 | PERCENT<br>OF<br>CHANGE |
|---|----------------------------------|---------------------------|--|-------------------------|
| Operations  | 5,812,000                        | 5,302,353                 | (509,647)  | -8.77%                  |
| Maintenance                                       | 12,453,000                       | 13,511,744                | 1,058,744  | 8.50%                   |
| Administrative & General Expense                  | 15,305,000                       | 17,014,876                | 1,709,876  | 11.17%                  |
| Extraordinary Maintenance<br>(force acct + contr) | 3,268,000                        | 3,502,160                 | 234,160  | 7.17%                   |
| <b>SUBTOTAL</b>                                   | <b>36,838,000</b>                | <b>39,331,133</b>         | <b>2,493,133</b>   | <b>6.77%</b>            |
| Visitor Services                                  | 9,148,000                        | 7,136,591                 | (2,011,409)  | -21.99%                 |
| <b>SUBTOTAL</b>                                   | <b>45,986,000</b>                | <b>46,467,724</b>         | <b>481,724</b>   | <b>1.05%</b>            |
| Replacements (force acct. + contr)                | 7,485,000                        | 6,161,066                 | (1,323,934)  | -17.69%                 |
| Conditional Funds                                 | 300,000                          | 300,000                   | 0  | 0.00%                   |
| <b>SUBTOTAL</b>                                   | <b>53,771,000</b>                | <b>52,928,790</b>         | <b>(842,210)</b>   | <b>-1.57%</b>           |
| Interest on Existing Debt                         | 10,938,000                       | 11,023,174                | 85,174   | 0.78%                   |
| Payment to States (in lieu of taxes)              | 600,000                          | 600,000                   | 0  | 0.00%                   |
| <b>TOTAL</b>                                      | <b>65,309,000</b>                | <b>64,551,964</b>         | <b>(757,036)</b>   | <b>-1.16%</b>           |

### BUREAU OF RECLAMATION

Operations: Decreased expenditures due to lower than anticipated costs for Salaries/Benefits/Overhead/Indirect Costs; SCADA and Services.

Maintenance: Increased expenditures due to higher than anticipated costs for Salaries/Benefits/Overhead and Unscheduled Necessary Work; Region/Denver/Other.

A&GE: Actual expenditures include the adjustment for Shared Costs.

Extraordinary Maintenance: Increased expenditures reflected due to reprogramming \$406,000 to increase available funds for PRV Overhauls, Penstock Coating and the 300-ton Powerhouse Crane.

Visitor Services: Actual Expenditures include the adjustment to Shared Costs.

Replacements: Decreased expenditures due to available funding remaining programmed for expenditure in early FY11 to include UCM, 16.5kV Generator Breakers, Wicketgate Bushings/Wear Plates, hand Held & Police Vehicle Radio Replacement, CO2 Squibs and Elevator Motor & Controller Replacement.

## RECLAMATION FY2011 FINAL BUDGET VS. FY2012 REVISED FINAL BUDGET

| DESCRIPTION                                       | FY 2011<br>FINAL<br>DATED 02/2010<br>(1) | FY 2012<br>REVISED FINAL<br>DATED 03/2011<br>(2) | DIFFERENCE:<br>FINAL FY11 VS.<br>REVISED FY12<br>FINAL (2) -<br>(1) | PERCENT<br>OF<br>CHANGE |
|---|--|--|---|-------------------------|
| Operations  | 5,919,000                                | 5,818,000  | (101,000)   | -1.71%                  |
| Maintenance                                       | 14,236,000                               | 16,506,000                                       | 2,270,000   | 15.95%                  |
| Administrative & General Expense                  | 14,704,000                               | 16,226,000                                       | 1,522,000   | 10.35%                  |
| Extraordinary Maintenance<br>(force acct + contr) | 4,262,000                                | 5,508,000  | 1,246,000   | 29.24%                  |
| <b>SUBTOTAL</b>                                   | <b>39,121,000</b>                        | <b>44,058,000</b>                                | <b>4,937,000</b>  | <b>12.62%</b>           |
| Visitor Services                                  | 9,173,000                                | 8,895,000  | (278,000)   | -3.03%                  |
| <b>SUBTOTAL</b>                                   | <b>48,294,000</b>                        | <b>52,953,000</b>                                | <b>4,659,000</b>  | <b>9.65%</b>            |
| Replacements (force acct. + contr)                | 9,533,000                                | 12,119,000                                       | 2,586,000   | 27.13%                  |
| Conditional Funds                                 | 300,000                                  | 300,000  | 0   | 0.00%                   |
| <b>SUBTOTAL</b>                                   | <b>58,127,000</b>                        | <b>65,372,000</b>                                | <b>7,245,000</b>  | <b>12.46%</b>           |
| Interest on Existing Debt                         | 10,883,000                               | 10,923,000                                       | 40,000  | 0.37%                   |
| Payment to States (in lieu of taxes)              | 600,000                                  | 600,000  | 0   | 0.00%                   |
| <b>TOTAL</b>                                      | <b>69,610,000</b>                        | <b>76,895,000</b>                                | <b>7,285,000</b>  | <b>10.47%</b>           |

### BUREAU OF RECLAMATION

Operations: Decrease in Salary/Benefits/Overhead projections, which follow actual historical averages of 5-year trend analyses. averages of 5-year trend analyses. See pages 5-6 of BCP Handout.

Maintenance: Increase in Salaries/Benefits/Overhead projections, which follow actual historical averages of 5-year trend analyses. See pages 7-8 of BCP Handout.

A&GE: Increase in Salaries/Benefits/Overhead projections, which follow actual historical averages of 5-year trend analyses. See pages 9-11 of BCP Handout.

Extraordinary Maintenance: Increase in contract work for PRV Overhauls of \$940,000 and Penstock Coating contract at \$1,040,000. See page 12-13 of BCP Handout.

Visitor Services: Decrease due to Salaries/Benefits/Overhead projections, which follow actual historical averages of 5-year trend analyses. See pages 19-20 of BCP Handout.

Replacements: Increased estimates due to A2, A4 & A7 PRV Modernization activity \$400,000; Unit A8 Wide Head Turbine \$2,830,000; Larus 5702 Microwave/Fiber Optic Swithces Replacement \$160,000; Unit Station Service Transfer Bus Breaker \$1,200,000; PRV Modernization \$596,000; Wide Head Range Turbine \$755,000; Chiller & Control System Replacement \$560,000; partially offset by decreased estimates for Stainless Steel WicketGate Replacement (\$536,000); completion of Microwave Telemetry System Upgrade, (\$122,000); completion of Deltec UPS Equipment Replacement \$670,000; completion of Drumgate Seal Replacements \$1,700,000; completion of Microwave Radio Replacement \$460,000; completion of Hand Held & Police Vehicle Radio Replacement \$65,000. See pages 14-18 in BCP Handout.

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
BUDGET SUMMARY**

| DESCRIPTION                                | Revised      |              |              |              |              |              |              |              |              |              |              |              |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|  | 2011         | 2012         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         |
| 1 Bureau Of Reclamation (BOR)              |              |              |              |              |              |              |              |              |              |              |              |              |
| 2 BOR Proposed Budget                      | 69,610,000   | 77,295,000   | 76,895,000   | 76,602,000   | 76,276,000   | 80,107,000   | 80,873,000   | 80,647,000   | 81,888,000   | 78,193,000   | 76,010,000   | 78,014,000   |
| 3 BOR Visitor Services Revenues            | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) | (12,000,000) |
| 4 BOR Water Revenues                       | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    | (530,000)    |
| 5 Sub-Total BOR Non-Power Revenues         | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) | (12,530,000) |
| 6 Total - BOR Budget                       | 57,080,000   | 64,765,000   | 64,365,000   | 64,072,000   | 63,746,000   | 67,577,000   | 68,343,000   | 68,117,000   | 69,358,000   | 65,663,000   | 63,480,000   | 65,484,000   |
| 7 Western Area Power Administrative (WAPA) |              |              |              |              |              |              |              |              |              |              |              |              |
| 8 WAPA Proposed Budget                     | 23,428,000   | 24,342,000   | 24,342,000   | 23,587,000   | 23,880,000   | 24,096,000   | 24,525,000   | 18,246,000   | 9,315,000    | 9,597,000    | 9,905,000    | 10,227,000   |
| 9 WAPA Non-Power Revenues [1]              | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  | (1,171,000)  |
| 10 Total - WAPA Budget                     | 22,257,000   | 23,171,000   | 23,171,000   | 22,416,000   | 22,709,000   | 22,925,000   | 23,354,000   | 17,075,000   | 8,144,000    | 8,426,000    | 8,734,000    | 9,056,000    |
| 11 BOR & WAPA Summary                      |              |              |              |              |              |              |              |              |              |              |              |              |
| 12 BOR + WAPA Budget                       | 93,038,000   | 101,637,000  | 101,237,000  | 100,189,000  | 100,156,000  | 104,203,000  | 105,398,000  | 98,893,000   | 91,203,000   | 87,790,000   | 85,915,000   | 88,241,000   |
| 13 BOR & WAPA Non-Power Revenue            | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) | (13,701,000) |
| 14 Total Proposed Power-Funded Budgets     | 79,337,000   | 87,936,000   | 87,536,000   | 86,488,000   | 86,455,000   | 90,502,000   | 91,697,000   | 85,192,000   | 77,502,000   | 74,089,000   | 72,214,000   | 74,540,000   |
| 15 Replenish/Collect Working Capital Fund  | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
| 16 Total (includes Security) [2]           | 79,337,000   | 87,936,000   | 87,536,000   | 86,488,000   | 86,455,000   | 90,502,000   | 91,697,000   | 85,192,000   | 77,502,000   | 74,089,000   | 72,214,000   | 74,540,000   |

