

BOARD OF WATER SUPPLY, COUNTY OF KAUA'I

On March 16, 2020, Governor David Y. Ige issued a Supplementary Emergency Proclamation related to COVID-19 which suspended Chapter 92 of the Hawai'i Revised Statutes ("HRS"), relating to Public Agency Meetings and Records (commonly referred to as the Sunshine Law) to the extent necessary in order to enable boards to conduct business in-person or through remote technology without holding meetings open to the public. Boards shall consider reasonable measures to allow public participation consistent with social distancing practices, such as providing notice of meetings, allowing the submission of written testimony on items which have been posted on an agenda, live streaming of meetings, and posting minutes of meetings online. No board deliberation or action shall be invalid, if such measures are not taken.

In accordance with the Governor's Proclamations including the stay-at-home order and the Mayor's Proclamations and Emergency Rules, the Board of Water Supply meetings will be conducted as follows until further notice:

- Board meetings will be held via remote technology to be consistent with social distancing practices and stay-at-home orders.
- Board members and/or resource individuals may appear via remote technology.
- Board meetings will continue to be noticed pursuant to HRS Chapter 92.
- Written testimony on any agenda item will continue to be accepted.
 - Written testimony may be submitted to Edie Ignacio-Neumiller, the Commission Support Clerk via email at eineumiller@kauaiwater.org by the close of business the day before the Board meeting is scheduled or mailed to the Board of Water Supply at 4398 Pua Loke Street, Lihu'e, Kaua'i, Hawai'i 96766 with attention to the Commission Support Clerk. The public is asked to please provide sufficient time if mailing in public testimony.
 - Oral testimony may be submitted by leaving a voice message at (808) 245-5412.
 - The Commission Support Clerk will provide electronic copies of public testimony received, if any, to the Board members prior to the start of the meeting.
- Board meeting minutes will continue to comply with HRS Chapter 92 and be posted to the Board's website at http://www.kauaiwater.org/cp_waterboard_agendas.asp.

For more information on COVID-19 and to access the Governor's Proclamations please visit: <https://hawaiiicovid19.com/>.

For County of Kaua'i information, including the Mayor Kawakami's daily updates, Proclamations, and Emergency Rules, please visit: <http://www.kauai.gov/COVID-19>.

**BOARD OF WATER SUPPLY of the COUNTY OF KAUA'I
FINANCE COMMITTEE MEETING**

**Kaua'i County Department of Water
4398 Pua Loke Street, Līhu'e, Kaua'i, Hawai'i 96766**

DEPARTMENT BUDGET REVIEWS

Tuesday, May 19, 2020	8 am – 12 noon <i>or shortly thereafter</i>
Wednesday, May 20, 2020	8 am – 12 noon <i>or shortly thereafter</i>
Thursday, May 21, 2020	8 am – 12 noon <i>or shortly thereafter</i>

The Finance Committee of the Board of Water Supply will follow this schedule in reviewing, deliberating, and preliminary decision-making on the annual budget for fiscal year 2020-2021 of the Department of Water. **Meeting dates after the initial meeting are a continuation of the initial meeting and may be canceled.**

PUBLIC ACCESS: +1-408-418-9388 Access Code: 628 326 253#

To listen live to the Finance Committee meetings, members of the public may use the public access number and enter the access code. No live public testimony will be received. If members of the public require technical assistance with please contact: informationtechnology@kauaiwater.org

AGENDA

A. CALL TO ORDER

B. ROLL CALL

C. ACCEPTANCE OF AGENDA

D. OLD BUSINESS

1. Manager's Report No. 20-40 – Discussion and Possible Action on the Proposed Board Policy No. 31 to establish a new Reserve Fund which would replace the Emergency Reserve Fund and Debt Service Reserve Fund established by Board Policies 26 and 27

E. NEW BUSINESS

1. Draft Budget for Fiscal Year 2020-2021
 - a. Fiscal Year 2020 – 2021 – Draft Operating Budget
 - b. Fiscal Year 2020 - 2021 – Draft Capital Outlay Budget

F. ADJOURNMENT

SPECIAL ASSISTANCE

If you need an auxiliary aid/service, other accommodation due to a disability, or an interpreter for non-English speaking persons, please contact Edie Ignacio-Neumiller at (808) 245-5406 or edieumiller@kauaiwater.org as soon as possible. Requests made as early as possible will allow adequate time to fulfill your request. Upon request, this notice is available in alternate formats such as large print, braille, or electronic copy.

