

## **Second Update to the Water Rate Analysis Reclamation District 2035**

To: Mike Hall, General Manager, Reclamation District 2035

From: Gary Reents, P.E.

Date: March 5, 2018

Subject: Second Update to Water Rate Analysis

### **Introduction**

The original Water Rate Analysis (Analysis) was prepared for Reclamation District 2035 (District) in January 2015. The Analysis defined the methodology for formulating water rates for the District by calculating both a Capacity Charge and a Volumetric Rate, which together comprise the Water Rate. The Capacity Charge recovers annual operating costs via a fixed charge per acre of land. The Volumetric Rate recovers the variable cost of water via a volumetric rate per acre-foot of water delivered. The reader should consult the original Analysis for background information regarding the Water Rate (Attachment 1).

In March 2016, the Update to Water Rate Analysis (First Update) was prepared at the District's request. The First Update used cost data from 2015 to update the Capacity Charge, and additional information regarding pumping and cost data from 2011 through 2015 to update the Volumetric Rate. The First Update is also attached for background information (Attachment 2).

This Second Update to Water Rate Analysis (Second Update) requested by the District will update the Capacity Charge based on the Board adopted fiscal year budgets, and the Volumetric Rate based on 2016/17 pumping data from the new intake facility. These two updated components will then be used to determine a new Water Rate for the District.

### **Capacity Charge**

The original Capacity Charge was calculated using actual operational expenses from fiscal year 2013/14. In addition, the rate also included annual expenses to create a contingency fund (\$83,333 per year) and an intake capital

replacement fund (\$88,333 per year). The calculated Capacity Charge was \$62.50 per acre.

The First Update used actual operational expenses from fiscal year 2014/15. The contingency fund balance established by RD 2035 had been met so the original expense of \$83,333 per year was discontinued. However, the capital replacement fund contribution of \$88,333 per year remained in place. The updated Capacity Charge calculated in the First Update was \$61.55 per acre.

For this Second Update, I recommend using the formal budget adopted by the District Board to determine the Capacity Charge. Using the adopted budget will better link the Capacity Charge directly to the proposed spending formally approved by the Board. The adopted budgets for the current and last two fiscal years (FY 2017/18, FY 2016/17 and FY 2015/16) were reviewed (Attachment 3). The budgets for FY 2017/18 and 2016/17 included an expense for WAPA electrical charges (Utilities) that are used to set the Volumetric Rate, not the Capacity Charge, so this expense was deducted from the totals for these fiscal years.

After adjusting the FY 2017/18 and FY 2016/17 budgets for the Utilities expense, the budget amounts are \$661,150; \$803,750; and \$839,050 for fiscal years 2017/18, 2016/17, and 2015/16, respectively. It should be noted that each of the three fiscal year budgets contained an expense for an annual contribution to the capital replacement, or sinking, fund. However, the budgeted amount is \$131,400 in each case rather than the lower estimated annual amount of \$88,333.

Each of these fiscal year budgets was divided by 14,845 total acres eligible for water delivery within the District (per General Manager Mike Hall, January 10, 2018 meeting). The resultant per acre charge by fiscal years is \$44.54; \$54.14; and \$56.52, respectively. The budgets for the last three fiscal years, and the related Capacity Charges, clearly trend downward. However, to provide for uncertainty and avoid any shortfall in revenue, I recommend the District adopt a new Capacity Charge that averages the last three years. The resulting Capacity Charge, rounding to the nearest whole dollar amount, is \$52.00 per acre.

### **Volumetric Rate**

The Volumetric Rate calculated in the original Analysis consisted of two parts – one for groundwater and one for surface water (\$34 and \$5.30 per acre-foot,

respectively). For the First Update, the District determined that groundwater produced by wells using PG&E power should no longer be included in the Water Rate since Conaway Ranch, rather than the District, now pays all PG&E expenses. As a result, the groundwater volumetric rate calculated in the original Analysis was no longer applicable.

The original surface water volumetric rate was calculated using Bureau of Reclamation charges for water and total WAPA power costs. The calculation was based on information provided that the district used WAPA power exclusively to pump surface water. However, when preparing the First Update it was recognized that WAPA power is actually utilized to pump both surface and groundwater.

Because it was not possible to separate the WAPA power costs for pumping surface water versus groundwater, the First Update calculated a “blended” Volumetric Rate based on the cost of total water pumped. The blended Volumetric Rate was directly dependent on the ratio of surface water versus groundwater pumped in any given year since it costs more per acre-foot to pump groundwater than surface water.

For this Second Update, surface water pumping and electrical usage data is available from the new intake that has been in operation since October 2016. The new intake has separate flow meters for each of the District surface water pumps. The new intake also has electrical meters allowing the District to determine its power usage, and thus costs, for pumping only surface water.

In addition to surface water from the new intake, The District still utilizes some groundwater from wells OW-1 and OW-2. Wells OW-1 and OW-2 are connected to WAPA power, but do not currently have electrical usage records to determine the cost per acre-foot for water produced from these wells. As a result, the cost for groundwater cannot be included in the updated Volumetric Rate. However, wells OW-1 and OW-2 are estimated to supply less than 5% of the water produced by the District (February 16, 2018 email from Darren Cordova, MBK Engineers, Attachment 4) and thus are not considered consequential. In the future, power used by wells OW-1 and OW-2 will be metered which will allow a potential revision to the Volumetric Rate, if necessary.

Using the surface water pumping data at the new intake from September 2016 through September 2017 (Attachment 5), the District pumped 37,576 acre-feet of surface water. The total cost for the District’s WAPA power was

\$255,711. Dividing the surface water produced by the cost of WAPA power results in a Volumetric Rate of \$6.81 per acre-foot.

Applying this Volumetric Rate to Wet, Normal, and Dry water years will result in different costs to the District to supply water for a given crop. Darren Cordova, MBK Engineers, provided an analysis of the ratio of groundwater versus surface water produced during Wet, Normal, and Dry years (Attachment 6). From Attachment 6, one can see that the District actually uses more surface water during a wet year than during a normal year. As a result, the District's costs to supply surface water during a wet year will actually be higher than during a normal year.

For example, white rice uses six acre-feet of water per year (District Schedule of Water Delivery Rates, Attachment 7). In a wet year, the cost to the District per acre of white rice is \$34.32. This is determined by taking 84% of six acre-feet of water (the amount of surface water used for an acre of white rice) times \$6.81 (the cost per acre-foot of surface water). However, the District's cost to supply surface water for an acre of white rice during a normal year is only \$23.70 (58% of six acre-feet multiplied by \$6.81 per acre-foot). The cost during a dry year is \$28.19 per acre.

In setting water delivery rates for irrigation of various crops, assuming the wet year surface water delivery of 84% would be most protective of District finances. In order to compensate for the reduced costs during normal and dry years, the District could provide a credit to farmers in the subsequent year after a previous normal or dry year. For example, for a farmer growing white rice in 2018, if 2018 turns out to be a dry year, the District would issue a credit of \$6.13 per acre (\$34.32 per acre collected minus \$28.19 per acre expense) to be deducted from that farmer's water delivery charges in 2019. These costs could be "trued up" using actual costs retrospectively for each year, thus insuring equity for both the District and farmers.