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
PROPOSED BUDGET**

| DESCRIPTION                                   | Revised 2012 |             |             |             |             |             |             |            |            |            |            |            |
|---|--------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|
|   | 2011         | 2012        | 2013        | 2014        | 2015        | 2016        | 2017        | 2018       | 2019       | 2020       | 2021       |            |
| <b>Bureau of Reclamation</b>                  |              |             |             |             |             |             |             |            |            |            |            |            |
| 1 Operations                                  | 5,919,000    | 5,818,000   | 5,818,000   | 5,977,000   | 6,140,000   | 6,307,000   | 6,480,000   | 6,657,000  | 6,939,000  | 6,939,000  | 6,939,000  | 7,131,000  |
| 2 Maintenance                                 | 14,236,000   | 16,506,000  | 16,506,000  | 16,566,000  | 16,984,000  | 17,512,000  | 18,163,000  | 19,015,000 | 20,277,000 | 20,277,000 | 21,146,000 | 20,943,000 |
| 3 Administrative & General Expense            | 14,704,000   | 16,525,000  | 16,226,000  | 16,858,000  | 17,018,000  | 17,701,000  | 18,277,000  | 18,956,000 | 20,137,000 | 20,137,000 | 20,776,000 | 21,373,000 |
| 4 Extraord. Maint. (force acct.+contr) [1]    | 4,262,000    | 5,508,000   | 5,508,000   | 6,594,000   | 6,548,000   | 7,023,000   | 5,505,000   | 5,092,000  | 3,157,000  | 3,157,000  | 3,164,000  | 3,169,000  |
| 5 Subtotal                                    | 39,121,000   | 44,357,000  | 44,058,000  | 45,995,000  | 46,690,000  | 48,543,000  | 48,425,000  | 49,720,000 | 50,510,000 | 50,510,000 | 52,025,000 | 52,616,000 |
| 6 Visitor Services                            | 9,173,000    | 8,996,000   | 8,895,000   | 9,163,000   | 9,439,000   | 9,723,000   | 10,015,000  | 10,316,000 | 10,944,000 | 10,944,000 | 11,273,000 | 11,611,000 |
| 7 Subtotal                                    | 48,294,000   | 53,353,000  | 52,953,000  | 55,158,000  | 56,129,000  | 58,266,000  | 58,440,000  | 60,036,000 | 61,454,000 | 61,454,000 | 63,298,000 | 64,227,000 |
| 8 Replacements (force acct. + contr) [1]      | 9,533,000    | 12,119,000  | 12,119,000  | 9,679,000   | 8,439,000   | 10,194,000  | 10,850,000  | 9,095,000  | 5,484,000  | 5,484,000  | 1,660,000  | 2,951,000  |
| 9 Conditional Funds                           | 300,000      | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000     | 300,000    | 300,000    | 300,000    | 300,000    | 300,000    |
| 10 Subtotal Working Budget                    | 58,127,000   | 65,772,000  | 65,372,000  | 65,137,000  | 64,868,000  | 68,760,000  | 69,590,000  | 69,431,000 | 67,238,000 | 67,238,000 | 65,258,000 | 67,478,000 |
| 11 Interest on Existing Debt                  | 10,883,000   | 10,923,000  | 10,923,000  | 10,865,000  | 10,808,000  | 10,747,000  | 10,683,000  | 10,616,000 | 10,355,000 | 10,355,000 | 10,152,000 | 9,936,000  |
| 12 Payment to States (in lieu of taxes)       | 600,000      | 600,000     | 600,000     | 600,000     | 600,000     | 600,000     | 600,000     | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    |
| 13 Total - BOR Proposed Budget                | 69,610,000   | 77,295,000  | 76,895,000  | 76,602,000  | 76,276,000  | 80,107,000  | 80,873,000  | 80,647,000 | 78,193,000 | 78,193,000 | 76,010,000 | 78,014,000 |
| 14 Facility Expenses                          | 1,536,000    | 1,951,000   | 1,951,000   | 2,009,000   | 2,070,000   | 2,132,000   | 2,196,000   | 2,262,000  | 2,399,000  | 2,399,000  | 2,471,000  | 2,545,000  |
| 15 Systemwide Expenses                        | 2,351,000    | 2,546,000   | 2,546,000   | 2,597,000   | 2,664,000   | 2,732,000   | 2,797,000   | 2,869,000  | 3,009,000  | 3,009,000  | 3,089,000  | 3,170,000  |
| 16 Replacements                               | 441,000      | 1,198,000   | 1,198,000   | 325,000     | 400,000     | 400,000     | 400,000     | 400,000    | 400,000    | 400,000    | 400,000    | 400,000    |
| 17 Subtotal WAPA                              | 4,328,000    | 5,695,000   | 5,695,000   | 4,931,000   | 5,134,000   | 5,264,000   | 5,393,000   | 5,531,000  | 5,808,000  | 5,808,000  | 5,960,000  | 6,115,000  |
| 18 CSRS&FFERS Retirement/Health&Life Benefits | 2,003,000    | 1,596,000   | 1,596,000   | 1,612,000   | 1,628,000   | 1,644,000   | 1,660,000   | 1,677,000  | 1,711,000  | 1,711,000  | 1,728,000  | 1,745,000  |
| 19 Other Interest                             | 23,000       | 23,000      | 23,000      | 23,000      | 23,000      | 23,000      | 23,000      | 23,000     | 23,000     | 23,000     | 23,000     | 23,000     |
| 20 Debt Service Principal Payments            | 1,948,000    | 1,925,000   | 1,925,000   | 1,907,000   | 2,015,000   | 2,130,000   | 2,253,000   | 2,384,000  | 2,055,000  | 2,055,000  | 2,194,000  | 2,344,000  |
| 21 Upgrading Credit Payments [2]              | 15,126,000   | 15,103,000  | 15,103,000  | 15,114,000  | 15,080,000  | 15,035,000  | 15,196,000  | 8,631,000  | 0          | 0          | 0          | 0          |
| 22 Total - WAPA Proposed Budget               | 23,428,000   | 24,342,000  | 24,342,000  | 23,587,000  | 23,880,000  | 24,096,000  | 24,525,000  | 18,246,000 | 9,597,000  | 9,597,000  | 9,905,000  | 10,227,000 |
| 23 TOTAL                                      | 93,038,000   | 101,637,000 | 101,237,000 | 100,189,000 | 100,156,000 | 104,203,000 | 105,398,000 | 98,893,000 | 87,790,000 | 87,790,000 | 85,915,000 | 88,241,000 |

[1] These activities are accomplished using force account (internal labor) and contracts. You will note on the following pages that force account labor is backed out of Maintenance and/or A&CE (force account adjustment) to avoid double counting.

[2] The significant decrease in Upgrading Credit Payments from FY 2016 (\$15,196,000) to FY 2017 (\$8,631,000) is due to APA's Bond Reserve funds being liquidated due to Bonds' expiration.

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
OPERATIONS BUDGET SUMMARY**

| DESCRIPTION                     | 2011             | 2012             | 2013             | 2014             | 2015             | 2016             | 2017             | 2018             | 2019             | 2020             | 2021             |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1 Salaries [1] 25 FTE           | 4,459,000        | 4,368,000        | 4,499,000        | 4,634,000        | 4,773,000        | 4,916,000        | 5,063,000        | 5,125,000        | 5,279,000        | 5,437,000        | 5,600,000        |
| 2 Water Scheduling [2]          | 576,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          | 530,000          |
| 3 Materials/Services/Other [3]  | 584,000          | 485,000          | 500,000          | 515,000          | 530,000          | 546,000          | 562,000          | 579,000          | 596,000          | 614,000          | 632,000          |
| 4 Relocation                    | 100,000          | 75,000           | 77,000           | 79,000           | 81,000           | 83,000           | 85,000           | 88,000           | 91,000           | 94,000           | 97,000           |
| Region/Denver                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| 5 /Other Offices [4]            | 200,000          | 360,000          | 371,000          | 382,000          | 393,000          | 405,000          | 417,000          | 430,000          | 443,000          | 456,000          | 470,000          |
| <b>6 Total-Operations/SCADA</b> | <b>5,919,000</b> | <b>5,818,000</b> | <b>5,977,000</b> | <b>6,140,000</b> | <b>6,307,000</b> | <b>6,480,000</b> | <b>6,657,000</b> | <b>6,752,000</b> | <b>6,939,000</b> | <b>7,131,000</b> | <b>7,329,000</b> |

All years include indexing of 3% GS and 5% BB.

|  | <u>FY 2011</u>   | <u>FY 2012</u>   |
|--|------------------|------------------|
| [1]  |                  |                  |
| Salary                                     | 2,691,000        | 2,619,000        |
| Benefits (FY11 28.0%, FY12 28.0%)          | 753,000          | 733,000          |
| Regional Overhead (FY11 24.5%, FY12 24.5%) | 844,000          | 821,000          |
| Overtime                                   | 135,000          | 155,000          |
| Awards                                     | <u>36,000</u>    | <u>40,000</u>    |
| <b>Total</b>                               | <b>4,459,000</b> | <b>4,368,000</b> |

Adjustments in Salaries, Benefits and Regional Overhead in FY 2012 are due to changes in benefits, overhead, Operations 24-hour shift differentials and Bargaining Board pay raise (effective October 2010).

The budgeting process for FY 2012 follows actual expenditures averages of 5-year trend analyses.

- [2] Water Scheduling includes Boulder Canyon Project's 35% allocation of the Region's Water Scheduling related charges. In addition to general water scheduling activities (day-to-day activities regarding releases from Parker, Davis & Hoover; monthly and annual activities associated with water orders and adjustments, reports, etc.), the water scheduling account includes:
- 75% of charges from general river management activities (forecasting and management; 24-month study, annual operating plan, long range operations criteria and five year review);
  - 60% of field office activities (currently performed by the Blythe Office, and including materials and supplies, rent, utilities, etc.).

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
OPERATIONS BUDGET SUMMARY**

The total Water Scheduling account is allocated according to water diversions, (shown below).  
Water Diversions:

1. Hoover Dam (35%) = Nevada, IID & CVWD (Boulder Canyon Project authorize Hoover and Imperial Dam construction and All-American Canal construction. The Act states that water deliveries to Imperial and Cochella Valleys would be at no cost).
2. Yuma Area Office (43%) = Arizona, California, Mexico minus CAP, MWD, IID & CVWD
3. Parker Dam (10%) = MWD diversion
4. Phoenix Area Office (12%) = CAP diversion

|                               | <u>FY2011</u> | <u>FY2012</u>  |
|-------------------------------|---------------|----------------|
| [3] Materials/Services/Other: |               |                |
| Miscellaneous Charges         | 1,000         | 12,000         |
| Training                      | 11,000        | 35,000         |
| Travel                        | 20,000        | 35,000         |
| Services                      | 481,000       | 219,000        |
| Materials and Supplies        | 15,000        | 35,000         |
| Equipment                     | <u>56,000</u> | <u>149,000</u> |
|                               | 584,000       | 485,000        |

[3] Significant decrease in Services due to SCADA Services Whittemore contract completion.

[4] Direct charges in support of various project activities. These charges are not part of the Region's overhead charge.

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
MAINTENANCE BUDGET SUMMARY**

