Final Report

Agricultural Water Delivery User Charges Cost of Service Study

Byron Bethany Irrigation District

March 2016



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Agricultural Water Delivery User Charges Cost of Service Study

Background

Byron Bethany Irrigation District (BBID) charges for agricultural water delivery using a uniform rate per acrefoot. The current charge, \$20 per acre-foot, has been in place for several years. There have two recent issues that have impacted the District's finances and compel the District to look at increasing the revenue generated from agricultural water deliveries. First, portions of the town of Discovery Bay detached from the BBID service area. This area had generated \$685,000 in tax revenue for the District. Second, the litigation with the California State Water Resources Control Board is expected to incur significant legal expenses. This study examines the cost of service for delivering agricultural water.

Methodology

This cost of service study follows the principles of cost of service rate-making espoused in the American Water Works Association (AWWA) Principles of Water Rates, Fees, and Charges, sixth edition, 2012. This publication is the industry standard for rate making. The manual describes three categories of technical analysis that are required. These are described below.

- Revenue Requirements Analysis—compares the revenues of the utility to its operating and capital costs to determine the adequacy of the existing rates to recover the utility's cost. This study uses the cash needs approach to determine revenue requirements typically used by government owned utilities (as opposed to investor owned utilities).
- Cost-of-Service Analysis—allocates the revenue requirements to the customer classes of service in a fair and equitable manner. *This is also a key component of the Proposition 218 requirements.*
- Rate Design Analysis—considers the level and structure of the rate design to collect the revenue requirements. This can also consider public input, impacts on water conservation and efficient use, and revenue stability.

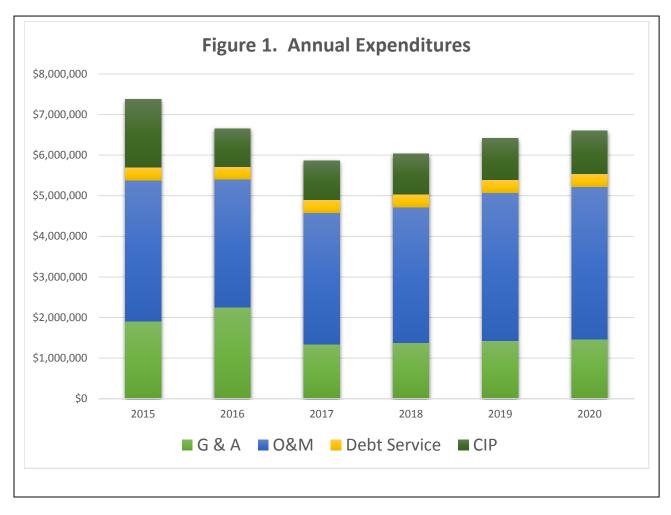
In California, once a new rate is proposed, it needs to follow the approval process outlined in Proposition 218, which was adopted in 1996 and provides the opportunity for the public to protest changes to any property related fees and rates. A proposed increase to the water rate may be put in place unless the District receives protests from a majority of the parcel owners who use the water (50 percent plus 1).

Revenue Requirements

Revenue requirements for a cost of service study are typically determined by adding operating expenditures, debt service, and any pay-as-you-go capital to be financed by rates, and then subtracting non-rate revenue. Non rate revenue includes water transfers, property taxes, and other miscellaneous revenues. The components of the revenue requirements are described below. The financial information shows last year's expenditures, the final 2016 budget, and projected expenditures through 2020.

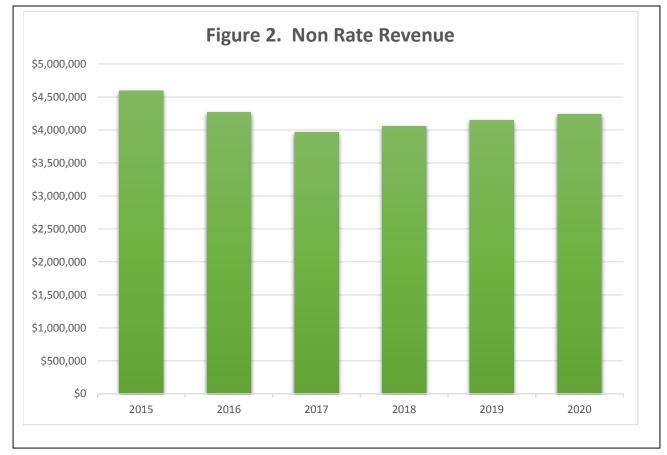
Expenditures

BBID operating expenditures are summarized in Table 1 (tables are attached at the end of the report) and Figure 1. O&M is the main major annual expenditure. G&A expenses increase in 2016 because of the litigation costs, but are assumed to drop in 2017. The CIP is projecting lower expenditures going forward than the 2015 expenditures.



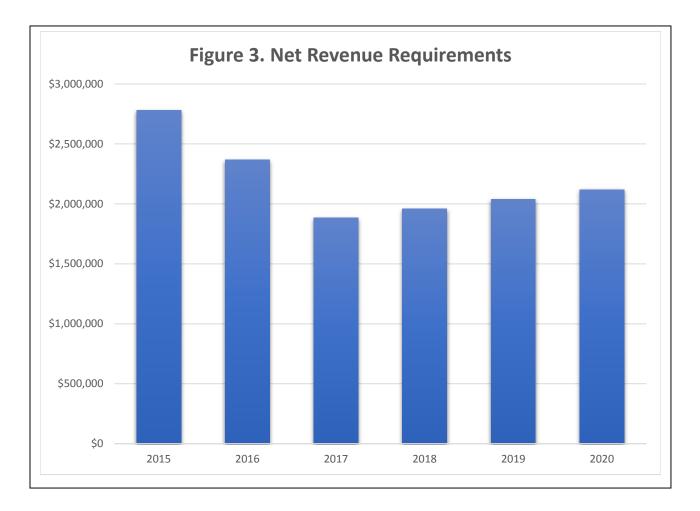
Other Revenues

Table 2 and Figure 2 show the expected revenue from non-rate sources for the District. The majority (over 80%) of the non-rate revenue is from property taxes. Due to the detachment of portions of the Town of Discovery Bay, the tax revenue from Contra Costa County was reduced. It is expected that the District will lose half the revenue in 2016, and the full revenue by 2017. Therefore the Contra Costa tax revenue was reduced by \$340,000 in 2016, and \$685,000 in 2017.