Old Business

DEPARTMENT OF WATER

County of Kaua'i

"Water has no Substitute – Conserve It!"

MANAGER'S REPORT No. 20-40 (Update)

May 19, 2020

Re: Discussion and Possible Action on the Proposed Board Policy No. 31 to establish a new Reserve Fund which would replace the Emergency Reserve Fund and Debt Service Reserve Fund established by Board Policies 26 and 27

RECOMMENDATION:

It is recommended that the Board review and discuss the proposed revisions to the Board Policy on the DOW's Reserve Funds and consider Option 1 below.

FUNDING: Water Utility Fund

BACKGROUND:

The DOW is revising its initial proposal that we submitted on January 24, 2020 Board meeting regarding the establishment of a new Reserve Fund Board Policy.

In alignment with the County of Kauai's Reserve Fund Policy, our inquiry found that their reserve fund was revised on March 22, 2017 which established a target minimum of 30% of the County's previous years General Fund revenues as identified in the most recent Comprehensive Annual Financial Report (CAFR).

In comparison with the DOW, we have two established reserve funds, and these are: 1. The Emergency Reserve Fund (ERF) and the Debt Service Reserve Fund (DSRF). The combined ERF and DSRF of \$9.3M as of 6/30/2019 which is the last audited financial statements is equivalent to 30% of the DOW's operating revenues of the last audited DOW financial statements.

Since the DOW's total reserve funds are similarly equivalent to the COK's target minimum of 30% of the last audited operating revenues, the DOW no longer need additional reserve and so the following proposal are submitted for your consideration:

1. Revised Proposed Board Policy (BP) 31 - to replace the two reserve funds; ERF (BP 26) & DSRF (BP 27) while maintaining a target minimum of 30% of the operating revenues based on the last audited financial statements and eliminate BP 26 & BP 27.
2. Proposed Board Policy 31 expands the list of restricted uses to include the DOW's ability to use the reserve funds for expenditure volatility and revenue shortfall.
3. Re-prioritized the list of restricted uses as follows:
 - a. Emergency repairs after a declaration of emergency by an authorized government official or as deemed fit by the Board of Water Supply.
 - b. Debt service requirement.
 - c. Unfunded non- recurring costs such as:
 - Unfunded mandates e.g. spikes in pension costs & OPEB.

- Unfunded legal services and legal claims.
- Uncovered insurance claims e.g. deductibles.

Thus, the DOW will only need to maintain a single reserve fund equal to at least 30% of the DOW's operating revenues with an expanded list of restricted uses as indicated above.

OPTIONS:

Option 1: Approve the proposed Board Policy No. 31.

Pros: If approved, the DOW will maintain a single reserve fund equal to at least 30% of the DOW's last audited operating revenues; delete BP 26 which is the ERF & BP 27 which is the DSRF and expand the list of restricted uses to include unfunded non-recurring costs such as spikes in pension and retirees' health costs.

Con: None.

Option 2: Do Not Approve; refer to Finance Committee for further discussion.

Pros: The Board and staff will have ample time to review and discuss the revised proposal and may come out with new ideas and recommendations before it goes to the Board for final action.

Cons: The additional time needed may delay some financial decisions that may come up.

Option 3: Do Not Approve.

Pros: No Board Policy changes on ERF & DSRF; total of the reserve funds remains equal to approximately 30% of the Annual Operating Revenues.

Cons: The existing ERF & DSRF will remain unchanged but will include no provision to address spikes in expenditures that are unfunded.