| Description  | 2011              | 2012              | 2013              | 2014              | 2015              | 2016              | 2017              | 2018              | 2019              | 2020              | 2021              |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1 Salaries [1] 79 FTE  | 10,477,000        | 11,456,000        | 11,800,000        | 12,154,000        | 12,519,000        | 12,895,000        | 13,282,000        | 13,680,000        | 14,090,000        | 14,513,000        | 14,948,000        |
| 2 Force Account Labor Adjustment [2]                           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 3 Wicketgate - Stainless                                       | (20,000)          | (40,000)          |                   | (43,000)          |                   |                   |                   |                   |                   |                   |                   |
| 4 Wicketgate Bushings/Wearplates                               | (52,000)          | (54,000)          | (58,000)          |                   |                   |                   |                   |                   |                   |                   |                   |
| 5 Air Compressors Purchase/Overhaul                            |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 6 Replace CO2 Squibs   |                   |                   |                   |                   |                   | (35,000)          |                   | (40,000)          |                   |                   | (40,000)          |
| 7 Elevator Motor and Controller Replacement                    |                   |                   |                   |                   |                   |                   | (50,000)          |                   |                   |                   |                   |
| 8 Replace Waste Water Treatment Facility                       |                   |                   |                   |                   |                   |                   |                   | (20,000)          |                   |                   |                   |
| 9 Drum Gate Hinge Pins Replacement                             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 10 Drum Gate Seal Replacement                                  | (70,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 11 2300 V Conduit and Power Cable                              |                   |                   |                   | (10,000)          |                   |                   |                   |                   |                   |                   |                   |
| 12 Station Service Pelton Turbine Replacement                  |                   | (20,000)          | (80,000)          |                   |                   |                   |                   |                   |                   |                   |                   |
| 13 Unit A8 Wide-head Turbine                                   |                   | (20,000)          | (20,000)          |                   |                   |                   |                   |                   |                   |                   |                   |
| 14 Electric Panel Replacement                                  |                   |                   | (100,000)         | (100,000)         |                   |                   |                   |                   |                   |                   |                   |
| 15 Replace 2300 Volt Switchgear                                |                   |                   |                   | (30,000)          | (100,000)         |                   |                   |                   |                   |                   |                   |
| 16 Replace Rubber Butterfly Valve Seals                        |                   |                   |                   |                   | (50,000)          |                   |                   |                   |                   |                   |                   |
| 17 Replace Butterfly Valve Pumps/Bearings                      |                   |                   |                   |                   | (170,000)         |                   |                   |                   |                   |                   |                   |
| 18 Wide-Head Range Turbine                                     |                   | (40,000)          | (20,000)          | (260,000)         | (170,000)         | (170,000)         |                   |                   |                   |                   |                   |
| 19 Unit Station Service Transfer Bus Breaker                   | (20,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 20 Replace Deltec UPS Equipment                                | (150,000)         |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 21 Microwave Radio Replacement                                 | (45,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 22 Elevator Compensating Ropes Replacement                     | (20,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 23 PRV Overhauls   | (10,000)          | (28,000)          | (28,000)          | (29,000)          | (30,000)          | (15,000)          |                   |                   |                   |                   |                   |
| 24 PRV Modernization   | (10,000)          | (22,000)          | (24,000)          | (25,000)          | (26,000)          | (14,000)          |                   |                   |                   |                   |                   |
| 25 Penstock & Penstock Lateral Exterior Spot Coating           | (10,000)          | (15,000)          | (15,000)          |                   |                   |                   |                   |                   |                   |                   |                   |
| 26 Recoat Spillway Drum Gates                                  |                   |                   |                   | (30,000)          | (30,000)          | (30,000)          |                   |                   |                   |                   |                   |
| 27 Spot Coat Cableway Head & Tail Towers                       | (20,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 28 Paradox Valve Repairs                                       | (90,000)          |                   |                   |                   | (90,000)          |                   |                   |                   |                   |                   |                   |
| 29 Extraordinary Generator Maintenance                         |                   |                   |                   | (25,000)          | (65,000)          | (70,000)          | (75,000)          |                   |                   | (83,000)          | (85,000)          |
| 30 Crane Inspection & Repair (300-Ton Powerhouse Crane Repair) | (80,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 31 Replace & Rebuild Generator Coolers                         | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           | (1,000)           |
| 32 Purchase Turbine Seal Rings                                 | (3,000)           | (3,000)           | (3,000)           | (3,000)           | (3,000)           |                   |                   |                   |                   |                   |                   |
| 33 Hand-held & Police Vehicle Radio Replacement                | (5,000)           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 34 Control Center HVAC   | (10,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 35 Repair Penstock Anchor Points                               | (10,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 36 Turbine Shift Ring Refurbishment                            | (4,000)           | (4,000)           | (4,000)           | (4,000)           |                   |                   |                   |                   |                   |                   |                   |
| 37 Turbine Pit Area Machining                                  | (20,000)          | (20,000)          | (20,000)          | (20,000)          |                   |                   |                   |                   |                   |                   |                   |
| 38 Warehouse Indoor Crane                                      | (5,000)           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 39 LARUS 5702 Microwave Fiber Optic Repl.                      |                   | (25,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 40 VC Chiller & Controller System Replacement                  |                   | (20,000)          |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 41 A2, A4 & A7 PRV Modernization                               |                   |                   |                   | (15,000)          |                   |                   |                   |                   | (5,000)           |                   | (5,000)           |
| 42 Drum Gate Drain Hose Replacement                            |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 43 Escalator Replacement                                       |                   |                   |                   |                   | (15,000)          |                   |                   |                   |                   |                   |                   |
| 44 Hoover Unit 16.5KV Generator Breaker Repl.                  |                   |                   | (10,000)          | (10,000)          |                   | (50,000)          | (50,000)          | (50,000)          | (50,000)          |                   |                   |
| 45 Materials/Services/Other [3]                                | 2,742,000         | 3,215,000         | 3,311,000         | 3,410,000         | 3,512,000         | 3,617,000         | 3,726,000         | 3,838,000         | 3,953,000         | 4,072,000         | 4,194,000         |
| 46 Region/Denver/Other Offices [4]                             | 500,000           | 500,000           | 515,000           | 530,000           | 546,000           | 562,000           | 579,000           | 596,000           | 614,000           | 632,000           | 651,000           |
| 47 Relocation  | 100,000           | 100,000           | 103,000           | 106,000           | 109,000           | 112,000           | 115,000           | 118,000           | 122,000           | 126,000           | 130,000           |
| 48 Unscheduled Necessary Work                                  | 250,000           | 500,000           | 515,000           | 530,000           | 546,000           | 562,000           | 579,000           | 596,000           | 614,000           | 632,000           | 651,000           |
| 49 Rockfall Prevention   |                   | 250,000           |                   |                   |                   |                   |                   |                   |                   |                   |                   |
| 50 16.5 KV Generator Breaker Maintenance                       | 72,000            | 137,000           | 145,000           | 154,000           |                   |                   |                   |                   |                   |                   |                   |
| 51 Quagga Mussel Management                                    | 750,000           | 760,000           | 780,000           | 820,000           | 860,000           | 900,000           | 940,000           | 980,000           | 1,020,000         | 1,260,000         | 500,000           |
| <b>Total - Maintenance</b>                                     | <b>14,236,000</b> | <b>16,506,000</b> | <b>16,566,000</b> | <b>16,984,000</b> | <b>17,512,000</b> | <b>18,163,000</b> | <b>19,015,000</b> | <b>19,622,000</b> | <b>20,277,000</b> | <b>21,146,000</b> | <b>20,943,000</b> |

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
MAINTENANCE BUDGET SUMMARY**

All years include indexing of 3% GS and 5% BB.

|  | FY2011            | FY2012            |
|--|-------------------|-------------------|
| [1] Salary                                 | 6,108,000         | 6,762,000         |
| Benefits (FY11 28.0%, FY12 28.0 %)         | 1,710,000         | 1,893,000         |
| Regional Overhead (FY11 24.5%, FY12 24.5%) | 1,915,000         | 2,121,000         |
| Overtime                                   | 658,000           | 600,000           |
| Awards                                     | 86,000            | 80,000            |
| <b>Total</b>                               | <u>10,477,000</u> | <u>11,456,000</u> |

The budgeting process for FY 2012 follows actual expenditures averages of 5-year trend analyses.

Increase in salaries, benefits and regional overhead due to the Bargaining Board pay raise, effective October 2010, and most recent schedule for benefits/overhead.

[2] Maintenance Office charges in support of Replacement or Extraordinary Maintenance line items (\$412K).

|                               | FY2011         | FY2012         |
|-------------------------------|----------------|----------------|
| [3] Materials/Services/Other: |                |                |
| Miscellaneous Charges         | 79,000         | 125,000        |
| Training                      | 42,000         | 40,000         |
| Travel                        | 37,000         | 50,000         |
| Services                      | 1,296,000      | 1,500,000      |
| Materials and Supplies        | 728,000        | 1,000,000      |
| Equipment                     | <u>560,000</u> | <u>500,000</u> |
|                               | 2,742,000      | 3,215,000      |

[4] Direct charges in support of various project activities. These charges are not part of the Region's overhead charge.

FY2012

**BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
ADMINISTRATIVE AND GENERAL EXPENSE  
BUDGET SUMMARY**

(Area Manager, Compliance Reg., Engineering/Planning, Mgmt. Svc, Security and Law Enforcement)

| DESCRIPTION   | Revised    |            |            |            |            |            |            |            |            |            |            |            |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|   | 2011       | 2012       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       |
| 1 Salaries [1] 109 FTE  | 8,747,000  | 10,546,000 | 10,546,000 | 10,862,000 | 11,188,000 | 11,524,000 | 11,870,000 | 12,226,000 | 12,593,000 | 12,971,000 | 13,360,000 | 13,761,000 |
| 2 Post 9/11 Labor [2]   | 1,365,000  | 1,400,000  | 1,400,000  | 1,442,000  | 1,485,000  | 1,530,000  | 1,576,000  | 1,623,000  | 1,672,000  | 1,722,000  | 1,774,000  | 1,827,000  |
| 3 Subtotal Salaries   | 10,112,000 | 11,946,000 | 11,946,000 | 12,304,000 | 12,673,000 | 13,054,000 | 13,446,000 | 13,849,000 | 14,265,000 | 14,693,000 | 15,134,000 | 15,588,000 |
| 4 Force Account Labor Adjustment [3]                            |            |            |            |            |            |            |            |            |            |            |            |            |
| 5 Rebuild/Replace Generator Coolers                             | (4,000)    | (4,000)    | (4,000)    | (4,000)    | (4,000)    | (4,000)    | (5,000)    | (5,000)    | (5,000)    | (5,000)    | (5,000)    | (5,000)    |
| 6 Wicketgate Stainless Steel Replacement                        | (40,000)   | (10,000)   | (10,000)   | (30,000)   | (10,000)   |            |            |            |            |            |            |            |
| 7 Purchase and Replace Worn Wicketgate Bushings and Wear Plates | (20,000)   | (22,000)   | (22,000)   | (22,000)   |            |            |            |            |            |            |            |            |
| 8 Purchase Turbine Seal Rings                                   | (7,000)    | (8,000)    | (8,000)    | (8,000)    | (9,000)    | (9,000)    |            |            |            |            |            |            |
| 9 Air Compressors Purchase/Overhaul                             |            |            |            |            |            |            |            |            |            |            |            |            |
| 10 Replace CO2 Squibs   |            |            |            |            |            |            |            |            |            |            |            |            |
| 11 Elevator Motor and Controller Replacement                    |            |            |            |            | (5,000)    |            | (5,000)    |            | (10,000)   |            |            | (10,000)   |
| 12 Replace Waste Water Treatment Facility                       |            |            |            |            |            |            | (25,000)   | (50,000)   |            |            |            |            |
| 13 Drum Gate Hinge Pins Replacement                             |            |            |            |            |            |            |            |            | (30,000)   |            |            |            |
| 14 Drum Gate Seal Replacement                                   | (30,000)   |            |            |            |            |            |            |            |            |            |            |            |
| 15 2300 V. Conduit & Power Cable                                |            |            |            |            | (20,000)   |            |            |            |            |            |            |            |
| 16 Station Service Pelton Turbine Repl.                         | (30,000)   | (80,000)   | (80,000)   | (20,000)   |            |            |            |            |            |            |            |            |
| 17 Electric Panel Replacement                                   |            |            |            | (30,000)   | (35,000)   |            | (100,000)  |            |            |            |            |            |
| 18 Replace 2300 Volt Switchgear                                 |            |            |            |            | (120,000)  |            |            |            |            |            |            |            |
| 19 Replace Rubber Butterfly Valve Seals                         |            |            |            |            |            |            |            |            |            |            |            |            |
| 20 Wide-Head Range Turbine                                      | (20,000)   | (20,000)   | (20,000)   | (20,000)   | (40,000)   | (30,000)   | (30,000)   |            |            |            |            |            |
| 21 Unit A8 Wide Head Turbine                                    | (20,000)   | (10,000)   | (10,000)   | (30,000)   |            |            |            |            |            |            |            |            |
| 22 Unit Station Service Transfer Bus Breaker                    | (30,000)   | (30,000)   | (30,000)   | (60,000)   |            |            |            |            |            |            |            |            |
| 23 Hoover Unit 16.5 KV Generator Breaker Repl.                  |            |            |            | (40,000)   | (30,000)   |            | (50,000)   | (50,000)   |            |            |            |            |
| 24 Microwave Radio Replacement                                  | (5,000)    |            |            |            |            |            |            |            |            |            |            |            |
| 25 Hand Held & Police Vehicle Radio Repl.                       |            |            |            |            |            |            |            |            |            |            |            |            |
| 26 PRV Overhauls  | (14,000)   | (38,000)   | (38,000)   | (40,000)   | (41,000)   | (42,000)   | (22,000)   |            |            |            |            |            |
| 27 PRV Modernization  | (6,000)    | (12,000)   | (12,000)   | (12,000)   | (13,000)   | (14,000)   | (7,000)    |            |            |            |            |            |
| 28 Penstock & Penstock Lateral Exterior Spot Coating            | (20,000)   | (25,000)   | (25,000)   | (25,000)   |            |            |            |            |            |            |            |            |
| 29 Recoat Spillway Drum Gates                                   |            |            |            |            | (20,000)   | (20,000)   | (20,000)   | (20,000)   |            |            |            |            |
| 30 Spot Coat Cableway Head & Tail Towers                        | (10,000)   |            |            |            |            | (10,000)   |            |            |            |            |            |            |
| 31 Paradox Valve Repairs  | (10,000)   |            |            |            | (125,000)  | (40,000)   | (40,000)   | (40,000)   | (45,000)   | (45,000)   | (48,000)   | (50,000)   |
| 32 Extraordinary Generator Maintenance                          |            |            |            |            |            |            |            |            |            |            |            |            |
| 33 Crane Inspection & Repair (300-Ton Powerhouse Crane Repair)  | (20,000)   | (20,000)   | (20,000)   | (20,000)   | (20,000)   |            |            |            |            |            |            |            |
| 34 Replace Rubber Butterfly Valve Pump Bearings                 |            |            |            |            |            | (50,000)   |            |            |            |            |            |            |
| 35 Replace Deltec UPS Equipment                                 | (50,000)   |            |            |            |            |            |            |            |            |            |            |            |
| 36 Control Center HVAC  | (10,000)   |            |            |            |            |            |            |            |            |            |            |            |
| 37 Repair Penstock Anchor Points                                | (10,000)   |            |            |            |            |            |            |            |            |            |            |            |
| 38 Turbine Shift Ring Refurbishment                             | (4,000)    | (4,000)    | (4,000)    | (4,000)    | (4,000)    |            |            |            |            |            |            |            |
| 39 Turbine Pit Area Machining                                   | (10,000)   | (10,000)   | (10,000)   | (10,000)   | (10,000)   |            |            |            |            |            |            |            |
| 40 Warehouse Indoor Crane                                       | (5,000)    |            |            |            |            |            |            |            |            |            |            |            |
| 41 A2, A4 & A7 PRV Modernization                                |            |            |            |            |            |            |            |            |            | (15,000)   | (15,000)   | (15,000)   |
| 42 Drum Gate Drain Hose Replacement                             |            |            |            |            | (20,000)   |            |            |            |            |            |            |            |
| 43 Escalator Replacement  |            |            |            |            |            | (35,000)   |            |            |            |            |            |            |
| 44 LARUS 5702 Microwave Fiber Optic Repl.                       |            | (25,000)   | (25,000)   |            |            |            |            |            |            |            |            |            |
| 45 VC Chiller & Controller System Replacement                   |            | (20,000)   | (20,000)   |            |            |            |            |            |            |            |            |            |
| 46 Materials/Services/Other [4]                                 | 2,306,000  | 2,253,000  | 2,253,000  | 2,321,000  | 2,391,000  | 2,463,000  | 2,537,000  | 2,613,000  | 2,691,000  | 2,772,000  | 2,855,000  | 2,941,000  |
| 47 Post 9/11 Security Contract [2]                              | 2,039,000  | 2,486,000  | 2,138,000  | 2,391,000  | 2,463,000  | 2,537,000  | 2,613,000  | 2,691,000  | 2,772,000  | 2,855,000  | 2,941,000  | 3,029,000  |

**BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
ADMINISTRATIVE AND GENERAL EXPENSE  
BUDGET SUMMARY**

(Area Manager, Compliance Reg., Engineering/Planning, Mgmt. Svc, Security and Law Enforcement)

| DESCRIPTION                                    | Revised            |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|  | 2011               | 2012               | 2012               | 2013               | 2014               | 2015               | 2016               | 2017               | 2018               | 2019               | 2020               | 2021               |
| 48 Reclamation Enterprise Management Sys [5]   | 150,000            | 150,000            | 150,000            | 155,000            | 160,000            | 165,000            | 170,000            | 175,000            | 180,000            | 185,000            | 191,000            | 197,000            |
| 49 Office of Workers Compensation Programs [6] | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            | 550,000            |
| 50 Relocation [7]                              | 175,000            | 290,000            | 290,000            | 299,000            | 308,000            | 317,000            | 327,000            | 337,000            | 347,000            | 357,000            | 368,000            | 379,000            |
| 51 Warehouse Sunshades                         | 180,000            | 180,000            | 180,000            | 185,000            |                    |                    |                    |                    |                    |                    |                    |                    |
| 52 Repaving Warehouse Yard & Delivery Area     | 70,000             |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 53 Environmental Management Program            | 1,430,000          | 1,215,000          | 1,215,000          | 1,251,000          | 1,289,000          | 1,328,000          | 1,368,000          | 1,409,000          | 1,451,000          | 1,495,000          | 1,540,000          | 1,586,000          |
| 54 Region/Denver/Other Offices [8]             | 16,637,000         | 18,732,000         | 18,384,000         | 19,081,000         | 19,308,000         | 20,060,000         | 20,707,000         | 21,459,000         | 22,116,000         | 22,792,000         | 23,511,000         | 24,190,000         |
| <b>Subtotal</b>                                | <b>(1,933,000)</b> | <b>(2,207,000)</b> | <b>(2,158,000)</b> | <b>(2,223,000)</b> | <b>(2,290,000)</b> | <b>(2,359,000)</b> | <b>(2,430,000)</b> | <b>(2,503,000)</b> | <b>(2,578,000)</b> | <b>(2,655,000)</b> | <b>(2,735,000)</b> | <b>(2,817,000)</b> |
| Shared Costs (Powerplant/Visitor Service)[9]   | 14,704,000         | 16,525,000         | 16,226,000         | 16,858,000         | 17,018,000         | 17,701,000         | 18,277,000         | 18,956,000         | 19,538,000         | 20,137,000         | 20,776,000         | 21,373,000         |
| <b>Total - A&amp;GE</b>                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

All years include indexing of 3% GS and 5% BB.

|  | FY2011            | FY2012            | Revised FY2012    |
|--|-------------------|-------------------|-------------------|
| [1] Salary                                 | 5,975,000         | 7,152,000         | 7,152,000         |
| Benefits (FY11 28.0%, FY12 28.0%)          | 1,673,000         | 2,003,000         | 2,003,000         |
| Regional Overhead (FY11 24.5%, FY12 24.5%) | 1,874,000         | 2,243,000         | 2,243,000         |
| Police Pay Retention                       | 125,000           | 127,000           | 127,000           |
| Overtime                                   | 246,000           | 250,000           | 250,000           |
| Awards                                     | 219,000           | 171,000           | 171,000           |
| <b>Total</b>                               | <b>10,112,000</b> | <b>11,946,000</b> | <b>11,946,000</b> |

The budgeting process for FY 2012 follows actual expenditures averages of 5-year trend analyses.

The changes in salaries result from the following:

- Increases - Bargaining Board pay raise (effective October 2010); budgeted figures for offices based on trend analyses and actual expenditures average across 5-years.
- Decreases - overall project impacts will offset when expenditures are reflected in those offices to which support is provided and charges are made.

The decrease in awards is based on trend analyses and actual expenditures average across 5-years.

[2] Post 9/11 Security increases brought about by the 9/11/01 terrorist attacks (Federal Officers and Guards \$1,400,000; Security Contract \$2,800,000)

[3] Engineering and Planning Office charges in support of Replacements/Extraordinary Maintenance line items (\$338k).

[4] Materials/Services/Other:

|                                | FY2011      | FY2012      | Revised FY2012 |
|--------------------------------|-------------|-------------|----------------|
| Miscellaneous Charges          | 37,000      | 53,000      | 53,000         |
| Training                       | 181,000     | 155,000     | 155,000        |
| Travel                         | 107,000     | 140,000     | 140,000        |
| Services                       | 3,206,000   | 3,691,000   | 3,343,000      |
| Materials and Supplies         | 357,000     | 340,000     | 340,000        |
| Equipment                      | 457,000     | 360,000     | 360,000        |
| Total Services/Materials/Other | 4,345,000   | 4,739,000   | 4,391,000      |
| Post 9/11 Security Contract    | (2,039,000) | (2,486,000) | (2,138,000)    |
|                                | 2,306,000   | 2,253,000   | 2,253,000      |

**FY2012**  
**BOULDER CANYON PROJECT**  
**TEN YEAR OPERATING PLAN**  
**ADMINISTRATIVE AND GENERAL EXPENSE**  
**BUDGET SUMMARY**  
(Area Manager, Compliance Reg., Engineering/Planning, Mgmt. Svc, Security and Law Enforcement)

The decrease in materials & supplies is based on trend analyses and actual expenditures averages across 5-years.

The decrease in equipment is based on trend analyses and actual expenditures averages across 5-years.

[4] Post 9/11 Security increases brought about by the 9/11/01 terrorist attacks (Federal Officers and Guards \$1,400,000; Security Contract \$2,800,000) The total \$2,486,000 security contract cost is the result of \$2.8M less \$102k Vis Svc less \$212K A&GE projected FY 2012 non-reimbursable security. The remainder 13% reduction of \$32,000 for FY 2012 projected non-reimbursable security costs will reduce Visitor Services portion of Post-9/11 security contract costs. We anticipate only the Arizona checkpoint will be closed and have included funding for the Nevada for checkpoint and defense strategy for FY 2012 and out years. Revised non-reimbursable security costs are further reduced in the "Revised" FY12 by (\$348k) bringing the projected contract for S&LE total to \$2,138,000.

[5] Denver assessment for Maximo/Carma software used to track Maintenance management costs at Reclamation powerplants.

[6] We anticipate OWCP costs will continue to decline as older, retired claimants cease to claim benefits and with the results of Hoover Management's emphasis on workplace safety. Generally accepted accounting practices require that we keep the estimate at least level with our FY 2011 estimate.

[7] Relocation for Area Mgr, Mgmt Svcs, Compliance & Regulatory \$25k each; Security and Law Enforcement \$100k; Engineering and Planning \$80k.

[8] Region/Denver/Other Offices - Direct charges in support of various project activities. These charges are not part of the Region's overhead charge.

[9] See Shared Costs table in Visitor Services tab.