Net Revenue Requirements

The net revenue requirements are summarized in Table 3. Figure 3 compares the total expenditures to the total non-rate revenues. The net revenue requirements were very high in 2015 with higher than planned CIP and having to purchase water. Net revenue requirements will still be high in 2016 because of the litigation costs and loss of Contra Costa tax revenues.



Expected Water Deliveries

Table 4 shows the expected water deliveries in 2016. While deliveries were down substantially in 2015 because of the drought, it is anticipated that deliveries will be 23,500 acre-feet in 2016.

Cost of Service and Rate Design

The current rate structure for the District is a uniform rate. This rate structure is compliant with the Water Conservation Act of 2009, SBX 7-7. Excerpts from the Act are shown below.

10608.48 (b) Agricultural water suppliers shall implement all of the following critical efficient management practices,

(1) Measure the volume of water delivered to customers...

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

The District's non-rate revenue typically more than covers its fixed costs such as the CIP, debt service, and general and administrative costs. Therefore the remaining revenue is recovered with a volumetric charge on a per acre-foot basis.

Recommended Rates

The proposed 2016 rate is \$102 per acre-foot. Table 5 shows the rates for 2016 through 2020.

| 12/31/15 0.11 Used in COS Rate GENERAL & ADMINISTRATIVE Salaries/Benefits General Manager 204,143 204,143 204,143 3% 210,267 2' Admin Support Staff 58,867 105,000 95,000 3% 97,850 11 Director of Business Admin 102,741 99,749 105,823 105,823 3% 108,998 1' Admin Other Compensation 36,364 50,000 50,000 3% 51,500 2' Admin Pension Fund - 401A 11,700 10,800 18,600 3% 19,158 2' Admin Pension Fund - 401A 11,700 10,800 18,600 3% 2,472 Admin Dental Insurance 1,295 1,500 2,400 2,400 3% 918 Admin Vision Insurance 668 840 891 891 3% 28,840 2' Admin Netirement (PERS) 15,364 25,000 28,000 3,100 3,103 3,193 | | | |
|---|-------------|-----------|---------|
| General Manager 204,143 204,143 204,143 204,143 3% 210,267 2 Admin Support Staff 58,867 105,000 95,000 95,000 3% 97,850 10 Director of Business Admin 102,741 99,749 105,823 105,823 3% 108,998 11 Admin Other Compensation 36,364 50,000 50,000 50,000 3% 51,500 4 Admin Pension Fund - 401A 11,700 10,800 18,600 18,600 3% 19,158 4 Admin Pension Fund - 401A 11,700 10,800 18,600 18,600 3% 19,158 4 Admin Pension Fund - 401A 11,700 10,800 37,313 37,313 3% 38,433 3 Admin Dental Insurance 1,295 1,500 2,400 2,400 3% 2,472 Admin Norker's Comp 3,082 3,000 3,100 3,100 3% 3,193 Admin Medicare 6,121 5,693 6,000 | 2018 201 | 2019 | 2020 |
| Admin Support Staff58,867105,00095,00095,00095,0003%97,85010Director of Business Admin102,74199,749105,823105,8233%108,9981Admin Other Compensation36,36450,00050,00050,0003%51,5003Admin Pension Fund - 401A11,70010,80018,60018,6003%19,158Admin Health Insurance25,38325,00037,31337,3133%38,4333Admin Dental Insurance1,2951,5002,4003%2,472Admin Vision Insurance6688408918913%918Admin Worker's Comp3,0823,0003,1003,1003%3,193Admin Medicare6,1215,6936,0006,0003%6,180Admin Life Insurance8821,2979009003%2,163Admin Life Insurance1,2001,2001,2003%2,163Admin Engleyee Relations1854004004003%1,236Admin Employee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax93300300300300300300 | | | |
| Director of Business Admin102,74199,749105,823105,8233%108,9981Admin Other Compensation36,36450,00050,00050,0003%51,5004Admin Pension Fund - 401A11,70010,80018,60018,6003%19,158Admin Health Insurance25,38325,00037,31337,3133%38,4333Admin Dental Insurance1,2951,5002,4002,4003%24,472Admin Vision Insurance6688408918913%918Admin Verker's Comp3,0823,0003,1003,1003%3,193Admin Nocial Security19,61824,34126,00026,0003%26,7802Admin Life Insurance6,1215,6936,0006,0003%927Admin Life Insurance8821,2979009003%2,163Admin Life Insurance1,2001,2001,2003%2,163Admin Engloyee Relations1854004003%4,12Admin Employeent Insurance3,7275,0005,0005,0003%5,150State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax93300300300300300300300 | 216,575 223 | 5 223,073 | 229,765 |
| Admin Other Compensation36,36450,00050,00050,0003%51,500Admin Pension Fund - 401A11,70010,80018,60018,6003%19,158Admin Health Insurance25,38325,00037,31337,3133%38,4333Admin Dental Insurance1,2951,5002,4002,4003%2,472Admin Vision Insurance6688408918913%918Admin Verker's Comp3,0823,0003,1003,1003%26,780Admin Medicare6,1215,6936,00026,0003%26,780Admin Life Insurance8821,2979009003%2,163Admin Lorgevity2,1001,5002,1003%2,163Admin Enployee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax93300300300300300300300 | 100,786 103 | 6 103,809 | 106,923 |