As an alternative, the District could base its water delivery charges on a normal water year, if the District entered into an agreement with Conaway requiring Conaway to pay the District for any shortfall in surface water delivery costs during wet or dry years. In a dry year, Conaway will typically fallow land and sell surface water thus producing extra income. In a wet year, Conaway will pump less groundwater than in a normal year thus receiving a cost saving. As a result, in both dry and wet years Conaway will receive additional income or savings with which to reimburse the District for added

surface water pumping costs not recovered from the water delivery charges based on a normal year.

### **Conclusion**

Based on the last three years of Board adopted budgets, I recommend the District adopt a Capacity Charge of \$52.00 per acre of land. Based on surface water costs at the new intake for 2016/17, I recommend the District adopt a Volumetric Rate of \$6.81 per acre-foot of surface water.

If the District enters into a surface water pumping cost reimbursement agreement with Conaway as described above, I recommend the District base the Schedule of Water Delivery Rates on a normal water year. As a result, the water delivery rate for white rice would be \$23.70 per acre as described above. Adding the Capacity Charge of \$52 per acre would result in a total District water rate of \$75.70 per acre. Obviously, each different crop will result in a different water delivery charge for that specific crop.

If the District does not enter a reimbursement agreement with Conaway, I recommend that the District prepare its Schedule of Water Delivery Rates assuming that 84% of irrigation water delivered is surface water. Any excess revenue collected from using this assumption for the water delivery rates in wet and dry years would be returned to the ratepayers by issuing credits against the water delivery rates in the subsequent year.

# ATTACHMENT 1

To: Bob Thomas, President, Reclamation District 2035  
Mike Hall, Acting General Manager, Reclamation District  
2035

From: Gary Reents, P.E.

Date: January 15, 2015

Sub: Water Rate Analysis

### **Introduction**

Reclamation District 2035 (District) has decided to develop rates for delivering water to agricultural customers based on the District's fixed and variable costs. This will result in separate capacity (fixed costs) and volumetric (variable costs) charges within the overall water rate. The capacity and volumetric charges will then be applied on two different bases: acres for the capacity charge, and acre-feet of water delivered for the volumetric charge. This memorandum describes how the capacity and volumetric rates were calculated for the District.

### **Rate Formulation**

Fixed costs consist of all expenses that are, or would be, incurred regardless of how much water is delivered within the District. These expenses are the majority of the District budget and include such items as buildings, equipment, labor, vehicles, insurance etc.

Variable costs consist of expenses that are only incurred as a result of delivering water within the District. These expenses consist of only two items: electricity for pumps and Bureau of Reclamation charges for contract water.

It should be pointed out that some portion of the fixed costs described above might be attributable to variable costs. Water delivery could increase such items as labor and vehicle costs by increasing the level of maintenance required for facilities, or increase capital replacement costs by wearing out pumps sooner, etc. Determining the percentage of the fixed costs that may be attributable to variable costs would require a detailed and costly analysis of District operations. Given the likely small magnitude of these costs, it is not considered cost effective to conduct such an analysis.

### **Capacity Charge**

After reviewing the fixed costs for fiscal years 2011, 2012, and 2013, it was decided to use 2013 costs, as these are the most recent and the highest of the three years. Fixed costs for FY 2013 were \$755,287 (per information received from Pam Welling).

In addition to the fixed costs currently incurred, the district wishes to also create both a future contingency fund, and an intake capital replacement fund. The contingency fund would total \$250,000 funded over three years, or approximately \$83,333 per year for three years. The intake capital replacement fund would total approximately \$2,650,000 (see attached Joint Intake Project Major Replacement Items) over 30 years, or approximately \$88,333 per year for 30 years.

Adding the contingency fund and intake capital replacement fund costs to the other fixed costs for the District results in a total fixed cost basis of \$926,953 ( $\$755,287 + 83,333 + 88,333 = \$926,953$ ).

The total number of acres that receive water delivery from the District is 14,845 (per information received from Make Hall). Acres of land that actually receive water are the best basis upon which to

spread the fixed costs to derive a capacity charge. Dividing \$926,953 by 14,845 acres results in a capacity charge of approximately \$62.50 per acre. After the contingency fund is established in three years, the fixed capacity charge would drop to approximately \$57 per acre.

### **Volumetric Rate**

Water delivered by the District comes from two different sources: groundwater and surface water. In order to develop the volumetric water rate, the cost of ground and surface water need to be determined separately. Once these costs are determined, the volumetric rate can be calculated based on a combination of the two water sources given the particular type of water year.

Electrical charges for the District, which are the majority of variable costs, result from both WAPA and PGE. WAPA charges are exclusive to surface water, and PGE costs are exclusive to groundwater. Thus, WAPA charges, in addition to Bureau charges for contract water, will be used to calculate surface water costs. PGE charges will be used to calculate groundwater costs.

Per Mike Hall, only water deliveries during the irrigation season from April through September of each year should be used to calculate variable water costs. Electrical costs for April through September for 2012, 2013, and 2014 were \$642,477, \$780,536, and \$1,159,187 respectively (attached information from Pam Welling).

Within these amounts, WAPA and PGE charges were as follows:

Year (April – September)	WAPA Charges	PGE Charges
2012	\$172,940	\$469,537
2013	215,004	565,532
2014	205,596	953,591

The total amount of water, groundwater, and surface water delivered from April through September for each year is as follows (per attached information from Mike Hall):

Year (April – September)	Total Water (acre-feet)	Surface Water (acre-feet)	Groundwater (acre-feet)
2012	51,106	35,796	15,310
2013	54,876	37,275	17,601
2014	32,140	7,518	24,622

Dividing the acre-feet of water delivered by the respective electrical charges results in the following water costs:

Year (April-September)	Surface Water Cost (per ac-ft)	Groundwater Cost (per ac-ft)
2012	\$4.83	\$30.67
2013	\$5.77	\$32.13
2014	\$27.35	\$38.73

The data supplied for surface water diversions and WAPA power costs for April through September in 2014 is clearly suspect. Ignoring this data and averaging the 2012 and 2013 costs for surface water results in a volumetric rate of \$5.30 per acre-foot. Averaging the costs for ground water for all three years (2012 – 2014), results in a volumetric rate of \$33.84, or approximately \$34, per acre-foot.

## **Conclusion**

The standing capacity, or fixed cost, rate that would be charged to all of the acres within RD 2035 receiving water is \$62.50 per acre annually for the next three years. After that, the fixed capacity

charge would fall to \$57 per acre. The volumetric, or variable, rate that would be charged for every acre-foot of surface water delivered is \$5.30. The volumetric, or variable, rate that would be charged for every acre-foot of ground water delivered is approximately \$34.