**FY2012**  
**BOULDER CANYON PROJECT**  
**TEN YEAR OPERATING PLAN**  
**EXTRAORDINARY MAINTENANCE BUDGET PROGRAM**

| DESCRIPTION |   | 2011      | 2012      | 2013      | 2014      | 2015      | 2016    | 2017 | 2018 | 2019 | 2020 | 2021 |
|-------------|---|-----------|-----------|-----------|-----------|-----------|---------|------|------|------|------|------|
| <b>1</b>    | <b>PRV Overhauls</b>  | 1,644,000 | 2,584,000 | 2,654,000 | 2,732,000 | 1,904,000 | 511,000 |      |      |      |      |      |
|             | Standardized hydraulic valves and control for 9 PRV Overhauls |           |           |           |           |           |         |      |      |      |      |      |
|             | Contract repairs to N1 PRV                                    | 800,000   | 400,000   |           |           |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            | 12,000    | 33,000    |           |           |           |         |      |      |      |      |      |
|             | Region Non-Contract N1 PRV                                    | 10,000    | 25,000    |           |           |           |         |      |      |      |      |      |
|             | Contract repairs to N8 PRV                                    | 800,000   | 400,000   |           |           |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            | 12,000    | 33,000    |           |           |           |         |      |      |      |      |      |
|             | Region Non-Contract N8 PRV                                    | 10,000    | 25,000    |           |           |           |         |      |      |      |      |      |
|             | Contract repairs to A8 PRV                                    |           | 824,000   | 412,000   |           |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           | 34,000    |           |           |         |      |      |      |      |      |
|             | Region Non-Contract A8 PRV                                    |           | 10,000    | 21,000    |           |           |         |      |      |      |      |      |
|             | Contract repairs to A5 PRV                                    |           | 824,000   | 412,000   |           |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           | 34,000    |           |           |         |      |      |      |      |      |
|             | Region Non-Contract A5 PRV                                    |           | 10,000    | 21,000    |           |           |         |      |      |      |      |      |
|             | Contract repairs to N6 PRV                                    |           |           | 849,000   | 424,000   |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           |           | 35,000    |           |         |      |      |      |      |      |
|             | Region Non-Contract N6 PRV                                    |           |           | 11,000    | 22,000    |           |         |      |      |      |      |      |
|             | Contract repairs to A3 PRV                                    |           |           | 849,000   | 424,000   |           |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           |           | 35,000    |           |         |      |      |      |      |      |
|             | Region Non-Contract A3 PRV                                    |           |           | 11,000    | 22,000    |           |         |      |      |      |      |      |
|             | Contract repairs to A1 PRV                                    |           |           |           | 874,000   | 437,000   |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           |           |           | 36,000    |         |      |      |      |      |      |
|             | Region Non-Contract A1 PRV                                    |           |           |           | 11,000    | 23,000    |         |      |      |      |      |      |
|             | Contract repairs to A9 PRV                                    |           |           |           | 874,000   | 437,000   |         |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           |           |           | 36,000    |         |      |      |      |      |      |
|             | Region Non-Contract A9 PRV                                    |           |           |           | 11,000    | 23,000    |         |      |      |      |      |      |
|             | Contract repairs to N5 PRV                                    |           |           |           |           | 900,000   | 450,000 |      |      |      |      |      |
|             | Hoover Force Account (Crane support & Engineering)            |           |           |           |           |           | 37,000  |      |      |      |      |      |
|             | Region Non-Contract N5 PRV                                    |           |           |           |           | 12,000    | 24,000  |      |      |      |      |      |
| <b>2</b>    | <b>Penstock &amp; Penstock Lateral Exterior Spot Coating</b>  |           |           |           |           |           |         |      |      |      |      |      |
|             | Contract  | 560,000   | 1,600,000 | 2,000,000 |           |           |         |      |      |      |      |      |
|             | Force Account - Penstock Spot Coatings                        | 460,000   | 1,460,000 | 1,860,000 |           |           |         |      |      |      |      |      |
|             | Region Noncontract-Penstock Spot Coatings                     | 30,000    | 40,000    | 40,000    |           |           |         |      |      |      |      |      |
|             |   | 70,000    | 100,000   | 100,000   |           |           |         |      |      |      |      |      |

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| DESCRIPTION   | 2011             | 2012             | 2013             | 2014             | 2015             | 2016             | 2017             | 2018             | 2019             | 2020             | 2021             |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>3 Recast Spillway Drum Gates</b>                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  |                  |                  |                  | 1,680,000        | 1,764,000        | 1,853,000        | 1,946,000        |                  |                  |                  |                  |
| Force Acct. - Spillway Drum Gates                                 |                  |                  |                  | 1,530,000        | 1,614,000        | 1,703,000        | 1,796,000        |                  |                  |                  |                  |
| Region Noncontract - Spillway Drum Gates                          |                  |                  |                  | 50,000           | 50,000           | 50,000           | 50,000           |                  |                  |                  |                  |
|   |                  |                  |                  | 100,000          | 100,000          | 100,000          | 100,000          |                  |                  |                  |                  |
| <b>4 Spot Coat Cableway Head &amp; Tail Towers</b>                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 380,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Force Acct. - Spot Coat Cableway                                  | 300,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Region Noncontract - Spot Coat Cable                              | 30,000           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|   | 50,000           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>5 Paradox Valve Repairs</b>                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 220,000          |                  |                  |                  | 220,000          |                  |                  |                  |                  |                  |                  |
| Force Acct. - Paradox Valve Repairs                               | 100,000          |                  |                  |                  | 100,000          |                  |                  |                  |                  |                  |                  |
| Region Noncontract - Paradox Valve Repairs                        | 20,000           |                  |                  |                  | 20,000           |                  |                  |                  |                  |                  |                  |
| <b>6 Extraordinary Generator Maintenance</b>                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  |                  |                  |                  | 180,000          | 3,135,000        | 3,141,000        | 3,146,000        | 3,152,000        | 3,157,000        | 3,164,000        | 3,169,000        |
| Force Acct. - Extraordinary Generator Maintenance                 |                  |                  |                  | 150,000          | 105,000          | 110,000          | 115,000          | 120,000          | 125,000          | 131,000          | 135,000          |
| Regional Noncontract - Extraordinary Generator Mince              |                  |                  |                  | 30,000           | 30,000           | 31,000           | 31,000           | 32,000           | 32,000           | 33,000           | 34,000           |
| <b>7 Crane Inspection &amp; Repair (300-Ton Powerhouse Crane)</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 540,000          | 750,000          | 1,350,000        | 1,350,000        |                  |                  |                  |                  |                  |                  |                  |
| Force Acct. - Powerhouse Crane Repairs                            | 400,000          | 600,000          | 1,200,000        | 1,200,000        |                  |                  |                  |                  |                  |                  |                  |
| Regional Noncontract - Powerhouse Crane Repairs                   | 100,000          | 100,000          | 100,000          | 100,000          |                  |                  |                  |                  |                  |                  |                  |
|   | 40,000           | 50,000           | 50,000           | 50,000           |                  |                  |                  |                  |                  |                  |                  |
| <b>8 Repair Penstock Anchor Points</b>                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 160,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Force Acct. - Penstock Anchor Points                              | 120,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Regional Noncontract - Penstock Anchor Points                     | 20,000           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>9 Turbine Shift Ring Refurbishment</b>                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 228,000          | 234,000          | 240,000          | 246,000          |                  |                  |                  |                  |                  |                  |                  |
| Force Acct. - Turbine Shift Ring Refurbishment                    | 210,000          | 216,000          | 222,000          | 228,000          |                  |                  |                  |                  |                  |                  |                  |
| Regional Noncontract - Turbine Shift Ring Refurbishment           | 8,000            | 8,000            | 8,000            | 8,000            |                  |                  |                  |                  |                  |                  |                  |
|   | 10,000           | 10,000           | 10,000           | 10,000           |                  |                  |                  |                  |                  |                  |                  |
| <b>10 Turbine Pit Area Machining</b>                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 330,000          | 340,000          | 350,000          | 360,000          |                  |                  |                  |                  |                  |                  |                  |
| Force Acct. - Turbine Pit Area Machining                          | 280,000          | 290,000          | 300,000          | 310,000          |                  |                  |                  |                  |                  |                  |                  |
| Regional Noncontract - Turbine Pit Area Machining                 | 30,000           | 30,000           | 30,000           | 30,000           |                  |                  |                  |                  |                  |                  |                  |
|   | 20,000           | 20,000           | 20,000           | 20,000           |                  |                  |                  |                  |                  |                  |                  |
| <b>11 Warehouse Indoor Crane</b>                                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Contract  | 200,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Force Account - Warehouse Indoor Crane                            | 180,000          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Regional Noncontract - Warehouse Indoor Crane                     | 10,000           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|   | 10,000           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>Total Extraordinary Maint.-Dam/Powerplant</b>                  | <b>4,262,000</b> | <b>5,508,000</b> | <b>6,594,000</b> | <b>6,548,000</b> | <b>7,023,000</b> | <b>5,605,000</b> | <b>5,092,000</b> | <b>3,152,000</b> | <b>3,157,000</b> | <b>3,164,000</b> | <b>3,169,000</b> |

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| DESCRIPTION                                       | 2011      | 2012    | 2013      | 2014    | 2015    | 2016    | 2017    | 2018    | 2019    | 2020    | 2021    |
|---|-----------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>1 Replace/Upgrade Microwave Telemetry Sys.</b> |           |         |           |         |         |         |         |         |         |         |         |
| Contract  | 122,000   |         |           |         |         |         |         |         |         |         |         |
|   | 122,000   |         |           |         |         |         |         |         |         |         |         |
| <b>2 Rebuild and Replace Generator Coolers</b>    |           |         |           |         |         |         |         |         |         |         |         |
| Equipment   | 267,000   | 317,000 | 326,000   | 336,000 | 346,000 | 357,000 | 368,000 | 378,000 | 389,000 | 400,000 | 411,000 |
| Force Account - Generator Coolers                 | 250,000   | 300,000 | 309,000   | 318,000 | 328,000 | 338,000 | 348,000 | 358,000 | 369,000 | 380,000 | 391,000 |
| Regional Noncontract                              | 5,000     | 5,000   | 5,000     | 5,000   | 5,000   | 6,000   | 6,000   | 6,000   | 6,000   | 6,000   | 6,000   |
|   | 12,000    | 12,000  | 12,000    | 13,000  | 13,000  | 13,000  | 14,000  | 14,000  | 14,000  | 14,000  | 14,000  |
| <b>3 Wicket Gate Stainless Steel Replacement</b>  |           |         |           |         |         |         |         |         |         |         |         |
| N3 Wicket Gates                                   | 1,270,000 | 734,000 | 1,000,000 | 773,000 |         |         |         |         |         |         |         |
| N3 Wicket Lever Keyways                           | 220,000   |         |           |         |         |         |         |         |         |         |         |
| N3 Force Account - Wicket Gate SS Replc           | 60,000    |         |           |         |         |         |         |         |         |         |         |
| N3 Region Noncontract - Wicket Gate SS Replc      | 34,000    |         |           |         |         |         |         |         |         |         |         |
| A6-Wicket Gates                                   |           |         |           |         |         |         |         |         |         |         |         |
| A6 Wicket Lever Keyways                           |           |         |           |         |         |         |         |         |         |         |         |
| A6 Servo Machining                                |           |         |           |         |         |         |         |         |         |         |         |
| A6 Force Account - Wicket Gate SS Replc           |           |         |           |         |         |         |         |         |         |         |         |
| A6 Region Noncontract - Wicket Gate SS Replc      |           |         |           |         |         |         |         |         |         |         |         |
| N8 Wicket Gates                                   | 900,000   | 450,000 |           |         |         |         |         |         |         |         |         |
| N8 Stay Vane Machining                            |           | 94,000  |           |         |         |         |         |         |         |         |         |
| N8 Wicket Lever Keyways                           |           | 44,000  |           |         |         |         |         |         |         |         |         |
| N8 Wicket Thrust Groove Machining                 |           | 30,000  |           |         |         |         |         |         |         |         |         |
| N4 Servo Machining                                |           | 25,000  |           |         |         |         |         |         |         |         |         |
| N4 Force Account - Wicket Gate SS Replc           |           | 50,000  |           |         |         |         |         |         |         |         |         |
| N4 Region Noncontract - Wicket Gate SS Replc      | 14,000    | 41,000  |           |         |         |         |         |         |         |         |         |
| N6-Wicket Gates                                   |           |         | 950,000   | 477,000 |         |         |         |         |         |         |         |
| N6 Stay Vane Machining                            |           |         |           | 97,000  |         |         |         |         |         |         |         |
| N6 Wicket Lever Keyways                           |           |         |           | 46,000  |         |         |         |         |         |         |         |
| N6 Wicket Thrust Groove Machining                 |           |         |           | 30,000  |         |         |         |         |         |         |         |
| N6 Servo Machining                                |           |         |           | 26,000  |         |         |         |         |         |         |         |
| N6 Force Account - Wicket Gate SS Replc           |           |         | 30,000    | 53,000  |         |         |         |         |         |         |         |
| N6 Region Noncontract - Wicket Gate SS Replc      |           |         | 20,000    | 44,000  |         |         |         |         |         |         |         |