| Admin Pension Fund - 401A11,70010,80018,60018,6003%19,158Admin Health Insurance25,38325,00037,31337,3133%38,4333Admin Dental Insurance1,2951,5002,4002,4003%2,472Admin Vision Insurance6688408918913%918Admin Retirement (PERS)15,36425,00028,00028,0003%28,8402Admin Worker's Comp3,0823,0003,1003,1003%26,7802Admin Social Security19,61824,34126,00026,0003%26,7802Admin Life Insurance6,1215,6936,0006,0003%6,180Admin Longevity2,1001,2002,1003%2,163Admin Employee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax93300300300300300300 | 112,268 115 | 8 115,636 | 119,105 |
| Admin Health Insurance 25,383 25,000 37,313 37,313 3% 38,433 3% Admin Dental Insurance 1,295 1,500 2,400 2,400 3% 2,472 Admin Vision Insurance 668 840 891 891 3% 918 Admin Vision Insurance 668 840 891 891 3% 28,840 28,900 Admin Retirement (PERS) 15,364 25,000 28,000 3% 3,193 3,193 Admin Worker's Comp 3,082 3,000 3,100 3,100 3% 3,193 Admin Medicare 6,121 5,693 6,000 26,000 3% 26,780 28 Admin Life Insurance 882 1,297 900 900 3% 2,163 Admin Longevity 2,100 1,500 2,100 3% 2,163 Admin Longevity 2,100 1,200 1,200 3% 412 Admin Engloyee Relations 185 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5 | 53,045 54 | 5 54,636 | 56,275 |
| Admin Dental Insurance 1,295 1,500 2,400 3% 2,472 Admin Vision Insurance 668 840 891 891 3% 918 Admin Vision Insurance 668 840 891 891 3% 918 Admin Retirement (PERS) 15,364 25,000 28,000 3% 28,840 28 Admin Worker's Comp 3,082 3,000 3,100 3,100 3% 3,193 Admin Social Security 19,618 24,341 26,000 26,000 3% 26,780 28 Admin Medicare 6,121 5,693 6,000 6,000 3% 6,180 Admin Life Insurance 882 1,297 900 900 3% 2,163 Admin Longevity 2,100 1,500 2,100 3% 2,163 Admin Engloyee Relations 185 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 3% 309< | 19,733 20 | 3 20,325 | 20,934 |
| Admin Vision Insurance 668 840 891 891 3% 918 Admin Retirement (PERS) 15,364 25,000 28,000 28,000 3% 28,840 2 Admin Worker's Comp 3,082 3,000 3,100 3,100 3% 3,193 Admin Social Security 19,618 24,341 26,000 3% 26,780 2 Admin Medicare 6,121 5,693 6,000 6,000 3% 6,180 Admin Life Insurance 882 1,297 900 900 3% 2,163 Admin Longevity 2,100 1,500 2,100 3% 2,163 Admin Pesticide 1,200 1,200 1,200 3% 4,12 Admin Employee Relations 185 400 400 3% 4,12 State Unemployment Insurance 3,727 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 300 3% 309 <td>39,586 40</td> <td>6 40,773</td> <td>41,996</td> | 39,586 40 | 6 40,773 | 41,996 |
| Admin Retirement (PERS)15,36425,00028,00028,0003%28,84026,780< | 2,546 2 | 6 2,623 | 2,701 |
| Admin Worker's Comp 3,082 3,000 3,100 3,100 3% 3,193 Admin Social Security 19,618 24,341 26,000 3% 26,780 2 Admin Medicare 6,121 5,693 6,000 6,000 3% 6,180 Admin Life Insurance 882 1,297 900 900 3% 2,163 Admin Longevity 2,100 1,500 2,100 3% 2,163 Admin Engloyee Relations 185 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 300 300 | 945 | 5 973 | 1,003 |
| Admin Social Security19,61824,34126,00026,0003%26,78026Admin Medicare6,1215,6936,0006,0003%6,180Admin Life Insurance8821,2979009003%927Admin Longevity2,1001,5002,1002,1003%2,163Admin Pesticide1,2001,2001,2003%1,236Admin Employee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax933003003003%309 | 29,705 30 | 5 30,596 | 31,514 |
| Admin Medicare6,1215,6936,0006,0003%6,180Admin Life Insurance8821,2979009003%927Admin Longevity2,1001,5002,1002,1003%2,163Admin Pesticide1,2001,2001,2001,2003%1,236Admin Employee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax933003003003%309 | 3,289 3 | 9 3,387 | 3,489 |
| Admin Life Insurance 882 1,297 900 900 3% 927 Admin Longevity 2,100 1,500 2,100 2,100 3% 2,163 Admin Pesticide 1,200 1,200 1,200 1,200 3% 1,236 Admin Employee Relations 185 400 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 3% 309 | 27,583 28 | 3 28,411 | 29,263 |
| Admin Longevity2,1001,5002,1002,1003%2,163Admin Pesticide1,2001,2001,2001,2003%1,236Admin Employee Relations1854004004003%412State Unemployment Insurance3,7275,0005,0005,0003%5,150State Employee. Training Tax933003003003003%309 | 6,365 6 | 6,556 | 6,753 |
| Admin Pesticide 1,200 1,200 1,200 1,200 3% 1,236 Admin Employee Relations 185 400 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 3% 309 | 955 | 5 983 | 1,013 |
| Admin Employee Relations 185 400 400 400 3% 412 State Unemployment Insurance 3,727 5,000 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 3% 309 | 2,228 2 | 2,295 | 2,364 |
| State Unemployment Insurance 3,727 5,000 5,000 5,000 3% 5,150 State Employee. Training Tax 93 300 300 300 3% 309 | 1,273 1 | 3 1,311 | 1,351 |
| State Employee. Training Tax 93 300 300 300 3% 309 | 424 | 4 437 | 450 |
| | 5,305 5 | 5 5,464 | 5,628 |
| Admin-Employee Assist Program 91 95 100 100 3% 103 | 318 | 8 328 | 338 |
| | 106 | 6 109 | 113 |
| Subtotal G&A Salaries & Benefits 493,625 564,857 587,271 587,271 604,889 62 | 623,036 641 | 6 641,727 | 660,978 |