Applying these rates to a typical acre of rice using five acre feet of water in a growing season would result in the following costs:

- A. If one hundred percent surface water is delivered in a given year, the cost per acre for rice would be the fixed capacity charge of \$62.50 plus \$26.50 for five acre-feet of surface water (5 times \$5.30 per acre-foot equals \$26.50) for a total of \$89. This would reduce to \$83.50 after three years.
- B. If one hundred percent groundwater is delivered in a given year, the cost per acre for rice would be the fixed capacity charge of \$62.50 plus \$170 for five acre-feet of ground water (5 times \$34 per acre-foot equals \$170) for a total of \$232.50. This would reduce to \$227 after three years.
- C. For a “typical year” where 80% surface water and 20% ground water is delivered, the cost per acre for rice would be the fixed capacity charge of \$62.50 plus \$55.20 (4 times \$5.30 per acre-foot of surface water, plus \$34 per acre-foot of ground water equals \$55.20) for a total of \$117.70. This would reduce to \$112.20 after three years.

## ATTACHMENT 2

## **MEMORANDUM**

To: Mike Hall, General Manager, Reclamation District 2035  
Robert Thomas, President, Reclamation District 2035

From: Gary Reents, P.E.

Date: March 11, 2016

Subject: Update to Water Rate Analysis

### **Introduction**

At the request of Reclamation District 2035 (RD 2035), this memorandum is being prepared as an update to the original Water Rate Analysis (Analysis) prepared for the District in 2015. The original Analysis defined the method for formulating water rates for RD 2035, and calculated both a Capacity Charge and Volumetric Rate that together comprise the Water Rate. The reader should consult the original Analysis for background information regarding the Water Rate.

This Update to Water Rate Analysis (Update) uses cost data from 2015 to update the Capacity Charge, and additional information regarding pumping and cost data from 2011 through 2015 to update the Volumetric Rate.

### **Capacity Charge**

The original Capacity Charge was calculated using actual operational fixed costs from fiscal year 2013/14. In addition, the rate also included charges to create a contingency fund (\$83,333 per year) and intake capital replacement fund (\$88,333 per year). The calculated Capacity Charge was \$62.50 per acre.

For this Update, actual operational fixed costs from fiscal year 2014/15 were used. The amount for FY 2014/15 provided by Pam Welling at RD 2035 (see attached documentation) is \$825,340. The contingency fund balance established by RD 2035 has been met, but the capital replacement fund requirement of \$88,333 per year remains. Thus the updated total annual fixed cost for RD 2035 is \$913,673 ( $\$825,340 + \$88,333 = \$913,673$ ).

The total number of acres receiving water service remains 14,845. Thus the updated Capacity Charge is the total fixed cost divided by the number acres, or \$61.55 per acre.

### **Volumetric Rate**

The Volumetric Rate calculated in the original Analysis consisted of two parts – one for groundwater and one for surface water. RD 2035 has determined that groundwater produced by wells using PG&E power will no longer be included in the Water Rate (per Mike Hall). As a result, the groundwater volumetric rate calculated in the original Analysis is no longer applicable.

The original surface water volumetric rate was calculated using Bureau of Reclamation charges for water and total WAPA power costs. This was based on information from RD 2305 that WAPA power was used exclusively to pump surface water. However, I have now learned that WAPA power is utilized to pump both surface water and some ground water. Therefore, the entire Volumetric Rate will be based on this “blended” cost for the total water pumped utilizing WAPA power, both surface and ground water.

MBK Engineers prepared a table presenting the total surface and ground water pumped using WAPA power for the years 2011 through 2015 (attached). The table also presents the cost for WAPA power for each year, and then calculates the cost per acre-foot of water produced. The costs range from \$3.96 to \$16.57 per acre-foot of water.

The differences in the cost for WAPA water is due to the ratio of groundwater to surface water supplied. Since ground water costs more to pump, years using a higher ratio of groundwater to surface water raise the total cost of WAPA water supplied. I believe this points to the need for a “Dry-Year” versus a “Normal/Wet Year” water rate.

Using data from the table prepared by MBK, the years of 2011,2012, and 2013 appear to represent Normal/Wet years. The average cost for WAPA water in these years is \$4.34 per acre-foot. Using the years of 2014 and 2015 as representing Dry Years, the average cost WAPA water is \$14.20 per acre-foot, although using the higher value of \$16.57 per acre-foot from 2014 would be a more conservative approach.

### **Conclusion**

I recommend that RD 2035 use the updated Capacity Charge of \$61.55 per acre. I further recommend that RD 2305 use both a Normal/Wet Year Volumetric Rate of \$4.50 per acre-foot of water, and a Dry Year Volumetric Rate of \$16.50.

Converting the above to a Water Rate for an acre of rice utilizing 5.5 acre-feet of water per acre, the rate would be:

**Normal/Wet Year Water Rate** -  $\$61.55 + (5.5 \times \$4.50) = \textbf{\$86.30}$   
***per acre rice***

**Dry Year Water Rate** -  $\$61.55 + (5.5 \times \$16.50) = \textbf{\$152.30}$  ***per acre rice***

## ATTACHMENT 3

**Reclamation District 2035**  
**Approved Revised 2017/2018 Budget**

Attachment C

	ACCOUNT NAME/NUMBER	2018 APPROVED BUDGET	Rabobank LOC	Actual Income/Expenses as of 12/31/17		Projected YE
W/D INCOME	Water Delivery by Tenants	\$ 778,000.00		362,802.83	\$	778,000.00
	Water Delivery-Winter Water	\$ 170,000.00		80,853.25	\$	170,000.00
	Other Income	\$ 2,500.00		1,699.06	\$	2,500.00
	Cross Canal FEMA Reimb - 75%	\$ 44,302.00			\$	44,302.00
	<b>TOTAL W/D INCOME</b>	<b>\$ 994,802.00</b>	<b>\$ -</b>	<b>\$ 445,355.14</b>	<b>\$</b>	<b>994,802.00</b>
M&O INCOME	M&O /Flood Control + 5%	\$ 339,700.00		5,442.64	\$	339,700.00
	Grant Income/LOC Rec'd		753,984.00		\$	753,984.00
	Addt'l Flood Fight Income - OES	\$ 26,527.00			\$	26,527.00
	CPG - Gravel Grant Contribution		66,528.00	49,340.00	\$	66,528.00
	<b>TOTAL M&amp;O INCOME</b>	<b>\$ 366,227.00</b>	<b>\$ 820,512.00</b>	<b>\$ 54,782.64</b>	<b>\$</b>	<b>1,186,739.00</b>
EXPENSE	WD	\$ 911,150.00	\$ -	\$ 342,452.54	\$	911,150.00
	M&O & Other	\$ 451,775.00	\$ 66,528.00	\$ 217,092.99	\$	518,303.00
	<b>TOTAL EXPENSES</b>	<b>\$ 1,362,925.00</b>	<b>\$ 66,528.00</b>	<b>\$ 559,545.53</b>	<b>\$</b>	<b>1,429,453.00</b>
<b>REVISED</b>						
NET INCOME/LOSS	WD	\$ 83,652.00	\$ -	\$ 102,902.60	\$	83,652.00
	M&O	\$ (85,548.00)	\$ -	\$ (162,310.35)	\$	668,436.00
W/D Expenses	<b>Water Delivery Expenses</b>					
	Regular Employees	\$ 66,000.00		34,012.35	\$	66,000.00
	CPG Employees Salaries & Benefits	\$ 40,000.00		16,021.36	\$	40,000.00
	Outside Labor	\$ 5,000.00			\$	5,000.00
	Regular Employees Benefits	\$ 27,300.00		10,460.88	\$	27,300.00
	Staff Training/Travel/Seminars	\$ 2,000.00			\$	2,000.00
	Communications	\$ 2,000.00		1,824.29	\$	2,000.00
	Insurance -Property & Liab	\$ 20,000.00			\$	20,000.00
	INTAKE- Pump Expense	\$ 155,000.00		115,055.00	\$	155,000.00
	Maintenance Equipment	\$ 6,000.00		5,512.89	\$	6,000.00
	Maintenance Bldg & improvements	\$ 1,000.00			\$	1,000.00
	Maintenance Supplies	\$ 3,000.00		608.10	\$	3,000.00
	Pump Maintenance	\$ 55,000.00		6,487.16	\$	55,000.00
	General Maintenance	\$ 3,000.00			\$	3,000.00
	Memberships	\$ 25,000.00		6,843.38	\$	25,000.00
	Miscellaneous	\$ 1,000.00		1,665.02	\$	1,000.00
	Office Expense	\$ 2,000.00		525.37	\$	2,000.00
	Auditing & Fiscal Services	\$ 20,000.00			\$	20,000.00
	Information Services	\$ 500.00		1,227.50	\$	500.00
	Legal Services	\$ 35,000.00			\$	35,000.00
	Architecture, Engineering & Planning	\$ 5,000.00		9,607.31	\$	5,000.00
	Road Maintenance & Construction Serv.	\$ 5,000.00		1,373.50	\$	5,000.00
	Ditch Maintenance	\$ 10,000.00			\$	10,000.00
	Professional & Specialized	\$ 5,000.00		1,722.15	\$	5,000.00
	Publications & Legal Notice	\$ 150.00		113.57	\$	150.00
	Rents & Leases	\$ 12,300.00		10,162.88	\$	12,300.00
	Transportation & Travel	\$ 1,000.00		15.46	\$	1,000.00
	Pump Fuel	\$ 20,000.00		5,239.60	\$	20,000.00
	Vehicle Fuel	\$ 2,500.00		964.25	\$	2,500.00
	Utilities	\$ 250,000.00		113,010.52	\$	250,000.00
	<b>Capitalized Expense SINKING FUND</b>	<b>\$ 131,400.00</b>			\$	131,400.00
	<b>Total WD Expenses</b>	<b>\$ 911,150.00</b>	<b>\$ -</b>	<b>\$ 342,452.54</b>	<b>\$</b>	<b>911,150.00</b>
M&O Expenses	Regular Employees	\$ 66,000.00		34,012.35	\$	66,000.00
	CPG Employees Salaries & Benefits	\$ 40,000.00		16,021.36	\$	40,000.00
	Regular Employees Benefits	\$ 27,300.00		10,460.88	\$	27,300.00
	Outside Labor	\$ 5,000.00			\$	5,000.00
	Communications	\$ 2,000.00		1,468.98	\$	2,000.00
	Insurance -	\$ 20,000.00			\$	20,000.00
	Maintenance Equipment	\$ 5,000.00		5,772.89	\$	5,000.00
	Maintenance Bldg & improvements	\$ -			\$	-
	Maintenance Supplies	\$ 5,000.00		608.03	\$	5,000.00
	Pump Maintenance	\$ 25,000.00			\$	25,000.00
	General Maintenance	\$ 2,000.00			\$	2,000.00
	Memberships	\$ 10,000.00		6,843.37	\$	10,000.00
	Miscellaneous	\$ 300.00		74.71	\$	300.00
	Office Expense	\$ 1,500.00		552.54	\$	1,500.00
	Auditing & Fiscal Services	\$ 10,000.00			\$	10,000.00
	Information Services	\$ 500.00		447.50	\$	500.00
	Legal Services	\$ 30,000.00		40,464.38	\$	50,000.00
	Architecture, Engineering & Planning	\$ 100,000.00	66,528.00	75,539.68	\$	166,528.00
	Drainage Expense	\$ 4,500.00			\$	4,500.00
	Levee Maintenance	\$ 20,000.00		10,000.00	\$	20,000.00
	Road Maintenance & Construction Sei	\$ 2,000.00		2,875.57	\$	2,000.00
	Ditch Maintenance	\$ 15,000.00			\$	15,000.00
	Professional & Specialized	\$ 2,500.00		312.50	\$	2,500.00
	Publications & Legal Notice	\$ 75.00		113.56	\$	75.00
	Rents & Leases	\$ 12,300.00		10,162.92	\$	12,300.00
	Transportation & Travel	\$ 300.00		25.47	\$	300.00
	Pump Fuel	\$ -			\$	-
	Vehicle Fuel	\$ 2,500.00		964.22	\$	2,500.00
	Utilities	\$ 20,000.00		372.08	\$	20,000.00
	Rabobank LOC Interest -payable	\$ 23,000.00			\$	23,000.00
	<b>Total M&amp;O Expense</b>	<b>\$ 451,775.00</b>	<b>\$ 66,528.00</b>	<b>\$ 217,092.99</b>	<b>\$</b>	<b>538,303.00</b>