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| DESCRIPTION |   | 2011    | 2012    | 2013    | 2014    | 2015    | 2016 | 2017 | 2018 | 2019    | 2020      | 2021      |
|-------------|---|---------|---------|---------|---------|---------|------|------|------|---------|-----------|-----------|
| <b>4</b>    | <b>Purchase &amp; Replace Worn Wicket Gate Bushings and Wear Plates</b> | 540,000 | 567,000 | 80,000  |         |         |      |      |      |         |           |           |
|             | A6 Force Acct - Replc Wicket Gate Bushings                              |         |         |         |         |         |      |      |      |         |           |           |
|             | N3 Contract   |         |         |         |         |         |      |      |      |         |           |           |
|             | N3 Force Acct - Replace Wicket Gate Bushings                            | 72,000  |         |         |         |         |      |      |      |         |           |           |
|             | N3 Regional Noncontract - Replc Wicket Gate Bushings                    |         |         |         |         |         |      |      |      |         |           |           |
|             | N8 Contract   | 441,000 |         |         |         |         |      |      |      |         |           |           |
|             | N8 Force Acct - Replc Wicket Gate Bushings                              |         | 76,000  |         |         |         |      |      |      |         |           |           |
|             | N8 Regional Noncontract - Replc Wicket Gate Bushings                    | 27,000  |         |         |         |         |      |      |      |         |           |           |
|             | A8 Contract   |         | 463,000 |         |         |         |      |      |      |         |           |           |
|             | A8 Force Acct - Replc Wicket Gate Bushings                              |         |         | 80,000  |         |         |      |      |      |         |           |           |
|             | A8 Regional Noncontract - Replc Wicket Gate Bushings                    |         | 28,000  |         |         |         |      |      |      |         |           |           |
| <b>5</b>    | <b>Purchase Turbine Seal Rings</b>                                      | 233,000 | 244,000 | 255,000 | 269,000 | 281,000 |      |      |      |         |           |           |
|             | N8 Contract   | 210,000 |         |         |         |         |      |      |      |         |           |           |
|             | N8 Force Account - Purchase Seal Rings                                  | 10,000  |         |         |         |         |      |      |      |         |           |           |
|             | N8 Noncontract - Purchase Seal Rings                                    | 13,000  |         |         |         |         |      |      |      |         |           |           |
|             | A8 Contract   |         | 220,000 |         |         |         |      |      |      |         |           |           |
|             | A8 Force Account - Purchase Seal Rings                                  |         | 11,000  |         |         |         |      |      |      |         |           |           |
|             | A8 Regional Noncontract - Purchase Seal Rings                           |         | 13,000  |         |         |         |      |      |      |         |           |           |
|             | A3-4 Contract   |         |         | 231,000 |         |         |      |      |      |         |           |           |
|             | A3-4 Force Account - Purchase Seal Rings                                |         |         | 11,000  |         |         |      |      |      |         |           |           |
|             | A3-4 Noncontract - Purchase Seal Rings                                  |         |         | 13,000  |         |         |      |      |      |         |           |           |
|             | A9 Contract   |         |         |         | 243,000 |         |      |      |      |         |           |           |
|             | A9 Force Account - Purchase Seal Rings                                  |         |         |         | 12,000  |         |      |      |      |         |           |           |
|             | A9 Noncontract - Purchase Seal Rings                                    |         |         |         | 14,000  |         |      |      |      |         |           |           |
|             | A8 Contract - Purchase Spare Seal Ring                                  |         |         |         |         | 255,000 |      |      |      |         |           |           |
|             | A8 Force Account - Purchase Seal Rings                                  |         |         |         |         | 12,000  |      |      |      |         |           |           |
|             | A8 Noncontract - Purchase Seal Rings                                    |         |         |         |         | 14,000  |      |      |      |         |           |           |
| <b>6</b>    | <b>A2, A4 and A7 PRV Modernization</b>                                  |         | 400,000 |         |         |         |      |      |      | 840,000 | 1,260,000 | 1,260,000 |
|             | A2, A4, A7 Contract - Standardized Hydraulic Valves                     |         | 400,000 |         |         |         |      |      |      |         |           |           |
|             | A4 Contract - PRV Modernization   |         |         |         |         |         |      |      |      | 800,000 | 420,000   |           |
|             | A4 Force Account - PRV Modernization                                    |         |         |         |         |         |      |      |      | 20,000  |           |           |
|             | A4 Noncontract - PRV Modernization                                      |         |         |         |         |         |      |      |      | 20,000  |           |           |

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| DESCRIPTION  | 2011    | 2012 | 2013 | 2014    | 2015    | 2016    | 2017      | 2018      | 2019 | 2020    | 2021      |
|--|---------|------|------|---------|---------|---------|-----------|-----------|------|---------|-----------|
| A2 Contract - PRV Modernization                          |         |      |      |         |         |         |           |           |      | 800,000 | 420,000   |
| A2 Force Account - PRV Modernization                     |         |      |      |         |         |         |           |           |      | 20,000  |           |
| A2 Noncontract - PRV Modernization                       |         |      |      |         |         |         |           |           |      | 20,000  |           |
| A7 Contract - PRV Modernization                          |         |      |      |         |         |         |           |           |      |         | 800,000   |
| A7 Force Account - PRV Modernization                     |         |      |      |         |         |         |           |           |      |         | 20,000    |
| A7 Noncontract - PRV Modernization                       |         |      |      |         |         |         |           |           |      |         | 20,000    |
| <b>7 Drum Gate Drain Hose Replacement</b>                |         |      |      |         |         |         |           |           |      |         |           |
| Contract   |         |      |      | 275,000 |         |         |           |           |      |         |           |
| Force Acct - Drain Hose                                  |         |      |      | 210,000 |         |         |           |           |      |         |           |
| Noncontract - Drain Hose                                 |         |      |      | 35,000  |         |         |           |           |      |         |           |
|  |         |      |      | 30,000  |         |         |           |           |      |         |           |
| <b>8 Escalator Replacement</b>                           |         |      |      |         |         |         |           |           |      |         |           |
| Contract   |         |      |      |         | 570,000 |         |           |           |      |         |           |
| Force Account - Escalator Replacement                    |         |      |      |         | 500,000 |         |           |           |      |         |           |
| Noncontract - Escalator Replacement                      |         |      |      |         | 50,000  |         |           |           |      |         |           |
|  |         |      |      |         | 20,000  |         |           |           |      |         |           |
| <b>9 Butterfly Valves Pumps/Bearings Replacement</b>     |         |      |      |         |         |         |           |           |      |         |           |
| Contract   |         |      |      |         | 220,000 |         |           |           |      |         |           |
| Force Account - Butterfly Valve Pumps/Bearings           |         |      |      |         | 100,000 |         |           |           |      |         |           |
| Noncontract - Butterfly Valve Pumps/Bearings             |         |      |      |         | 100,000 |         |           |           |      |         |           |
|  |         |      |      |         | 20,000  |         |           |           |      |         |           |
| <b>10 Replace Deltec UPS Equipment</b>                   |         |      |      |         |         |         |           |           |      |         |           |
| Contract   | 670,000 |      |      |         |         |         |           |           |      |         |           |
| Force Account - Deltec UPS Equipment                     | 450,000 |      |      |         |         |         |           |           |      |         |           |
| Noncontract - Deltec UPS Equipment                       | 200,000 |      |      |         |         |         |           |           |      |         |           |
|  | 20,000  |      |      |         |         |         |           |           |      |         |           |
| <b>11 Elevator Motor and Controller Replacement</b>      |         |      |      |         |         |         |           |           |      |         |           |
| Contract   |         |      |      | 870,000 |         | 953,000 |           | 1,280,000 |      |         | 1,280,000 |
| Force Account - Elevator Motor & Controller              |         |      |      | 810,000 |         | 893,000 |           | 1,200,000 |      |         | 1,200,000 |
| Noncontract - Elevator Motor & Controller                |         |      |      | 40,000  |         | 40,000  |           | 50,000    |      |         | 50,000    |
|  |         |      |      | 20,000  |         | 20,000  |           | 30,000    |      |         | 30,000    |
| <b>12 Replace Wastewater Treatment Facility</b>          |         |      |      |         |         |         |           |           |      |         |           |
| Contract   |         |      |      |         |         | 100,000 | 2,700,000 |           |      |         |           |
| Labor - Replace Wastewater Treatment Fac.                |         |      |      |         |         | 50,000  | 2,500,000 |           |      |         |           |
| Regional Noncontract - Replace Wastewater Treatment Fac. |         |      |      |         |         | 25,000  | 100,000   |           |      |         |           |
|  |         |      |      |         |         | 25,000  | 100,000   |           |      |         |           |

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REPLACEMENT  
BUDGET SUMMARY**

| DESCRIPTION   | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018      | 2019 | 2020 | 2021 |
|---|------|------|------|------|------|------|------|-----------|------|------|------|
| <b>13 Drum Gate Hinge Pins Replacement</b>                        |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      | 1,220,000 |      |      |      |
| Force Acct. - Drum Gate Hinge Pins                                |      |      |      |      |      |      |      | 1,050,000 |      |      |      |
| Region Noncontract - Drum Gate Hinge Pins                         |      |      |      |      |      |      |      | 50,000    |      |      |      |
|   |      |      |      |      |      |      |      | 120,000   |      |      |      |
| <b>14 Unit A8 Wide Head Turbine</b>                               |      |      |      |      |      |      |      |           |      |      |      |
| Contract Base Control CFD plus Turbine Fabricate & Deliver        |      |      |      |      |      |      |      |           |      |      |      |
| Option Item(s) 1 Turbine Fabricate & Deliver                      |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - Unit A8 Wide Head Turbine                         |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Unit A8 Wide Head Turbine                    |      |      |      |      |      |      |      |           |      |      |      |
| <b>15 Drum Gate Seal Replacement</b>                              |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Acct. - Drum Gate Seal Replacement                          |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Drum Gate Seal Replacement                   |      |      |      |      |      |      |      |           |      |      |      |
| <b>16 2300V Conduit &amp; Power Cable (Warehouse) Replacement</b> |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Acct. - 2300V Conduit/Whse                                  |      |      |      |      |      |      |      | 370,000   |      |      |      |
| Region Noncontract - 2300V Conduit & Power Cable                  |      |      |      |      |      |      |      | 30,000    |      |      |      |
|   |      |      |      |      |      |      |      | 20,000    |      |      |      |
| <b>17 Station Service Pelton Turbine Replacement</b>              |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - Station Service Pelton Turbine                    |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Station Service Pelton Turbine               |      |      |      |      |      |      |      |           |      |      |      |
| <b>18 Electrical Panel Replacement</b>                            |      |      |      |      |      |      |      |           |      |      |      |
| Materials   |      |      |      |      |      |      |      |           |      |      |      |
| Force Account Labor   |      |      |      |      |      |      |      |           |      |      |      |
| Regional Noncontract  |      |      |      |      |      |      |      |           |      |      |      |
| <b>19 Replace 2300 Volt Switchgear</b>                            |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - 2300 Volt Switchgear                              |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - 2300 Volt Switchgear                         |      |      |      |      |      |      |      |           |      |      |      |
| <b>20 Larus 5702 Microwave / Fiber Optic Switches Replacement</b> |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - Rubber Butterfly Valve Seals                      |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Rubber Butterfly Valve Seals                 |      |      |      |      |      |      |      |           |      |      |      |
| <b>21 Elevator Compensating Ropes Replacement</b>                 |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - Elevator Ropes Replacement                        |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Elevator Ropes Replacement                   |      |      |      |      |      |      |      |           |      |      |      |
| <b>22 Unit Station Service Transfer Bus Breaker</b>               |      |      |      |      |      |      |      |           |      |      |      |
| Contract  |      |      |      |      |      |      |      |           |      |      |      |
| Force Account - Service Transfer Bus Breaker                      |      |      |      |      |      |      |      |           |      |      |      |
| Region Noncontract - Service Transfer Bus Breaker                 |      |      |      |      |      |      |      |           |      |      |      |