MY/ein

Attachment: Board Policy 26 – Emergency Reserve Fund (ERF) Updated 5-24-19
Board Policy 27 – Debt Service Reserve Fund (DSRF) Approved 7-24-14
Proposed Board Policy No. 31 – The DOW Reserve Fund

Mgrpp/May 2020/20-40/Discussion and Possible Action on the Proposed Board Policy No. 31 to Fund the Net Pension Liability and the Net Other Post Employment Benefit Liability as determined by the Government Accounting Standards Board (Update) (1-24-20, 2-28-20, 4-17-20, FCM 5-19-20):ein

BOARD OF WATER SUPPLY POLICY No. 31

RE: RESERVE FUND

I. Objective:

To establish and maintain a minimum reserve of thirty percent (30%) of the Department of Water (DOW)'s operating revenues based upon the audited financial statements of the immediately preceding fiscal year. This Reserve Fund shall serve to ensure the financial stability of the DOW including its ability to fund its obligations, while also ensuring the flexibility to respond to crisis situations as more fully described by the terms of this Policy.

II. Background:

Board Policy No. 26, Emergency Reserve Fund, was established to authorize the Manager and Chief Engineer to incur obligations or make expenditures from the Emergency Reserve Fund for use in the event of an emergency, disaster, or other severe crises without additional Board approval.

Board Policy No. 27, Debt Service Reserve Fund, was established to ensure full and timely payments of interest and principal obligations to creditors arising out of the DOW's short and long term debt.

III. Effect of Board Policy No. 31

1. Board Policy No. 26, Emergency Reserve Fund, is hereby rescinded and superseded in its entirety by this Policy.
2. Board Policy No. 27, Debt Service Reserve Fund, is hereby rescinded and superseded in its entirety by this Policy.

IV. PROCEDURE: Disbursements from the reserve fund shall be restricted to the following:

1. **Emergency Response.** Expenditures for emergency response shall be guided by the following:
 - 1.1 The Manager & Chief Engineer or authorized designee ("Manager") must make a determination that an emergency or severe crisis exists. A federal, state, or county emergency proclamation shall meet this requirement without further action by the Manager.
 - 1.2 The DOW must submit a Manager's Report to inform the Board of Water Supply (Board) of any emergency use of the Reserve Fund at the next occurring board meeting which includes any anticipated emergency DOW needs.

2. **Disbursements to pay the DOW's debt service requirements.**

2.1 The DOW must submit a Manager's Report to the Board for approval to expend from the reserve fund in the event the department is unable to meet its loan obligations from the DOW's existing current resources in a timely manner.

3. **Disbursements to pay unfunded non-recurring costs.**

3.1 The DOW must submit a Manager's Report to the Board for approval to pay for non-recurring costs if the department doesn't have enough available resources from its current operations to pay in a timely manner unbudgeted non-recurring costs as follows:

- 3.1.1 Uncovered insurance claims to pay the self-insurance deductibles for related fleet vehicle claims, liability, and property claims.
- 3.1.2 Unfunded legal services and legal claims.
- 3.1.3 Unfunded mandates and spikes in pension and OPEB costs.

V. Maintenance of the Reserve Fund.

- 1. The DOW shall maintain a minimum reserve fund equal to at least 30% of the DOW's operating revenues based upon the audited financial statements of the immediately preceding fiscal year.
- 2. The minimum target reserve of 30% mentioned above shall have sufficient funding reserve to meet the following requirements:
 - 2.1 Emergency Reserve equal to Twenty-five percent (25%) of the last audited operating expenses, net of non-cash expenditures.
 - 2.2 Debt Service Reserve equal to one half (1/2) of the debt service requirement for the upcoming fiscal year;
 - 2.3 Self-insurance deductible as provided under the County of Kauai's Insurance Policy.
- 3. The Department shall provide a report of any or all disbursements from the reserve fund during a given year.
- 4. The reserve fund may be replenished within the same year if funds become available otherwise it shall be adjusted and replenished during the annual budget process within the next budget fiscal year.

APPROVED BY:

Chairperson, Board of Water Supply

Date

BOARD OF WATER SUPPLY POLICY NO. 26 (*Updated May 24, 2019*)

Re: Emergency Reserve Fund (ERF)

The Board of Water Supply (BWS) deems it prudent to establish an Emergency Reserve Fund (ERF) as a contingency for unforeseen events or crises that may arise.

Purpose: As authorized by the Manager and Chief Engineer the Department may incur obligations or make expenditures from the ERF for use in the event of an emergency, disaster, or other severe crises without additional Board approval.