| | GENE | ERAL & ADM | INISTRATIVE | Expenses | | | | | |
|--------------------------------|----------|------------|-------------|-----------|----|---------|---------|---------|--------|
| Office Supplies | 3,326.20 | 3,500.00 | 3,500.00 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,93 |
| Payroll Services | 4,135 | 4,500 | 4,200 | 4,200 | 3% | 4,326 | 4,456 | 4,589 | 4,72 |
| Postage | 1,800 | 1,500 | 2,100 | 2,100 | 3% | 2,163 | 2,228 | 2,295 | 2,36 |
| Printing, Forms, Maps | 996 | 1,100 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,68 |
| Notary Expense | - | 750 | - | - | 3% | - | - | - | - |
| Printing (Legal) | 429 | 650 | 1,000 | 1,000 | 3% | 1,030 | 1,061 | 1,093 | 1,12 |
| Landline Telephone | 6,902 | 6,300 | 6,500 | 6,500 | 3% | 6,695 | 6,896 | 7,103 | 7,31 |
| Bank Fees | 2,287 | 3,000 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,81 |
| Trustee Fees | 2,045 | 3,000 | 2,045 | 2,045 | 3% | 2,106 | 2,170 | 2,235 | 2,30 |
| Employee Assist Program-Dir | 211 | 213 | 215 | 215 | 3% | 221 | 228 | 235 | 24 |
| Admin Auto & Liability Program | 20,397 | 18,000 | 22,000 | 22,000 | 3% | 22,660 | 23,340 | 24,040 | 24,76 |
| Property Insurance | 18,766 | 20,000 | 25,000 | 25,000 | 3% | 25,750 | 26,523 | 27,318 | 28,13 |
| Business Systems/Services | 9,143 | 11,000 | 11,000 | 11,000 | 3% | 11,330 | 11,670 | 12,020 | 12,38 |
| Retiree's Health Insurance | 34,090 | 35,000 | 37,000 | 37,000 | 3% | 38,110 | 39,253 | 40,431 | 41,64 |
| Directors Fees/Expenses | 14,901 | 8,500 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,88 |
| Directors Benefits | 145,770 | 148,000 | 150,000 | 150,000 | 3% | 154,500 | 159,135 | 163,909 | 168,82 |
| District Official's Expense | 32,453 | 22,000 | 35,000 | 35,000 | 3% | 36,050 | 37,132 | 38,245 | 39,39 |
| Legal Services | 771,483 | 55,000 | 1,000,000 | 1,000,000 | 3% | 50,000 | 51,500 | 53,045 | 54,63 |
| Legal Services (CVPSA) | 686 | 10,000 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,68 |
| Legal-Development Services | 19,104 | | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,81 |
| Auditing | 12,750 | 13,250 | 13,000 | 13,000 | 3% | 13,390 | 13,792 | 14,205 | 14,63 |
| Actuarial Services | - | 1,200 | 1,200 | 1,200 | 3% | 1,236 | 1,273 | 1,311 | 1,35 |
| Election | 120 | - | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,8 |
| Record Retention Program | - | 1,000 | 650 | 650 | 3% | 670 | 690 | 710 | 7 |
| Permits & Dues & Subscriptions | 38,228 | 30,000 | 40,000 | 40,000 | 3% | 41,200 | 42,436 | 43,709 | 45,0 |
| Admin Cont. Education | 426 | 3,000 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,6 |
| Recording Fees | 300 | 500 | 1,250 | 1,250 | 3% | 1,288 | 1,326 | 1,366 | 1,4 |

| | Actual to 12/31/15 | 2015 Approved | 2016 Final | 2016 Charges Used in COS | Escalation Rate | 2017 | 2018 | 2019 | 2020 |
|-----------------------------------|--------------------|---------------|------------|-----------------------------|--------------------|-----------|-----------|-----------|-----------|
| Interest Expense | 138,574 | | 150,000 | 150,000 | 3% | 154,500 | 159,135 | 163,909 | 168,826 |
| Hardware/Software | 11,801 | 15,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Public Outreach/Prop 218 | 70,566 | 7,000 | 80,000 | 80,000 | 3% | 82,400 | 84,872 | 87,418 | 90,041 |
| Website | 33,883 | 7,500 | 25,000 | 25,000 | 3% | 25,750 | 26,523 | 27,318 | 28,138 |
| Human Resources Consulting | 11,824 | 15,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Subtotal G&A Expenses | 1,407,398 | 445,463 | 1,667,660 | 1,667,660 | | 737,690 | 759,820 | 782,615 | 806,094 |
| Subtotal General & Administrative | 1,901,023 | 1,010,320 | 2,254,931 | 2,254,931 | | 1,342,579 | 1,382,856 | 1,424,342 | 1,467,072 |

| | OPERAT | IONS & MAIN | TENANCE | Salaries/Bene | fits | | | | |
|-----------------------------------|---------|-------------|-----------|---------------|------|-----------|-----------|-----------|-----------|
| O&M Assistant General Manager | 103,000 | 103,000 | 106,090 | 106,090 | 3% | 109,273 | 112,551 | 115,927 | 119,405 |
| O&M Employee Relations | - | 1,000 | 1,000 | 1,000 | 3% | 1,030 | 1,061 | 1,093 | 1,126 |
| O&M WWTF Chief Operator | 35,625 | 42,000 | 36,000 | 36,000 | 3% | 37,080 | 38,192 | 39,338 | 40,518 |
| O&M Labor Full Time | 383,851 | 500,000 | 500,000 | 500,000 | 3% | 515,000 | 530,450 | 546,364 | 562,754 |
| O&M Labor, New Position | | | 63,000 | 63,000 | 3% | 64,890 | 66,837 | 68,842 | 70,907 |
| O&M Labor, 3 New Positions | | | | | 3% | | | 206,525 | 212,721 |
| O&M Part Time Labor | 16,002 | 15,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| O&M Other Compensation | 74,488 | 70,000 | 75,000 | 75,000 | 3% | 77,250 | 79,568 | 81,955 | 84,413 |
| O&M Health Insurance | 91,632 | 148,587 | 150,000 | 150,000 | 3% | 154,500 | 159,135 | 163,909 | 168,826 |
| O&M Dental Insurance | 3,919 | 5,000 | 6,600 | 6,600 | 3% | 6,798 | 7,002 | 7,212 | 7,428 |
| O&M Vision Insurance | 1,708 | 2,227 | 2,100 | 2,100 | 3% | 2,163 | 2,228 | 2,295 | 2,364 |
| D&M Retirement (PERS) | 43,680 | 40,000 | 45,000 | 45,000 | 3% | 46,350 | 47,741 | 49,173 | 50,648 |
| O&M Worker's Comp. | 33,987 | 32,000 | 35,000 | 35,000 | 3% | 36,050 | 37,132 | 38,245 | 39,393 |
| O&M Medicare | 10,321 | 10,000 | 12,000 | 12,000 | 3% | 12,360 | 12,731 | 13,113 | 13,506 |
| O&M Social Security | 44,013 | 42,000 | 45,000 | 45,000 | 3% | 46,350 | 47,741 | 49,173 | 50,648 |
| O&M Life Insurance | 1,294 | 1,500 | 2,000 | 2,000 | 3% | 2,060 | 2,122 | 2,185 | 2,251 |
| O&M Longevity | 2,654 | 4,000 | 4,000 | 4,000 | 3% | 4,120 | 4,244 | 4,371 | 4,502 |
| O&M Pesticide | 600 | 600 | 600 | 600 | 3% | 618 | 637 | 656 | 675 |
| O&M Overtime | 95,443 | 50,000 | 75,000 | 75,000 | 3% | 77,250 | 79,568 | 81,955 | 84,413 |
| O&M Employee Assistance Program | 231 | 420 | 420 | 420 | 3% | 433 | 446 | 459 | 473 |
| ubtotal O&M Salaries and Benefits | 942,448 | 1,067,334 | 1,173,810 | 1,173,810 | | 1,209,024 | 1,245,295 | 1,489,179 | 1,533,855 |