FY2012  
 BOULDER CANYON PROJECT  
 TEN YEAR OPERATING PLAN  
 REPLACEMENT  
 BUDGET SUMMARY

| DESCRIPTION  | 2011    | 2012      | 2013      | 2014      | 2015    | 2016    | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|---------|-----------|-----------|-----------|---------|---------|------|------|------|------|------|
| 23 Microwave Radio Replacement                           |         |           |           |           |         |         |      |      |      |      |      |
| Contract   | 360,000 |           |           |           |         |         |      |      |      |      |      |
| Force Account - Microwave Radio Replacement              | 300,000 |           |           |           |         |         |      |      |      |      |      |
| Region Noncontract - Microwave Radio Replacement         | 50,000  |           |           |           |         |         |      |      |      |      |      |
| Region Noncontract - Microwave Radio Replacement         | 10,000  |           |           |           |         |         |      |      |      |      |      |
| 24 Hand Held & Police Vehicle Radio Replacement          |         |           |           |           |         |         |      |      |      |      |      |
| Contract   | 65,000  |           |           |           |         |         |      |      |      |      |      |
| Force Account - Hand Held & Police Radio Replc.          | 55,000  |           |           |           |         |         |      |      |      |      |      |
| Region Noncontract - Hand Held & Police Radio Replc.     | 5,000   |           |           |           |         |         |      |      |      |      |      |
| Region Noncontract - Hand Held & Police Radio Replc.     | 5,000   |           |           |           |         |         |      |      |      |      |      |
| 25 Pressure Relief Valve (PRV) Modernization - Overhauls | 656,000 | 1,252,000 | 1,328,000 | 1,370,000 | 980,000 | 283,000 |      |      |      |      |      |
| Equipment - 9 PRV overhauls                              |         |           |           |           |         |         |      |      |      |      |      |
| Contract - A6  |         |           |           |           |         |         |      |      |      |      |      |
| Force Account - A6                                       |         |           |           |           |         |         |      |      |      |      |      |
| Non-contract - A6  |         |           |           |           |         |         |      |      |      |      |      |
| Contract - N1  | 315,000 | 200,000   |           |           |         |         |      |      |      |      |      |
| Force Account - N1                                       | 8,000   | 17,000    |           |           |         |         |      |      |      |      |      |
| Non-contract - N1  | 5,000   | 15,000    |           |           |         |         |      |      |      |      |      |
| Contract - N8  | 315,000 | 200,000   |           |           |         |         |      |      |      |      |      |
| Force Account - N8                                       | 8,000   | 17,000    |           |           |         |         |      |      |      |      |      |
| Non-contract - N8  | 5,000   | 15,000    |           |           |         |         |      |      |      |      |      |
| Contract - A8  |         | 389,000   | 218,000   |           |         |         |      |      |      |      |      |
| Force Account - A8                                       |         | 18,000    | 22,000    |           |         |         |      |      |      |      |      |
| Non-contract - A8  |         | 5,000     | 22,000    |           |         |         |      |      |      |      |      |
| Contract - A5  |         | 389,000   | 218,000   |           |         |         |      |      |      |      |      |
| Force Account - A5                                       |         | 18,000    | 18,000    |           |         |         |      |      |      |      |      |
| Non-contract - A5  |         | 5,000     | 22,000    |           |         |         |      |      |      |      |      |

FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
REPLACEMENT  
BUDGET SUMMARY

| DESCRIPTION   | 2011      | 2012       | 2013      | 2014      | 2015       | 2016       | 2017      | 2018       | 2019      | 2020      | 2021      |
|---|-----------|------------|-----------|-----------|------------|------------|-----------|------------|-----------|-----------|-----------|
| Contract - A1   |           |            | 401,000   | 225,000   |            |            |           |            |           |           |           |
| Force Account - A1  |           |            | 5,000     | 19,000    |            |            |           |            |           |           |           |
| Non-contract - A1   |           |            | 401,000   | 225,000   |            |            |           |            |           |           |           |
| Contract - A3   |           |            | 5,000     | 19,000    |            |            |           |            |           |           |           |
| Force Account - A3  |           |            | 5,000     | 22,000    |            |            |           |            |           |           |           |
| Non-contract - A3   |           |            | 414,000   | 414,000   | 231,000    |            |           |            |           |           |           |
| Contract - N5   |           |            |           | 5,000     | 23,000     |            |           |            |           |           |           |
| Force Account - N5  |           |            |           | 414,000   | 231,000    |            |           |            |           |           |           |
| Non-contract - N5   |           |            |           | 5,000     | 23,000     |            |           |            |           |           |           |
| Contract - N6   |           |            |           | 5,000     | 23,000     |            |           |            |           |           |           |
| Force Account - N6  |           |            |           | 427,000   | 238,000    |            |           |            |           |           |           |
| Non-contract - N6   |           |            |           | 21,000    | 24,000     |            |           |            |           |           |           |
| Contract - A9   |           |            |           |           |            |            |           |            |           |           |           |
| Force Account - A9  |           |            |           |           |            |            |           |            |           |           |           |
| Non-contract - A9   |           |            |           |           |            |            |           |            |           |           |           |
| 26 Control Center HVAC  | 240,000   |            |           |           |            |            |           |            |           |           |           |
| Contract  | 200,000   |            |           |           |            |            |           |            |           |           |           |
| Force Account - Control Center HVAC   | 20,000    |            |           |           |            |            |           |            |           |           |           |
| Region Noncontract - Control Center HVAC                                    | 20,000    |            |           |           |            |            |           |            |           |           |           |
| Wide Head Range Turbine (prev. writeup Wide Head Turbine CFD & Model Study) | 1,150,000 | 1,905,000  | 2,290,000 | 3,500,000 | 2,600,000  | 1,000,000  |           |            |           |           |           |
| 27  |           |            |           |           |            |            |           |            |           |           |           |
| Computational Fluid Dynamic Design  |           |            |           |           |            |            |           |            |           |           |           |
| Physical Model Testing  | 1,100,000 | 600,000    |           |           |            |            |           |            |           |           |           |
| N8 Turbine Contract   | 1,000,000 | 1,500,000  |           | 600,000   |            |            |           |            |           |           |           |
| N6 Turbine Contract   |           | 700,000    |           | 1,700,000 | 600,000    |            |           |            |           |           |           |
| A1 Turbine Contract   |           |            |           | 700,000   | 1,600,000  | 600,000    |           |            |           |           |           |
| N5 Turbine Contract   |           |            |           | 150,000   | 150,000    | 150,000    |           |            |           |           |           |
| Materials - Wide Head Turbine   |           | 150,000    |           | 300,000   | 200,000    | 200,000    |           |            |           |           |           |
| Force Account - Wide Head Turbine   | 20,000    | 60,000     | 40,000    | 50,000    | 50,000     | 50,000     |           |            |           |           |           |
| Noncontract - Wide Head Turbine   | 30,000    | 95,000     | 50,000    |           |            |            |           |            |           |           |           |
| 28 Hoover Unit 16.5 KV Generator Breaker Replacement                        |           |            | 100,000   | 110,000   | 3,117,000  | 5,857,000  | 6,027,000 | 7,877,000  | 4,255,000 |           |           |
| Contract  |           |            |           |           | 3,067,000  | 5,657,000  | 5,827,000 | 7,677,000  | 4,105,000 |           |           |
| Labor   |           |            | 50,000    | 40,000    |            | 100,000    | 100,000   | 100,000    | 100,000   |           |           |
| Noncontract - 16.5 KV Generator Breaker Replacement                         |           |            | 50,000    | 70,000    | 50,000     | 100,000    | 100,000   | 100,000    | 50,000    |           |           |
| 29 Chiller & Control System Replacement                                     |           |            |           |           |            |            |           |            |           |           |           |
| Contract  |           |            |           |           |            |            |           |            |           |           |           |
| Labor   |           |            |           |           |            |            |           |            |           |           |           |
| Noncontract - 16.5 KV Generator Breaker Replacement                         |           |            |           |           |            |            |           |            |           |           |           |
| TOTAL REPLACEMENTS - BUDGET   | 9,533,000 | 12,119,000 | 9,679,000 | 8,439,000 | 10,914,000 | 10,850,000 | 9,095,000 | 10,755,000 | 5,384,000 | 1,660,000 | 2,951,000 |

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
VISITOR SERVICES BUDGET SUMMARY**

| DESCRIPTION                       | Revised    |            |            |            |            |            |            |            |            |            |            |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                   | 2011       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       |
| 1 Salaries [1] 35.5 FTE           | 3,326,000  | 2,484,000  | 2,559,000  | 2,636,000  | 2,715,000  | 2,796,000  | 2,880,000  | 2,966,000  | 3,055,000  | 3,147,000  | 3,241,000  |
| 2 Materials/Services/Other [2]    | 3,633,000  | 4,020,000  | 4,141,000  | 4,265,000  | 4,393,000  | 4,525,000  | 4,661,000  | 4,801,000  | 4,945,000  | 5,093,000  | 5,246,000  |
| 3 Security (Post 9/11) [3]        | 66,000     | 70,000     | 19,000     | 20,000     | 21,000     | 22,000     | 23,000     | 24,000     | 25,000     | 26,000     | 27,000     |
| 4 Additional Work                 |            |            |            |            |            |            |            |            |            |            |            |
| 5 Region/Denver/Other Offices [4] | 215,000    | 215,000    | 221,000    | 228,000    | 235,000    | 242,000    | 249,000    | 256,000    | 264,000    | 272,000    | 280,000    |
| 6 Shared Costs [5]                | 1,933,000  | 2,207,000  | 2,223,000  | 2,290,000  | 2,359,000  | 2,430,000  | 2,503,000  | 2,578,000  | 2,655,000  | 2,735,000  | 2,817,000  |
| 7 Total O&M/Line Items & Costs    | 9,173,000  | 8,996,000  | 9,163,000  | 9,439,000  | 9,723,000  | 10,015,000 | 10,316,000 | 10,625,000 | 10,944,000 | 11,273,000 | 11,611,000 |
| 8 Debt Service [6]                | 5,745,000  | 5,745,000  | 5,745,000  | 5,745,000  | 5,745,000  | 5,745,000  | 5,745,000  | 5,745,000  | 0          | 0          | 0          |
| 9 Total O&M/Debt/Shared           | 14,918,000 | 14,741,000 | 14,908,000 | 15,184,000 | 15,468,000 | 15,760,000 | 16,061,000 | 16,370,000 | 16,944,000 | 17,273,000 | 17,611,000 |
| 10 Anticipated Revenue            | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 | 12,000,000 |
| 11 Subsidy from Customers         | 2,918,000  | 2,741,000  | 2,908,000  | 3,184,000  | 3,468,000  | 3,760,000  | 4,061,000  | 4,375,000  | 4,727,000  | 5,100,000  | 5,489,000  |

[1] Salaries reflect reduction due to "support from" other offices not factored into this total, as in previous years. Salaries for individual offices are based on FTE's for each respective office. The budgeting procedure for FY 2012 follows actual expenditures averages of 5-year trend analyses.