**Reclamation District 2035**  
**Approved 2016/2017 Budget**

	ACCOUNT NAME/NUMBER	2017 APPROVED BUDGET	ACTUAL AS OF 6/30/17	NOTES
W/D INCOME	Water Delivery by Tenants	\$ 880,000.00	783,587.30	
	Water Delivery-Winter Water	\$ 160,000.00	175,067.50	
	CPG Water transfer Fees			
	Other Income	\$ 120,000.00	128,223.50	Includes WAPA, 60K from City for WDCWA, 40K Grant Res Water Mgt Plan, Interest
	<b>TOTAL W/D INCOME</b>	<b>\$ 1,160,000.00</b>	<b>\$ 1,086,878.30</b>	
M&O INCOME	M&O /Flood Control	\$ 410,000.00	228,586.73	16/17 MO Assessment has not yet been billed
	Misc Income		16,775.00	Grader Rental
	<b>TOTAL M&amp;O INCOME</b>	<b>\$ 410,000.00</b>	<b>\$ 245,361.73</b>	
EXPENSE	WD	\$ 1,043,750.00	\$ 841,645.60	
	M&O & Other	\$ 371,675.00	\$ 482,401.04	
	<b>TOTAL EXPENSES</b>	<b>\$ 1,415,425.00</b>	<b>\$ 1,324,046.64</b>	
NET INCOME/LOSS	WD	\$ 116,250.00	\$ 245,232.70	
	M&O	\$ 38,325.00	\$ (237,039.31)	Combined Net income is \$8193.39
W/D Expenses	Water Delivery Expenses			
	Regular Employees	\$ 45,000.00	82,770.94	Includes percentage of CPG staff compensation *
	Regular Employees Benefits	\$ 25,000.00	6,600.95	Includes percentage of CPG staff compensation *
	Staff Training/Travel/Seminars	\$ 3,000.00	45.00	new
	CPG Reimbursements-supplies/services	\$ 50,000.00		coded to individual proper expenses **
	Communications	\$ 2,000.00	4,554.48	
	Insurance -Property & Liab	\$ 33,000.00	21,718.64	
	River Pump Expense	\$ 40,000.00	10,228.34	
	INTAKE- Pump Expense	\$ 130,000.00		
	Maintenance Equipment	\$ 22,000.00	11,982.16	
	Maintenance Bldg & improvements	\$ 1,000.00		
	Maintenance Supplies	\$ 7,500.00	2,984.05	
	Pump Maintenance	\$ 50,000.00	72,268.73	
	General Maintenance	\$ 8,500.00	2,174.63	
	Memberships	\$ 30,000.00	22,801.14	
	Miscellaneous	\$ 1,000.00	2,204.14	
	Office Expense	\$ 8,000.00	2,475.70	Computer/software upgrades
	Overhead	\$ 1,000.00		
	Auditing & Fiscal Services	\$ 20,000.00	15,100.00	
	Information Services	\$ 600.00	2,980.63	
	Legal Service	\$ 20,000.00	5,120.15	
	Architectural, Eng. & Planning	\$ 20,000.00	15,995.84	West Yost
	Drainage Expense	\$ 1,500.00		

**Reclamation District 2035**  
**Approved 2016/2017 Budget**

Levee Maintenance	\$	-	3,466.87	Expenses going into Flood Fight Rec.
Road Maintenance & Construction Serv.	\$	5,000.00		
Ditch Maintenance	\$	30,000.00	10,563.60	
Professional & Specialized	\$	5,000.00	73,297.73	Intake Ceremony (\$38K) M.Holland (\$21K)
Publications & Legal Notice	\$	250.00	222.60	
Rental Equip	\$	10,000.00	12,370.36	
Small Tools & Minor Equip	\$	-	1,841.46	
Transportation & Travel	\$	500.00	457.95	
Pump Fuel	\$	20,000.00	50,556.22	
Vehicle Fuel	\$	15,000.00	2,551.89	Mike, Jeff percentage of RD included
Water Contract	\$	7,500.00		
Utilities	\$	240,000.00	216,077.29	WAPA ONLY
Utilities -WDCWA	\$	60,000.00		WDCWA
Lobbying	\$	-	16,000.00	
Depreciation	-		172,234.11	(was not budgeted)
Capitalized Expense SINKING FUND	\$	131,400.00		Annual

<b>Total WD Expenses</b>	<b>\$</b>	<b>1,043,750.00</b>	<b>\$</b>	<b>841,645.60</b>
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**M&O Expenses**

Regular Employees	\$	25,000.00	82,771.02	Includes percentage of CPG staff compensation	*
Regular Employees Benefits	\$	10,000.00	6,573.16	Includes percentage of CPG staff compensation	*
CPG Reimbursements	\$	20,000.00		coded to individual proper expenses	**
Communications	\$	1,000.00	4,321.73		
Insurance -	\$	30,000.00	19,978.64	Renewal in April - Crosses Fiscal Year Should be expensed in 2017 for 3mos only	
River Pump Expense	\$	-			
Maintenance Equipment	\$	15,000.00	11,159.45		
Maintenance Bldg & improvements	\$	-			
Maintenance Supplies	\$	5,000.00	3,182.80		
Pump Maintenance	\$	5,000.00	6,503.74		
General Maintenance	\$	20,000.00	2,174.62	Innovative Controls (prior years coded to Pump Maint-need to be consistent)	
Memberships	\$	10,000.00	7,450.51		
Miscellaneous	\$	300.00	3,026.03		
Office Expense	\$	1,500.00	2,496.18		
Overhead	\$	-			
Auditing & Fiscal Services	\$	15,000.00	15,100.00		
Information Services	\$	1,500.00	2,217.53		
Legal Services	\$	30,000.00	66,110.96		
Architecture, Engineering & Planning	\$	50,000.00	122,779.75		
Fish Screen Assistance (non grant funded)	\$	-			
Drainage Expense	\$	4,500.00			
Levee Maintenance	\$	20,000.00	14,641.05	In Flood Fight Rec'bls	
Road Maintenance & Construction Serv.	\$	2,000.00			
Ditch Maintenance	\$	30,000.00	32,331.52		

**Reclamation District 2035**  
**Approved 2016/2017 Budget**

Professional & Specialized	\$	2,500.00	26,345.78	Marti, Accounting Services
Publications & Legal Notice	\$	75.00	222.60	
Rents & Leases	\$	13,000.00	12,695.88	
Small Tools & Minor Equip	\$	-	1,841.44	
Staff Training			45.00	
Transportation & Travel	\$	300.00	301.34	
Pump Fuel	\$	-	0.00	
Vehicle Fuel	\$	5,000.00	2,717.35	
Water Contract	\$	-		
Utilities	\$	50,000.00	19,601.55	In Flood Fight Rec'bls
Depreciation	\$	-	15,811.41	
Rabobank LOC Interest -payable	\$	5,000.00		
<b>Total M&amp;O Expense</b>	<b>\$</b>	<b>371,675.00</b>	<b>\$ 482,401.04</b>	

\* Salaries and Benefits are not separated out in the G/L aside from payment of Group Insurance. I can go back and separate these items out if deemed necessary.

\*\* CPG Reimb Expenses are coded to the actual expense and posted in that manner. Total billings between Jul - Apr = \$96,445.15