| OPER | OPERATIONS & MAINTENANCE | | | | Pumping/Supply/O&M, Engineering | | | | | | |
|--|--------------------------|--------|--------|--------|---------------------------------|--------|--------|--------|-------|--|--|
| By-Beth Service Areas Supplemental Water | 668,582 | - | - | | | | | | | | |
| | | | | - | 3% | - | - | - | - | | |
| CVPSA Reschedule Fees | 4,284 | - | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,62 | | |
| CVPSA BOR AG | 45,230 | - | - | - | 3% | - | - | - | - | | |
| CVPSA M/I | 27,913 | - | - | - | 3% | - | - | - | - | | |
| CVPSA Restoration (M&I) | 16,319 | - | - | - | 3% | - | - | - | - | | |
| CVPSA Restoration (Ag) | 5,826 | - | - | - | 3% | - | - | - | - | | |
| SLDMWA O&M | 62,388 | - | - | - | 3% | - | - | - | - | | |
| USBR Trinity PUD Assess REIMB | 689 | - | - | - | 3% | - | - | - | - | | |
| O&M Auto & General Liability | 30,596 | 26,000 | 30,000 | 30,000 | 3% | 30,900 | 31,827 | 32,782 | 33,76 | | |
| Transformer Maintenance | 2,650 | 5,000 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,62 | | |
| Maintenance Trans. Lines/Poles | - | 15,000 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,6 | | |
| Pump Control Panels | 260 | 8,000 | 3,500 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,9 | | |
| Sub-Station | - | 10,000 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,8 | | |

| Demany inigation District | | | | | | | | | |
|-----------------------------------|--------------------|---------------|------------|-----------------------------|--------------------|---------|---------|---------|---------|
| | Actual to 12/31/15 | 2015 Approved | 2016 Final | 2016 Charges Used in COS | Escalation Rate | 2017 | 2018 | 2019 | 2020 |
| SLDWMA Membership Assessment | 89,216 | 103,000 | 110,000 | 110,000 | 3% | 113,300 | 116,699 | 120,200 | 123,806 |
| Electrical Engineering Services | 2,517 | 7,500 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| SWRCB User Fee (CVPSA) | 16,158 | 16,000 | 18,000 | 18,000 | 3% | 18,540 | 19,096 | 19,669 | 20,259 |
| Supplemental Water (CVPSA) | 434,396 | - | 500,000 | 500,000 | 3% | 515,000 | 530,450 | 546,364 | 562,754 |
| Pump/Motor Maintenance | 8,910 | 7,000 | 9,000 | 9,000 | 3% | 9,270 | 9,548 | 9,835 | 10,130 |
| Pump/Motor Maintenance (CVPSA) | 1,205 | 2,500 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,688 |
| Pump/Motor Maintenance (RWSA1) | - | 6,000 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| Pump/Motor Lube | 39 | 750 | 3,000 | 3,000 | 3% | 3,090 | 3,183 | 3,278 | 3,377 |
| Pump/Motor Lube (CVPSA) | - | 350 | - | - | 3% | - | - | - | - |
| SCADA/Telemetry-Auto Control | 9,549 | 20,000 | 20,000 | 20,000 | 3% | 20,600 | 21,218 | 21,855 | 22,510 |
| Motor Control Maintenance | 980 | 5,500 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Motor Control Maintenance (CVPSA) | - | 2,500 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| Motor Control Maintenance (RWSA1) | - | 2,500 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| PWRPA Lodi Energy Center | 40,068 | 20,000 | 40,000 | 40,000 | 3% | 41,200 | 42,436 | 43,709 | 45,020 |
| PG&E Power | 65,087 | 60,000 | 70,000 | 70,000 | 3% | 72,100 | 74,263 | 76,491 | 78,786 |
| PG&E Power (CVPSA) | 38,758 | 10,000 | 40,000 | 40,000 | 3% | 41,200 | 42,436 | 43,709 | 45,020 |
| Emergency Generators | 11,401 | 6,000 | 12,000 | 12,000 | 3% | 12,360 | 12,731 | 13,113 | 13,506 |
| WAPA Power | 141,985 | 200,000 | 150,000 | 150,000 | 3% | 154,500 | 159,135 | 163,909 | 168,826 |
| WAPA Restoration | 54,128 | 60,000 | 60,000 | 60,000 | 3% | 61,800 | 63,654 | 65,564 | 67,531 |
| Bond Continuing Disclosure | 1,500 | - | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,688 |
| Canal Maintenance | 13,335 | 12,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Station Maintenance | 3,322 | 20,000 | 10,000 | 10,000 | 3% | 10,300 | 10,609 | 10,927 | 11,255 |
| Laterals/Structures | 8,807 | 25,000 | 10,000 | 10,000 | 3% | 10,300 | 10,609 | 10,927 | 11,255 |
| Laterals/Structures (CVPSA) | 9,265 | 3,000 | 10,000 | 10,000 | 3% | 10,300 | 10,609 | 10,927 | 11,255 |
| Material/Hardware/Fasteners | 7,491 | 6,500 | 7,500 | 7,500 | 3% | 7,725 | 7,957 | 8,195 | 8,441 |
| Sub laterals/Pipelines | 6,568 | 20,000 | 20,000 | 20,000 | 3% | 20,600 | 21,218 | 21,855 | 22,510 |
| Canal Gate Maintenance | 19,248 | 15,000 | 25,000 | 25,000 | 3% | 25,750 | 26,523 | 27,318 | 28,138 |
| Canal Gate Maintenance (CVPSA) | 1,445 | 2,000 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,688 |
| Surface Drains | 7,691 | 15,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Tile Drains | 34,774 | 10,000 | 20,000 | 20,000 | 3% | 20,600 | 21,218 | 21,855 | 22,510 |
| Canal Crossings | 778 | 10,000 | 3,500 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,939 |
| Communications | 16,007 | 20,000 | 20,000 | 20,000 | 3% | 20,600 | 21,218 | 21,855 | 22,510 |
| Small Tools & Equipment | 5,702 | 7,000 | 5,500 | 5,500 | 3% | 5,665 | 5,835 | 6,010 | 6,190 |
| Building Maintenance | 3,008 | 8,500 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Grounds Maintenance | 19,393 | 20,000 | 28,000 | 28,000 | 3% | 28,840 | 29,705 | 30,596 | 31,514 |
| Fire System | 5,164 | 7,000 | 7,000 | 7,000 | 3% | 7,210 | 7,426 | 7,649 | 7,879 |
| Security System | 7,195 | 5,000 | 7,500 | 7,500 | 3% | 7,725 | 7,957 | 8,195 | 8,441 |
| HVAC Service Supplies | 3,176 | 5,000 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Janitorial Services/Supply | 16,441 | 20,000 | 20,000 | 20,000 | 3% | 20,600 | 21,218 | 21,855 | 22,510 |
| Pest Management | 770 | 940 | 1,000 | 1,000 | 3% | 1,030 | 1,061 | 1,093 | 1,126 |
| Uniforms/Clothing Allowance | 8,524 | 9,000 | 9,000 | 9,000 | 3% | 9,270 | 9,548 | 9,835 | 10,130 |
| Shop Supplies | 7,933 | 5,500 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Welding Shop & Supplies | 4,995 | 8,000 | 6,500 | 6,500 | 3% | 6,695 | 6,896 | 7,103 | 7,316 |
| Meter Shop | 78 | 1,000 | 1,000 | 1,000 | 3% | 1,030 | 1,061 | 1,093 | 1,126 |
| Vehicle Maintenance | 26,046 | 20,000 | 25,000 | 25,000 | 3% | 25,750 | 26,523 | 27,318 | 28,138 |
| Vehicle Warranty | 3,370 | - | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| Equipment Maint. | 18,167 | 12,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Fuel/Lube/Oil/Tires | 62,486 | 90,000 | 75,000 | 75,000 | 3% | 77,250 | 79,568 | 81,955 | 84,413 |
| Mileage Reimbursement | 1,271 | - | 1,200 | 1,200 | 3% | 1,236 | 1,273 | 1,311 | 1,351 |
| Waste Oil Disposal | 35 | - | 1,200 | 1,200 | 3% | 1,236 | 1,273 | 1,311 | 1,351 |
| | | | | | | | | | |