All years include indexing of 3% GS and 5% BB.

|  | FY 2011   | FY 2012   | Revised FY 2012 |
|--|-----------|-----------|-----------------|
| [1] Salary                                   | 2,024,000 | 1,502,000 | 1,502,000       |
| Benefits (FY 11 28.0%, FY 12 28.0 %)         | 567,000   | 421,000   | 421,000         |
| Regional Overhead (FY 11 24.5%, FY 12 24.5%) | 635,000   | 471,000   | 471,000         |
| Overtime                                     | 60,000    | 60,000    | 60,000          |
| Awards                                       | 40,000    | 30,000    | 30,000          |
| Total  | 3,326,000 | 2,484,000 | 2,484,000       |

|  | FY 2011   | FY 2012   | Revised FY 2012 |
|--|-----------|-----------|-----------------|
| [2] Materials/Services/Other           | 150,000   | 190,000   | 190,000         |
| New Ticketing/Parking Contract         | 1,336,000 | 1,470,000 | 1,470,000       |
| Photo & Memorabilia Contract           | 402,000   | 585,000   | 585,000         |
| Marketing Contract                     | 240,000   | 270,000   | 270,000         |
| Memorabilia Contract                   | 104,000   | 0         | 0               |
| (combined with FY 12 Photo contract)   |           |           |                 |
| Memorabilia Services                   | 660,000   | 715,000   | 715,000         |
| Janitorial Contract                    | 56,000    | 70,000    | 70,000          |
| Misc. Contracts (trash pickup, etc.)   | 480,000   | 500,000   | 500,000         |
| Security Contract (Pre 9/11)           | 3,428,000 | 3,800,000 | 3,800,000       |
| Subtotal - Services                    | 105,000   | 60,000    | 60,000          |
| Miscellaneous Charges (printing, etc.) | 77,000    | 100,000   | 100,000         |
| Materials/Supplies                     | 10,000    | 50,000    | 50,000          |
| Equipment                              | 8,000     | 5,000     | 5,000           |
| Training                               | 5,000     | 5,000     | 5,000           |
| Travel                                 | 5,000     | 5,000     | 5,000           |
| Total                                  | 3,633,000 | 4,020,000 | 4,020,000       |

**FY2012  
BOULDER CANYON PROJECT  
TEN YEAR OPERATING PLAN  
VISITOR SERVICES BUDGET SUMMARY**

Variance in Memorabilia Services, Miscellaneous Charges and Materials & Supplies are due to the budget formulation process for FY2012 following actual expenditures averages of 5-year trend analyses.

[3] Post 9/11 Security increases brought about by the 9/11/01 terrorist attacks. Armed security will still be required along the tour route after bridge completion. (Federal Officers and Guards \$1,400,000; Security Contract \$2,800,000). The 13% reduction from \$102,000 results in a total \$70,000 for Post 9/11 security costs. Revised FY2012 non-reimbursable security costs further reduction results in a decrease of (\$52k), bringing the projected total Post 9/11 costs for the VC to \$18,000.

[4] Direct charges in support of various project activities. These charges are not part of the Region's overhead charge.

[5] See Shared Costs table on following pages.

[6] As revenue increases and expenses decrease, Reclamation will apply excess revenues to this item to repay the Federal portion of the Visitor Facilities debt.

**FY 2012**  
**BOULDER CANYON PROJECT**  
**TEN YEAR OPERATING PLAN**  
**POST 9/11 SECURITY SUMMARY**

| DESCRIPTION                           | 2011                       | 2012             | Revised<br>2012  | 2013             | 2014             | 2015             | 2016             | 2017             | 2018             | 2019             | 2020             | 20          |
|---------------------------------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|
|                                       | <b>1 PRE 9/11 SECURITY</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 2 Labor (Included in A&GE Total)      | 1,510,000                  | 1,555,000        | 1,555,000        | 1,602,000        | 1,650,000        | 1,700,000        | 1,751,000        | 1,804,000        | 1,858,000        | 1,914,000        | 1,914,000        | 1.9         |
| Security Contract                     |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 3 (Included in Visitor Services)      | 480,000                    | 500,000          | 500,000          | 515,000          | 530,000          | 546,000          | 563,000          | 580,000          | 597,000          | 615,000          | 633,000          | 6           |
| 4 Total Pre 9/11 Security Costs       | 1,990,000                  | 2,055,000        | 2,055,000        | 2,117,000        | 2,180,000        | 2,246,000        | 2,314,000        | 2,384,000        | 2,455,000        | 2,529,000        | 2,547,000        | 2.5         |
| <b>5 POST 9/11 SECURITY</b>           |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 6 Included in A&GE Total              |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 7 Post 9/11 Labor [2]                 | 1,365,000                  | 1,400,000        | 1,400,000        | 1,442,000        | 1,485,000        | 1,530,000        | 1,576,000        | 1,623,000        | 1,672,000        | 1,672,000        | 1,672,000        | 1.7         |
| 8 Post 9/11 Security Contract [2]     | 2,039,000                  | 2,486,000        | 2,138,000        | 2,391,000        | 2,463,000        | 2,537,000        | 2,613,000        | 2,691,000        | 2,772,000        | 2,772,000        | 2,772,000        | 2.8         |
| 9 Subtotal                            | 3,404,000                  | 3,886,000        | 3,538,000        | 3,833,000        | 3,948,000        | 4,067,000        | 4,189,000        | 4,314,000        | 4,444,000        | 4,444,000        | 4,444,000        | 4.5         |
| 10 Included in Visitor Services Total |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |             |
| 11 Post 9/11 Security Contract        | 66,000                     | 70,000           | 18,000           | 19,000           | 20,000           | 21,000           | 22,000           | 23,000           | 24,000           | 24,000           | 24,000           |             |
| 12 Total Post 9/11                    | 3,470,000                  | 3,956,000        | 3,556,000        | 3,852,000        | 3,968,000        | 4,088,000        | 4,211,000        | 4,337,000        | 4,468,000        | 4,468,000        | 4,468,000        |             |
| <b>TOTAL SECURITY</b>                 | <b>5,460,000</b>           | <b>6,011,000</b> | <b>5,611,000</b> | <b>5,969,000</b> | <b>6,148,000</b> | <b>6,334,000</b> | <b>6,525,000</b> | <b>6,721,000</b> | <b>6,923,000</b> | <b>6,997,000</b> | <b>7,015,000</b> | <b>7.16</b> |

[2] Post 9/11 Security increases brought about by the 9/11/01 terrorist attacks (Federal Officers and Guards \$1,400,000; Security Contract \$2,800,000 for FY 2012)

Post 9/11 Security Contract projections are adjusted in FY 2012 due to completion and expected opening of the Colorado River bridge in November 2010. We anticipate only the Arizona check point will be closed and we have included funding for the Nevada check point for FY 2012 and the outyears. As our strategic plan for security beyond the closing of the bridge is finalized, there is an adjustment of the funding request: FY12 Proposed \$2,800,000 due to current and upcoming security defense plan. The FY 2012 non-reimbursable security costs result in a Post 9/11 security contract cost of \$2,556,000 (\$2.8M less \$244K non-reimb security costs). Based on the FY10 expenditures and outyears projections, an additional (\$400K) reduces the projected FY12 security contract costs to \$2,156,000.

**TEN YEAR OPERATING PLAN - SECURITY COSTS**

| <b>A&amp;GE</b>   |          | 2010         | 2011         | 2012         | Revised 2012 | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         |
|---|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|   |          | Actuals      | Estimates    |
| <b>Pre 9/11</b>   |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Labor   |          | \$ 1,629,121 | \$ 1,510,000 | \$ 1,555,000 | \$ 1,555,000 | \$ 1,602,000 | \$ 1,650,000 | \$ 1,700,000 | \$ 1,751,000 | \$ 1,804,000 | \$ 1,858,000 | \$ 1,914,000 | \$ 1,914,000 | \$ 1,914,000 |
| <b>Post 9/11</b>  |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Labor   | 1/       | \$ 1,523,615 | \$ 1,365,000 | \$ 1,400,000 | \$ 1,400,000 | \$ 1,442,000 | \$ 1,485,000 | \$ 1,530,000 | \$ 1,576,000 | \$ 1,623,000 | \$ 1,672,000 | \$ 1,672,000 | \$ 1,672,000 | \$ 1,722,000 |
| Security Contract   | 1/       | \$ 3,106,843 | \$ 2,039,000 | \$ 2,486,000 | \$ 2,138,000 | \$ 2,561,000 | \$ 2,638,000 | \$ 2,717,000 | \$ 2,799,000 | \$ 2,883,000 | \$ 2,969,000 | \$ 2,969,000 | \$ 2,969,000 | \$ 3,058,000 |
|   | Subtotal | \$ 4,630,458 | \$ 3,404,000 | \$ 3,886,000 | \$ 3,538,000 | \$ 4,003,000 | \$ 4,123,000 | \$ 4,247,000 | \$ 4,375,000 | \$ 4,506,000 | \$ 4,641,000 | \$ 4,641,000 | \$ 4,641,000 | \$ 4,780,000 |
| <b>Total A&amp;GE - Security Costs</b>  |          | \$ 6,259,579 | \$ 4,914,000 | \$ 5,441,000 | \$ 5,093,000 | \$ 5,605,000 | \$ 5,773,000 | \$ 5,947,000 | \$ 6,126,000 | \$ 6,310,000 | \$ 6,499,000 | \$ 6,555,000 | \$ 6,555,000 | \$ 6,694,000 |
| <b>Visitor Center</b>   |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| <b>Pre 9/11</b>   |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Security Contract   |          | \$ 511,675   | \$ 480,000   | \$ 500,000   | \$ 500,000   | \$ 515,000   | \$ 530,000   | \$ 546,000   | \$ 563,000   | \$ 580,000   | \$ 597,000   | \$ 615,000   | \$ 633,000   | \$ 652,000   |
| <b>Post 9/11</b>  |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Security Contract   |          | \$ 214,139   | \$ 66,000    | \$ 70,000    | \$ 18,000    | \$ 19,000    | \$ 20,000    | \$ 21,000    | \$ 22,000    | \$ 23,000    | \$ 24,000    | \$ 24,000    | \$ 24,000    | \$ 25,000    |
| <b>Total Visitor Center - Security Costs</b>  |          | \$ 725,814   | \$ 546,000   | \$ 570,000   | \$ 518,000   | \$ 534,000   | \$ 550,000   | \$ 567,000   | \$ 585,000   | \$ 603,000   | \$ 621,000   | \$ 639,000   | \$ 657,000   | \$ 677,000   |
| <b>Total Security Costs</b>   |          | \$ 6,985,393 | \$ 5,460,000 | \$ 6,011,000 | \$ 5,611,000 | \$ 6,139,000 | \$ 6,323,000 | \$ 6,514,000 | \$ 6,711,000 | \$ 6,913,000 | \$ 7,120,000 | \$ 7,194,000 | \$ 7,212,000 | \$ 7,371,000 |
| 1/ Post 9/11 Security increases brought about by the 9/11/01 terrorist attacks (Federal Officers and Guards \$1,400,000; Security Contract \$2,800,000 for FY 2012). Adjustment in Post 9/11 Security Contract is expected in FY 2011 due to completion and expected opening of the Colorado River Bridge in 2010. The Arizona check point is now closed and we have included funding for the Nevada check point for FY 2011 and the outyears. The projected further reduction of \$400,000 for FY12 Post 9/11 security costs decreases the total contract estimate to \$2,156,000, reducing the previous adjusted estimate of \$2,556,000. |          |              |              |              |              |              |              |              |              |              |              |              |              |              |
| <b>Subtotal Pre 9/11</b>  |          | \$ 2,140,796 | \$ 1,990,000 | \$ 2,055,000 | \$ 2,055,000 | \$ 2,117,000 | \$ 2,180,000 | \$ 2,246,000 | \$ 2,314,000 | \$ 2,384,000 | \$ 2,455,000 | \$ 2,529,000 | \$ 2,547,000 | \$ 2,566,000 |
| <b>Subtotal Post 9/11</b>   |          | \$ 4,844,597 | \$ 3,470,000 | \$ 3,956,000 | \$ 3,556,000 | \$ 4,022,000 | \$ 4,143,000 | \$ 4,268,000 | \$ 4,397,000 | \$ 4,529,000 | \$ 4,665,000 | \$ 4,665,000 | \$ 4,665,000 | \$ 4,805,000 |
| <b>Total Security Costs</b>   |          | \$ 6,985,393 | \$ 5,460,000 | \$ 6,011,000 | \$ 5,611,000 | \$ 6,139,000 | \$ 6,323,000 | \$ 6,514,000 | \$ 6,711,000 | \$ 6,913,000 | \$ 7,120,000 | \$ 7,194,000 | \$ 7,212,000 | \$ 7,371,000 |