Establishment of the Emergency Reserve Fund (ERF): The establishment of the ERF provides a separate fund for the DOW to use that is not to be used for normal and ordinary business purposes.

ERF Requirements:

1. The ERF shall be funded from the DOW's general operating account.
2. A separate general ledger fund account shall be established and maintained as the Emergency Reserve Fund.
3. The amount in the ERF shall be reviewed and approved annually during the preparation of the DOW's annual operating and capital outlay budget.
4. The ERF Funding requirement shall be the total of:
 - a. The maximum deductible limit on the County of Kaua'i's insurance policy, plus
 - b. 25% of the DOW's Total Operating Expenses based on the prior year's audited financial statements, less
 - c. Interest Expenses, less
 - d. Depreciation & Amortization Expenses, less
 - e. Any non-cash operating expenses, (i.e. The County of Kaua'i's contra-claim).
5. At the beginning of each fiscal year, the ERF shall be adjusted to equal the ERF amount as shown above. If necessary, an accounting entry to "transfer in" or "transfer out" funds in the ERF shall be done in accordance with the approved annual operating budget to record the adjustment.
6. Expenditure of ERF funds; Reporting.
 - a. In order to expend ERF funds:
 - i. The Manager and Chief Engineer must make a determination that an emergency, disaster, or severe crisis exists. Where the Governor of the State of Hawai'i or the Mayor of the County of Kaua'i has issued a proclamation pursuant to HRS 127A for which the expenditure of funds is proposed, such a proclamation satisfies the requirements of this subsection (i).

- ii. The balance of the general operating account must be insufficient to cover the DOW's necessary operating expenditures as a result of an emergency, disaster, or crisis.
- b. Where ERF funds are expended, the DOW will provide a report to the BWS at the next occurring Board meeting of the expenditures, balance of the ERF, and any then known anticipated expenditures.

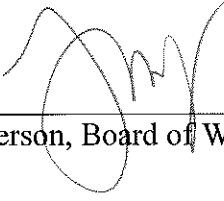
Operating Procedures:

The DOW shall procure or maintain emergency standby contracts for materials, services, and equipment. The DOW shall periodically (but not less than annually) report to the BWS the emergency standby contracts entered into by the DOW.

The ERF will be restricted to the following uses:

- A. Insurance Claims not covered by the County of Kaua'i's Insurance Policy. The DOW is covered under the County of Kaua'i's insurance policy; however, the insurance deductible is subject to change. Therefore, should the maximum deductible amount change, the DOW shall adjust the ERF amount on the next budget year as soon as possible.
- B. In the event of an emergency, the following procedures shall be followed:
 1. The DOW must continue to adhere to the procurement laws and regulations of the State of Hawai'i.
 2. The DOW must submit a Manager's Report to inform the Board of any use of Emergency Reserve Funds at the next occurring Board meeting. The report shall also include any anticipated emergency needs of the DOW.
 3. If necessary, the DOW will request a special board meeting to present the emergency needs of the DOW.
 4. Labor is to be furnished from DOW staff. The budgeted funds for labor costs shall be exhausted in any budget year before any monies from the emergency operations reserve fund are used for the purpose of labor costs.
 5. If necessary, emergency contract labor may be utilized. At the earliest Board meeting possible, the DOW shall submit a Manager's Report to inform the Board if any new contracts or contract amendments requiring additional funds have been utilized or will be utilized with funds from the ERF. The report shall also include monthly reports of expenses and reimbursements from the emergency standby contracts, amounts invoiced, labor expenditures, and any other significant information.
 6. Funds that are expended from the ERF Fund shall be replaced as expeditiously as possible.

APPROVED BY:



Chairperson, Board of Water Supply

Date:

5/24/2019

RE: EMERGENCY RESERVE FUND (ERF)

Effective date: _____

BOARD OF WATER SUPPLY POLICY NO. 27

Re: Debt Service Reserve Fund (DSRF)

The Debt Service Reserve Fund (DSRF) is a reserve fund established on June 28, 2012 to service Department of Water (DOW) interest and principal payment obligations arising out of DOW short and long term debt. One of the purposes of the fund is to insure full and timely payments to DOW creditors.