| on bounding inigation biothot | | | | | | | | | |
|-----------------------------------|-----------------------|---------------|------------|-----------------------------|--------------------|-----------|-----------|-----------|-----------|
| | Actual to 12/31/15 | 2015 Approved | 2016 Final | 2016 Charges Used in COS | Escalation Rate | 2017 | 2018 | 2019 | 2020 |
| Canal Fences | - | 4,000 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Rodent Control | - | 4,500 | - | - | 3% | - | - | - | - |
| Right of Way Weed Control | 47,796 | 30,000 | 50,000 | 50,000 | 3% | 51,500 | 53,045 | 54,636 | 56,275 |
| Right of Way Weed Control (CVPSA) | - | 1,500 | - | - | 3% | - | - | - | - |
| Weed Burning | 3,360 | 1,500 | 3,500 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,939 |
| Aquatic Weed Control | 136,540 | 100,000 | 150,000 | 150,000 | 3% | 154,500 | 159,135 | 163,909 | 168,826 |
| Road Maint. & Right of Way | 15,105 | 70,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| Water Quality Testing | 6,071 | 2,000 | 7,000 | 7,000 | 3% | 7,210 | 7,426 | 7,649 | 7,879 |
| Flow Meter Repairs | 11,064 | 2,500 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| Flow Meters & Repairs (CVPSA) | 7,552 | 1,000 | 1,000 | 1,000 | 3% | 1,030 | 1,061 | 1,093 | 1,126 |
| Safety Supplies/Equipment | 9,343 | 6,000 | 7,000 | 7,000 | 3% | 7,210 | 7,426 | 7,649 | 7,879 |
| Worker Safety Training | 3,034 | 6,000 | 3,500 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,939 |
| Physical Exams | 2,049 | 1,800 | 2,500 | 2,500 | 3% | 2,575 | 2,652 | 2,732 | 2,814 |
| Engineering | 76,128 | 65,000 | 100,000 | 100,000 | 3% | 103,000 | 106,090 | 109,273 | 112,551 |
| Eng/Water Conservation (CVPSA) | 166 | 15,000 | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| GSA Implementation | 113,224 | 35,000 | 110,000 | 110,000 | 3% | 113,300 | 116,699 | 120,200 | 123,806 |
| O&M Continuing Education | 1,847 | 4,000 | 4,000 | 4,000 | 3% | 4,120 | 4,244 | 4,371 | 4,502 |
| Permits/Licenses (CVPSA) | 100 | 6,000 | 6,000 | 6,000 | 3% | 6,180 | 6,365 | 6,556 | 6,753 |
| Propane Facilities | 2,531 | 4,500 | 4,500 | 4,500 | 3% | 4,635 | 4,774 | 4,917 | 5,065 |
| Refuse/Disposal | 3,142 | - | 3,500 | 3,500 | 3% | 3,605 | 3,713 | 3,825 | 3,939 |
| Bottled Water Service | 2,422 | 2,400 | 3,000 | 3,000 | 3% | 3,090 | 3,183 | 3,278 | 3,377 |
| Subtotal O&M Expenses | 2,544,593 | 1,333,740 | 1,974,400 | 1,974,400 | | 2,033,632 | 2,094,641 | 2,157,480 | 2,222,205 |
| Subtotal O&M | 3,487,042 | 2,401,074 | 3,148,210 | 3,148,210 | | 3,242,656 | 3,339,936 | 3,646,659 | 3,756,059 |
| TOTAL G&A and O&M | 5,388,065 | 3,411,394 | 5,403,141 | 5,403,141 | | 4,585,235 | 4,722,792 | 5,071,001 | 5,223,131 |