RD 2035  
FY 2015-16  
WATER DELIVERY M/O BUDGET  
DRAFT

Beginning Cash=\$841,128 RECLAMATION DISTRICT 2035	2015-16 Budget	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr-16	May 2016	June 2016	Notes
<b>Gross Income WD &amp; M&amp;O</b>														
WD	1,419,045	118,254	118,254	118,254	118,254	118,254	118,254	118,254	118,254	118,254	118,254	118,254	118,254	CPG increased overhead-water sale
M&O	500,000	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	
2014/2015 Fund Balance	841,128													
<b>Total Income</b>	<b>2,760,173</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	<b>159,920</b>	
<b>Expenses</b>														
WD	839,050	69,920.83	69,921	69,921	69,921	69,921	69,921	69,921	69,921	69,921	69,921	69,921	69,921	
M&O	407,925	33,994	33,994	33,994	33,994	33,994	33,994	33,994	33,994	33,994	33,994	33,994	33,994	
<b>Total Expenses</b>	<b>1,246,975</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	<b>103,915</b>	-
<b>Net Income WD &amp; M&amp;O</b>														
WD	579,995	48,333	48,333	48,333	48,333	48,333	48,333	48,333	48,333	48,333	48,333	48,333	48,333	
M&O	92,075	7,672.92	7,673	7,673	7,673	7,673	7,673	7,673	7,673	7,673	7,673	7,673	7,673	
<b>Total Net Income/Loss</b>	<b>672,070</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	<b>56,006</b>	Loss of \$127,930 for 2016 End fund bal \$713.198
<b>Gross Income Grants</b>														
Intake Project														
<b>Total Income</b>	<b>19,529,552</b>	<b>1,265,148</b>	<b>1,265,148</b>	<b>1,256,656</b>	<b>2,133,603</b>	<b>2,132,452</b>	<b>2,139,056</b>	<b>2,169,901</b>	<b>2,171,183</b>	<b>2,192,195</b>	<b>931,661</b>	<b>931,661</b>	<b>940,890</b>	
<b>Expenses - Grants</b>														
Intake Project														
<b>Total Expenses</b>	<b>19,529,552</b>	<b>1,265,148</b>	<b>1,265,148</b>	<b>1,256,656</b>	<b>2,133,603</b>	<b>2,132,452</b>	<b>2,139,056</b>	<b>2,169,900</b>	<b>2,171,183</b>	<b>2,192,195</b>	<b>931,661</b>	<b>931,661</b>	<b>940,890</b>	
<b>Net Income Grants</b>														
Intake Project	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Net Income</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Bonds - Cash</b>	<b>56,821.01</b>													
<b>INCOME</b>														
Water Delivery Fees	850,000	70,833.33	70,833	70,833	70,833	70,833	70,833	70,833	70,833	70,833	70,833	70,833	70,833	
Winter Water	160,000	13,333.33	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	13,333	
Interest Income	45	3.75	4	4	4	4	4	4	4	4	4	4	4	
Other Income	25,000	2,083.33	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	
CPG Water Transfer Related Reimbursement	384,000	32,000.00	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	32,000	
<b>Gross Income WD</b>	<b>1,419,045</b>	<b>118,253.75</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	<b>118,254</b>	
<b>Water Delivery Expenses</b>														
Regular Employees	45,000	3,750.00	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	
Regular Employees Benefits	30,600	2,550.00	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	2,550	
Joint Intake Project Manager		-	-	-	-	-	-	-	-	-	-	-	-	
CPG Reimbursements	55,000	4,583.33	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	
Communications	2,500	208.33	208	208	208	208	208	208	208	208	208	208	208	
Insurance -	30,000	2,500.00	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	
River Pump Expense		-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance Equipment	20,000	1,666.67	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	

RD 2035  
FY 2015-16  
WATER DELIVERY M/O BUDGET  
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Beginning Cash=\$841,128 RECLAMATION DISTRICT 2035	2015-16 Budget	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr-16	May 2016	June 2016	Notes
Maintenance Bldg & improvements	200	16.67	17	17	17	17	17	17	17	17	17	17	17	
Maintenance Supplies	12,000	1,000.00	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Pump Maintenance	50,000	4,166.67	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	
General Maintenance	8,500	708.33	708	708	708	708	708	708	708	708	708	708	708	
Memberships	25,000	2,083.33	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	
Miscellaneous	1,000	83.33	83	83	83	83	83	83	83	83	83	83	83	
Office Expense	2,500	208.33	208	208	208	208	208	208	208	208	208	208	208	
Overhead	10,000	833.33	833	833	833	833	833	833	833	833	833	833	833	
Auditing & Fiscal Services	20,000	1,666.67	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	
Information Services	600	50.00	50	50	50	50	50	50	50	50	50	50	50	
Legal Services	0	-	-	-	-	-	-	-	-	-	-	-	-	
Architecture, Engineering & Planning	10,000	833.33	833	833	833	833	833	833	833	833	833	833	833	
Fish Screen Assistance (non grant funded)	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Fish Screen - Grant Funded	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Drainage Expense	\$ 1,500	125.00	125	125	125	125	125	125	125	125	125	125	125	
Levee Maintenance		-	-	-	-	-	-	-	-	-	-	-	-	
Road Maintenance & Construction Serv.	\$ 5,000	416.67	417	417	417	417	417	417	417	417	417	417	417	
Ditch Maintenance	\$ 15,000	1,250.00	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	
Professional & Specialized	\$ 5,000	416.67	417	417	417	417	417	417	417	417	417	417	417	
Publications & Legal Notice	\$ 250	20.83	21	21	21	21	21	21	21	21	21	21	21	
Rents & Leases	\$ 10,000	833.33	833	833	833	833	833	833	833	833	833	833	833	
Transportation & Travel	\$ 500	41.67	42	42	42	42	42	42	42	42	42	42	42	
Pump Fuel	\$ 75,000	6,250.00	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	
Vehicle Fuel	\$ 15,000	1,250.00	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	
Water Contract	\$ 7,500	625.00	625	625	625	625	625	625	625	625	625	625	625	
Utilities		-	-	-	-	-	-	-	-	-	-	-	-	
Reserve	\$ 250,000	20,833.33	20,833	20,833	20,833	20,833	20,833	20,833	20,833	20,833	20,833	20,833	20,833	
Capitalized Expense SINKING FUND	\$ 131,400	10,950.00	10,950	10,950	10,950	10,950	10,950	10,950	10,950	10,950	10,950	10,950	10,950	
<b>Total WD Expenses</b>	<b>\$ 839,050</b>	<b>69,920.83</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	<b>69,921</b>	
Assessments	\$ 500,000	41,666.67	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	41,667	
Interest Income	\$ -													
Insurance Reimbursement	\$ -													
<b>Gross Income M&amp;O</b>	<b>\$ 500,000</b>	<b>41,666.67</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	<b>41,667</b>	
<b>M&amp;O Expenses</b>														
Regular Employees	\$ 45,000	3,750.00	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	
Regular Employees Benefits	21,250	1,770.83	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	1,771	
CPG Lease Payment	\$ 15,000	1,250.00	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	
Joint Intake Project Manager	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Communications	\$ 1,000	83.33	83	83	83	83	83	83	83	83	83	83	83	
Insurance -	\$ 30,000	2,500.00	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	
River Pump Expense	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance Equipment	\$ 5,000	416.67	417	417	417	417	417	417	417	417	417	417	417	
Maintenance Bldg & improvements	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance Supplies	\$ 5,000	416.67	417	417	417	417	417	417	417	417	417	417	417	