-

Shaded line items not included in user charges--these charges are pass throughs or otherwise reimbursed

Allocated Costs

| Shared | 5,182,641 | 4,358,120 | 4,488,864 | 4,623,530 | 4,762,235 |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| Byron Ag | - | - | - | - | - |
| Byron M&I | - | - | - | - | - |
| Bethany Ag | - | - | - | - | - |
| Mountain Hse | 5,000 | 5,150 | 5,305 | 5,464 | 5,628 |
| Mariposa Energy | - | - | - | - | - |
| Tracy Hills | - | - | - | - | - |
| | 5,187,641 | 4,363,270 | 4,494,168 | 4,628,993 | 4,767,863 |

Table 2Capital OutlaysByron Bethany Irrigation District

| | Actual to 12/31/15 | 2015 Approved | 2016 Final | 2016 Charges Used in COS | Escalation Rate | 2017 | 2018 | 2019 | 2020 |
|--|--------------------------|--|------------------------|--|--------------------|---|--|--|--|
| 2007 Lease Revenue Bonds Annual CIP Allowance | \$318,600 \$1,668,723 | | \$315,500 \$936,000 | \$315,500 \$936,000 | 3% | \$317,174 \$964,080 \$1,281,254 | \$318,400 \$993,002 \$1,311,402 | \$318,925 \$1,022,792 \$1,341,717 | . , , |
| | | Shared Byron Ag Byron M&I Bethany Ag Mountain Hse Mariposa Ene Tracy Hills | | \$1,251,500 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | | \$1,281,254 \$0 \$0 \$0 \$0 \$0 \$0 | \$1,311,402 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$1,341,717 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$1,372,401 \$0 \$0 \$0 \$0 \$0 \$0 \$0 |

Table 3 Non Rate Revenue Byron Bethany Irrigation District

ESTIMATED REVENUE

| ESTIMATED REVENUE | Actual to 12/31/15 | 2015 Approved | 2016 Final | 2016 Charges Used in COS | Escalation Rate | 2017 | 2018 | 2019 | 2020 |
|------------------------------------|-----------------------|---------------|------------|-----------------------------------|--------------------|-----------|-----------|-----------|-----------|
| Stand By Revenue | 79,774 | 120,000 | 120,000 | 120,000 | 3% | 123,600 | 127,308 | 131,127 | 135,061 |
| Sale of Fixed Assets | 5,800 | - | 3,000 | 3,000 | 3% | 3,090 | 3,183 | 3,278 | 3,377 |
| Customer Finance Charges | 31,485 | 20,000 | 20,000 | - | 3% | - | - | - | - |
| CVPSA Ag O&M Charge | 52,890 | 19,922 | 50,000 | 50,000 | 3% | 51,500 | 53,045 | 54,636 | 56,275 |
| CVPSA M&I O&M Charge | 195,847 | 93,259 | 195,000 | 195,000 | 3% | 200,850 | 206,876 | 213,082 | 219,474 |
| CVPSA M/I with Ag Alloc Charge | 8,295 | 11,819 | 8,000 | 8,000 | 3% | 8,240 | 8,487 | 8,742 | 9,004 |
| Alameda Property Tax Revenue | 514,872 | 455,156 | 500,000 | 500,000 | 3% | 515,000 | 530,450 | 546,364 | 562,754 |
| Contra Costa Property Tax Revenue | 1,015,958 | 911,911 | 685,000 | 685,000 | 2% | 298,700 | 304,674 | 310,767 | 316,983 |
| San Joaquin 46701 Zn2 Property Tax | 2,280,944 | 1,866,933 | 2,500,000 | 2,500,000 | 2% | 2,550,000 | 2,601,000 | 2,653,020 | 2,706,080 |
| Encroachment Permit Fee | 500 | - | 500 | 500 | 2% | 510 | 520 | 531 | 541 |
| Administration/Permit Fees | 6,028 | - | 500 | 500 | 3% | 515 | 530 | 546 | 563 |
| Interest on Bank Accounts | 35,388 | - | 32,000 | 32,000 | 3% | 32,960 | 33,949 | 34,967 | 36,016 |
| Reimburse SLDMWA Assess | 90,954 | - | - | - | 3% | - | - | - | - |
| PG&E Power (CVPSA) Reimbursed | 31,482 | - | 15,000 | 15,000 | 3% | 15,450 | 15,914 | 16,391 | 16,883 |
| O&M Labor Cost Recovery | 101,906 | 75,000 | 35,000 | 35,000 | 3% | 36,050 | 37,132 | 38,245 | 39,393 |
| Equipment Cost Recovery | 4,725 | 10,000 | 3,000 | 3,000 | 3% | 3,090 | 3,183 | 3,278 | 3,377 |
| O&M Materials Recovery | 31,527 | 10,000 | 1,500 | 1,500 | 3% | 1,545 | 1,591 | 1,639 | 1,688 |
| Engineering Recovery | 7,889 | 7,500 | 5,000 | 5,000 | 3% | 5,150 | 5,305 | 5,464 | 5,628 |
| Admin Labor Recovery | 14,850 | 15,000 | 12,000 | 12,000 | 3% | 12,360 | 12,731 | 13,113 | 13,506 |
| Reimburse Director's Benefit | 42,064 | - | 91,000 | 91,000 | 3% | 93,730 | 96,542 | 99,438 | 102,421 |
| Legal Cost Recovery | 42,170 | - | 10,000 | 10,000 | 3% | 10,300 | 10,609 | 10,927 | 11,255 |
| Other Income | 658 | 2,500 | 500 | 500 | 3% | 515 | 530 | 546 | 563 |
| TOTAL ESTIMATED REVENUE | 4,596,006 | 3,619,000 | 4,287,000 | 4,267,000 | | 3,963,155 | 4,053,558 | 4,146,102 | 4,240,842 |

| Shared | 4,072,000 |
|-----------------|-----------|
| Byron Ag | - |
| Byron M&I | - |
| Bethany Ag | - |
| Mountain Hse | - |
| Mariposa Energy | - |
| Tracy Hills | - |
| | 4,072,000 |
| | |

| 3,762,305 | 3,846,682 | 3,933,021 | 4,021,368 |
|-----------|-----------|-----------|-----------|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| | | | |
| - | - | - | - |
| - | - | - | - |
| 3,762,305 | 3,846,682 | 3,933,021 | 4,021,368 |

Table 4 Net Revenue Requirements Byron Bethany Irrigation District

| Revenue Requirement | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| O&M | | | | | | | | | | | |
| Shared | \$5,182,641 | \$4,358,120 | \$4,488,864 | \$4,623,530 | \$4,762,235 | \$4,905,102 | \$5,052,256 | \$5,203,823 | \$5,359,938 | \$5,520,736 | \$5,686,358 |
| Byron Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Bethany Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$5,187,641 | \$4,363,270 | \$4,494,168 | \$4,628,993 | \$4,767,863 | \$4,910,899 | \$5,058,226 | \$5,209,973 | \$5,366,272 | \$5,527,260 | \$5,693,078 |
| Capital | | | | | | | | | | | |
| Shared | \$1,251,500 | \$1,281,254 | \$1,311,402 | \$1,341,717 | \$1,372,401 | \$1,404,006 | \$1,436,558 | \$1,470,087 | \$1,503,491 | \$1,539,061 | \$1,575,699 |
| Byron Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Bethany Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$1,251,500 | \$1,281,254 | \$1,311,402 | \$1,341,717 | \$1,372,401 | \$1,404,006 | \$1,436,558 | \$1,470,087 | \$1,503,491 | \$1,539,061 | \$1,575,699 |
| Total Expenditures | \$6,439,141 | \$5,644,524 | \$5,805,571 | \$5,970,711 | \$6,140,264 | \$6,314,904 | \$6,494,784 | \$6,680,060 | \$6,869,762 | \$7,066,321 | \$7,268,777 |
| Less Non Rate Revenue | | | | | | | | | | | |
| Shared | \$4,072,000 | \$3,762,305 | \$3,846,682 | \$3,933,021 | \$4,021,368 | \$4,111,773 | \$4,204,285 | \$4,298,956 | \$4,395,838 | \$4,494,985 | \$4,596,452 |
| Byron Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Bethany Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$4,072,000 | \$3,762,305 | \$3,846,682 | \$3,933,021 | \$4,021,368 | \$4,111,773 | \$4,204,285 | \$4,298,956 | \$4,395,838 | \$4,494,985 | \$4,596,452 |
| Use of unencumbered cash | | | | | | | | | | | |
| Shared | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Byron Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Bethany Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Net Revenue Requirements | | | | | | | | | | | |
| Shared | \$2,362,141 | \$1,877,069 | \$1,953,584 | \$2,032,226 | \$2,113,269 | \$2,197,335 | \$2,284,528 | \$2,374,954 | \$2,467,590 | \$2,564,812 | \$2,665,606 |
| Byron Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 |
| Bethany Ag | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$2,367,141 | \$1,882,219 | \$1,958,888 | \$2,037,690 | \$2,118,896 | \$2,203,131 | \$2,290,498 | \$2,381,103 | \$2,473,924 | \$2,571,336 | \$2,672,326 |

Table 5 **Projected Water Use** Byron Bethany Irrigation District

| | 2016 | Growth Rate (%) | 2017 | 2018 | 2019 | 2020 |
|-----------------|--------|--------------------|--------|--------|--------|--------|
| Byron Ag | 12,653 | 0% | 12,653 | 12,653 | 12,653 | 12,653 |
| Byron M&I | 432 | 0% | 432 | 432 | 432 | 432 |
| Bethany Ag | 7,374 | 0% | 7,374 | 7,374 | 7,374 | 7,374 |
| Mountain House | 2,292 | 2% | 2,338 | 2,385 | 2,433 | 2,481 |
| Mariposa Energy | 99 | 0% | 99 | 99 | 99 | 99 |
| Tracy Hills | 500 | | 500 | 1,000 | 1,500 | 2,000 |
| Total | 23,350 | | 23,396 | 23,943 | 24,491 | 25,039 |

Table 6 Unit Costs of Service, per acre-foot Byron Bethany Irrigation District

| Description (a) | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Shared | | | | | |
| Revenue Requirement, \$ | \$2,362,141 | \$1,877,069 | \$1,953,584 | \$2,032,226 | \$2,113,269 |
| Water Use, af | 23,350 | 23,396 | 23,943 | 24,491 | 25,039 |
| Unit Cost of Service, \$/af | \$102 | \$81 | \$82 | \$83 | \$85 |
| Byron Ag | | | | | |
| Revenue Requirement, \$ | \$0 | \$0 | \$0 | \$0 | \$0 |
| Water Use, af | 12,653 | 12,653 | 12,653 | 12,653 | 12,653 |
| Unit Cost of Service, \$/af | \$0 | \$0 | \$0 | \$0 | \$0 |
| Bethany Ag | | | | | |
| Revenue Requirement, \$ | \$0 | \$0 | \$0 | \$0 | \$0 |
| Water Use, af | 7,374 | 7,374 | 7,374 | 7,374 | 7,374 |
| Unit Cost of Service, \$/af | \$0 | \$0 | \$0 | \$0 | \$0 |

a. Irrigation water rate is the sum of shared and irrigation only unit costs of service. RWSA-1 rate is the sum of shared and RWSA-1 only unit costs of service.

Table 7 Cost of Service Water Rates, per acre-foot Byron Bethany Irrigation District

| | 2016 | 2017 | 2018 | 2019 | 2020 |
|------------|-------|------|------|------|------|
| Byron Ag | \$102 | \$81 | \$82 | \$83 | \$85 |
| Bethany Ag | \$102 | \$81 | \$82 | \$83 | \$85 |