RD 2035  
FY 2015-16  
WATER DELIVERY M/O BUDGET  
DRAFT

Beginning Cash=\$841,128 RECLAMATION DISTRICT 2035	2015-16 Budget	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr-16	May 2016	June 2016	Notes
Pump Maintenance	\$ 5,000	416.67	417	417	417	417	417	417	417	417	417	417	417	
General Maintenance	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Memberships	\$ 3,000	250.00	250	250	250	250	250	250	250	250	250	250	250	
Miscellaneous	\$ 300	25.00	25	25	25	25	25	25	25	25	25	25	25	
Office Expense	\$ 1,500	125.00	125	125	125	125	125	125	125	125	125	125	125	
Overhead		-	-	-	-	-	-	-	-	-	-	-	-	
Auditing & Fiscal Services	\$ 20,000	1,666.67	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	
Information Services	\$ 1,500	125.00	125	125	125	125	125	125	125	125	125	125	125	
Legal Services	\$ 50,000	4,166.67	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	
Architecture, Engineering & Planning	\$ 80,000	6,666.67	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	
Fish Screen Assistance (non grant funded)	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Drainage Expense	\$ 4,500	375.00	375	375	375	375	375	375	375	375	375	375	375	
Levee Maintenance	\$ 10,000	833.33	833	833	833	833	833	833	833	833	833	833	833	
Road Maintenance & Construction Serv.	\$ 2,000	166.67	167	167	167	167	167	167	167	167	167	167	167	
Ditch Maintenance	\$ 25,000	2,083.33	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	
Professional & Specialized	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Publications & Legal Notice	\$ 75	6.25	6	6	6	6	6	6	6	6	6	6	6	
Rents & Leases	\$ 2,500	208.33	208	208	208	208	208	208	208	208	208	208	208	
Transportation & Travel	\$ 300	25.00	25	25	25	25	25	25	25	25	25	25	25	
Pump Fuel		-	-	-	-	-	-	-	-	-	-	-	-	
Vehicle Fuel	\$ 20,000	1,666.67	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	
Water Contract	\$ -	-	-	-	-	-	-	-	-	-	-	-	-	
Utilities	\$ 35,000	2,916.67	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	
Rabobank LOC Interest -payable	\$ 25,000	2,083.33	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	2,083	
<b>Total M&amp;O Expense</b>	<b>\$ 407,925</b>	<b>33,993.75</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	<b>33,994</b>	
<b>INTAKE GRANT ACTIVITY</b>														
INCOME	\$ 19,529,552	\$ 1,265,148	\$ 1,265,148	\$ 1,265,656	\$ 2,133,603	\$ 2,132,452	\$ 2,139,056	\$ 2,169,901	\$ 2,171,183	\$ 2,192,195	\$ 931,661	\$ 931,661	\$ 940,890	
EXPENSES	\$ 19,529,552	\$ 1,265,148	\$ 1,265,148	\$ 1,265,656	\$ 2,133,603	\$ 2,132,452	\$ 2,139,056	\$ 2,169,900	\$ 2,171,183	\$ 2,192,195	\$ 931,661	\$ 931,661	\$ 940,890	
<b>TOTAL NET INCOME/LOSS</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	
<b>INCOME</b>														
USBR Grant	\$ 6,352,772	\$ 443,905	\$ 443,905	\$ 446,281	\$ 775,386	\$ 774,976	\$ 777,328	\$ 774,437	\$ 774,894	\$ 782,380	\$ 276,024	\$ 83,256		
WDCWA	\$ 12,148,302	\$ 377,338	\$ 377,338	\$ 669,707	\$ 1,358,217	\$ 1,357,476	\$ 1,361,728	\$ 1,395,463	\$ 1,396,289	\$ 1,409,815	\$ 655,637	\$ 848,405	\$ 940,890	
WCB	\$ 1,028,478	\$ 443,905	\$ 443,905	\$ 140,668										
<b>Gross Income Fish Screen Grant</b>	<b>\$ 19,529,552</b>	<b>\$ 1,265,148</b>	<b>\$ 1,265,148</b>	<b>\$ 1,265,656</b>	<b>\$ 2,133,603</b>	<b>\$ 2,132,452</b>	<b>\$ 2,139,056</b>	<b>\$ 2,169,901</b>	<b>\$ 2,171,183</b>	<b>\$ 2,192,195</b>	<b>\$ 931,661</b>	<b>\$ 931,661</b>	<b>\$ 940,890</b>	
Balfour Beatty	\$ 17,767,063	\$ 1,052,697	\$ 1,052,697	\$ 1,052,697	\$ 2,001,205	\$ 2,001,205	\$ 2,001,205	\$ 2,032,615	\$ 2,032,615	\$ 2,032,615	\$ 835,837	\$ 835,837	\$ 835,837	
MWH	\$ 1,607,066	\$ 182,255	\$ 182,255	\$ 186,926	\$ 124,398	\$ 123,247	\$ 127,851	\$ 129,286	\$ 130,568	\$ 149,580	\$ 87,824	\$ 87,824	\$ 95,053	
Gary Reents - Project Manager	\$ 104,000	\$ 8,000	\$ 8,000	\$ 10,000	\$ 8,000	\$ 8,000	\$ 10,000	\$ 8,000	\$ 8,000	\$ 10,000	\$ 8,000	\$ 8,000	\$ 10,000	
**Prop 40 5% retention	\$ 51,424	\$ 22,195	\$ 22,195	\$ 7,033										

RD 2035  
FY 2015-16  
WATER DELIVERY M/O BUDGET  
DRAFT

Beginning Cash=\$841,128 RECLAMATION DISTRICT 2035	2015-16 Budget	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr-16	May 2016	June 2016	Notes
ESA														
Total Fish Screen Grant Expense	\$ 19,529,552	\$ 1,265,148	\$ 1,265,148	\$ 1,256,656	\$ 2,133,603	\$ 2,132,452	\$ 2,139,056	\$ 2,169,900	\$ 2,171,183	\$ 2,192,195	\$ 931,661	\$ 931,661	\$ 940,890	

## ATTACHMENT 4

On Friday, February 16, 2018 5:46 PM, Darren Cordova <[Cordova@mbkengineers.com](mailto:Cordova@mbkengineers.com)> wrote:

Gary –

As we discussed, the purpose of this email is to provide estimates of surface water diversions and groundwater pumping under three scenarios. The three scenarios shown in the attached table assume the same crop plan as 2016; and we have largely relied upon observed conditions during 2016 to estimate diversions and groundwater pumping for the three scenarios that are likely to occur into the future. The three scenarios are for: 1) a wetter year with a 100% supply from the Sacramento River and no additional groundwater pumping for the Assignment to Woodland-Davis Clean Water Agency, 2) a more normal year with a 100% supply from the Sacramento River and additional groundwater pumping of 11,860 AF for the Assignment to Woodland-Davis Clean Water Agency, including necessary mitigation groundwater pumping, and 3) a drier year with a 75% supply from the Sacramento River and additional groundwater pumping of 9,360 AF for the Assignment to Woodland-Davis Clean Water Agency, including necessary mitigation groundwater pumping. Please note that the three scenarios include total estimated diversions and groundwater pumping for the calendar year (we examined a water year basis; however, we believe a calendar year basis is a better representation of diversions and groundwater pumping due to hydrologic conditions and other factors). Also, note that the estimated surface water diversions and groundwater pumping for the drier scenario do not immediately seem intuitive as compared with the normal scenario, as you might expect that the surface water diversions would be lower in the drier scenario; however, the surface water diversions shown in the table are largely a result of increased diversions during the winter months as compared with the normal scenario. Surface water diversions during the winter months are highly variable; and thus, we have relied upon past records to provide some guidance.

In addition to the above, you requested estimated diversions from the remaining operable OW groundwater wells, which we refer to as wells OW-1 and OW-2. Based on the available records, it appears that measured quantities of groundwater pumped during 2016 was approximately the same as the average estimated groundwater pumping at those wells during prior years (which were estimated based on approximate hours of operation and pump efficiency tests). The quantities of groundwater pumped at Well OW-1 and OW-2 during 2016 were approximately 800 AF and 870 AF, respectively; and the measured maximum rate of groundwater pumping was approximately 5.7 cfs and 7.0 cfs, respectively. Note that we do not have electrical power records for these two wells.

Hopefully, the data included with this email is helpful in your efforts! Following your review, please call if you have any questions, or if you or Mike believe we should refine our assumptions/approach.

Have a Great Weekend!

Thank You –

Darren

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## ATTACHMENT 5

Water Delivery Costs - 9/1/16 - 9/30/17

**WAPA - since the intake - Flows**

	RD2035	WDCWA	Total
Sep-16	2504.74	841.61	3346.35
Oct-16	3645.58	1278.54	4924.12
Nov-16	5388.54	1009.92	6398.46
Dec-16	4388.43	948.91	5337.34
Jan-17	796.80	957.29	1754.09
Feb-17	0	805.64	805.64
Mar-17	164.63	1016.31	1180.94
Apr-17	15.80	1028.30	1044.10
May-17	3965.00	1820.90	5785.90
Jun-17	4602.40	2060.30	6662.70
Jul-17	7897.70	2288.80	10186.50
Aug-17	3797.5	2294.30	6091.80
Sept-17	408.5	2097.00	2505.50
<b>Total Acre Ft.</b>	<b>37,575.6</b>	<b>18,447.8</b>	<b>56,023.4</b>

**Allocation of WAPA Bill since Intake**

	RD2035	WDCWA	Total
Sep-16	24,365.88	5,156.48	29,522.36
Oct-16	19,675.95	6,678.93	26,354.88
Nov-16	25,515.74	7,697.90	33,213.64
Dec-16	29,893.60	8,985.75	38,879.35
Jan-17	26,820.74	12,205.26	39,026.00
Feb-17	12,967.03	8,165.26	21,132.29
Mar-17	10,455.85	9,249.99	19,705.84
Apr-17	-918.37	8,516.27	7,597.90
May-17	7,448.09	13,505.12	20,953.21
Jun-17	20,279.03	24,219.46	44,498.49
Jul-17	29,942.69	29,057.11	58,999.80
Aug-17	27,129.07	33,794.03	60,923.10
Sept-17	\$22,136.02	\$35,155.42	57,291.44
<b>Total WAPA Cost</b>	<b>255,711.32</b>	<b>202,386.98</b>	<b>458,098.30</b>

Average cost per acre ft	<b>6.81</b>	10.97	8.18
	<b>per acre foot</b>		

**Water Delivery Costs  
Between 9/1/16 - 9/30/17**

Salaries	83,927.67	RD Employees + a % of M.Hall
Group Insurance	13,221.06	Health Insurance - RD Employees
Communications	4,017.79	Office Phones & Cell Phones
General Insurance	21,718.64	Liability, Auto, etc.
River Pump Expense - Intake	100,978.34	Removal of old pump & Maintenance Agreement
Maintenance - Equipment	12,317.28	

Maintenance Supplies	3,082.81	
Pump Maintenance	49,004.07	
General Maintenance	2,174.63	Removal of Hazardous waste
Membership Dues	8,169.90	CSDA & ACWA
Miscellaneous	2,204.14	Property taxes
Office Expense	2,122.38	
Auditing & Fiscal Services	15,100.00	
IT Services	2,877.20	
Legal Services	3,727.15	Intake related
Architecture, Eng, & Planning	15,801.42	West Yost - WAPA allocation program & assistance
Levee Maintenance	3,466.57	
Road Maint & Construction	1,373.50	
Ditch Maintenance	10,563.60	
Professional & Specialized	58,442.53	Mostly M.Holland consulting & Intake Ceremony costs
Lobbying - Fish Screen	16,000.00	
Publicatons & Legal Notices	222.60	
Rents & Leases - Equipment	16,334.61	Backhoe lease payments
Small Tools & Minor Equipment	1,841.46	
Training	45.00	
Transportation & Travel	361.94	Employee expense
Pump Fuel	13,946.81	
Vehicle Fuel	2,062.51	
Utilities	352,751.46	WAPA bills are included in this #
Depreciation	178,065.61	Annual Entry - asset depreciation cost
<b>Total WD Costs 9/1/16 - 9/30/17</b>	<b>995,922.68</b>	

## ATTACHMENT 6

**Conaway Preservation Group**  
**Surface Water and Groundwater Scenarios**  
**Calendar Year, January - December**

Scenario	Surface Water		Groundwater	
	AF	%	AF	%
Wetter Year, 100% Supply, w/ <u>no</u> WDCWA Assignment	50,700	84%	9,500	16%
Normal Year, 100% Supply, w/WDCWA Assignment	34,800	58%	25,400	42%
Drier Year, 75% Supply, w/WDCWA Assignment	41,800	69%	18,400	31%

## ATTACHMENT 7

**RECLAMATION DISTRICT 2035  
45332 COUNTY ROAD 25  
WOODLAND, CA 95776**

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2008 SCHEDULE OF WATER DELIVERY RATES

IRRIGATION RATES:

White Rice	6	acre feet	\$60.00/acre
Mid Season Field Drainage and Re-flooding	1	acre foot	\$10.00/acre
Wild Rice	5	acre feet	\$50.00/acre
Sweet Rice	5	acre feet	\$50.00/acre
Alfalfa	5.5	acre feet	\$55.00/acre
Corn	4.5	acre feet	\$45.00/acre
Sugar Beets	4	acre feet	\$40.00/acre
Sod	4	acre feet	\$40.00/acre
Tomatoes	3.5	acre feet	\$35.00/acre
Sudan	3.5	acre feet	\$35.00/acre
Vine Seed	3	acre feet	\$30.00/acre
Beans	3	acre feet	\$30.00/acre
Squash/Pumpkins	3	acre feet	\$30.00/acre
Melons	2.5	acre feet	\$25.00/acre
Sunflower	2.5	acre feet	\$25.00/acre
Oats *	1.5	acre feet	\$15.00/acre
Wheat *	1.5	acre feet	\$15.00/acre

OTHER:

Wildlife – New Ground	3	acre feet	\$30.00/acre
Wildlife – Maintenance	1.5	acre feet	\$15.00/acre
Rain Machine – Tomatoes	2.5	acre feet	\$25.00/acre
Transplant – Tomatoes	2.5	acre feet	\$25.00/acre
Pre-irrigation	*	acre feet	

Rate per acre-foot for water contracted for delivery is \$10.00/af.

\* The district will be responsible for providing rice straw decomposition water

\* The district water master and general manager may determine actual quantities.