Maintenance of the DSRF:

The DOW shall establish and maintain a DSRF equal to one half (½) of the upcoming fiscal year's Debt Service Requirement (DSR). Changes for each upcoming fiscal year shall coincide with the preparation of the DOW's annual budget. As changes occur in the DSR for any upcoming fiscal year, the DSRF shall be adjusted accordingly.

DSRF Requirements:

1. The DSRF shall be funded from the DOW's general operating account.
2. A separate general ledger fund account shall be established and maintained for the DSRF.
3. Bookkeeping and accounting adjustments to the DSRF shall occur at the beginning of each fiscal year to equal one half (½) of the upcoming fiscal year's annual DSR.
4. Disbursements from the DSRF require BOW approval.

APPROVED BY:

Date:



Chairperson, Board of Water Supply

JUL 24 2014

RE: DEBT SERVICE RESERVE FUND (DSRF)

JUL 24 2014

Effective date: _____

Fund Balance Projections

Analysis: Fund Balance Vs. Cash & Cash Equivalent	Fund Balance Projections							
	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Unrestricted Fund Balance (Estimated)	\$32,536,221	\$5,200,000	\$4,100,000	\$0	\$1,995,579	\$9,921,425	\$0	\$53,753,224
Encumbrances - PO & Contracts (-)	\$15,683,887	\$0	\$0		\$1,309,924	\$3,738,063	\$0	\$20,731,873
Current Liabilities, excluding Debt (-)	\$0							\$0
Estimated Available Resources for Budget Appropriation - 7/1/20	\$16,852,334	\$5,200,000	\$4,100,000	\$0	\$685,655	\$6,183,362	\$0	\$33,021,351
Revenues	\$31,563,000	\$0	\$0		\$640,291	\$35,000	\$0	\$32,238,291
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$48,415,334	\$5,200,000	\$4,100,000	\$0	\$1,325,946	\$6,218,362	\$0	\$65,259,642
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	-\$8,842,008	\$5,200,000	\$4,100,000	\$0	\$650,946	\$218,362	\$0	\$1,327,300

Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.

Fund Balance Projections (1)

Fund Balance Projections								
Option 1	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Cash, Investments & Receivables as of 4/30/2020	\$51,386,502	\$5,200,000	\$4,100,000	\$0	\$1,995,579	\$9,921,425	\$0	\$72,603,506
Encumbrances - PO & Contracts (-)	\$15,683,887	\$0	\$0		\$1,309,924	\$3,738,063	\$0	\$20,731,873
Current Liabilities, excluding Debt (-)	\$3,980,097							\$3,980,097
Estimated Available Resources for Budget Appropriation - 7/1/20	\$31,722,518	\$5,200,000	\$4,100,000	\$0	\$685,655	\$6,183,362	\$0	\$47,891,535
Revenues	\$34,606,164	\$0	\$0		\$640,291	\$35,000	\$0	\$35,281,455
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$66,328,682	\$5,200,000	\$4,100,000	\$0	\$1,325,946	\$6,218,362	\$0	\$83,172,991
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	\$9,071,340	\$5,200,000	\$4,100,000	\$0	\$650,946	\$218,362	\$0	\$19,240,649
Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.								

Fund Balance Projections (2)

Fund Balance Projections								
Option 2	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Cash, Investments & Receivables as of 4/30/2020	\$51,386,502	\$5,200,000	\$4,100,000	\$0	\$1,995,579	\$9,921,425	\$0	\$72,603,506
Encumbrances - PO & Contracts (-)	\$15,683,887	\$0	\$0		\$1,309,924	\$3,738,063	\$0	\$20,731,873
Current Liabilities, excluding Debt (-)	\$3,980,097							\$3,980,097
Estimated Available Resources for Budget Appropriation - 7/1/20	\$31,722,518	\$5,200,000	\$4,100,000	\$0	\$685,655	\$6,183,362	\$0	\$47,891,535
Revenues	\$31,563,000	\$0	\$0		\$640,291	\$35,000	\$0	\$32,238,291
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$63,285,518	\$5,200,000	\$4,100,000	\$0	\$1,325,946	\$6,218,362	\$0	\$80,129,826
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	\$6,028,176	\$5,200,000	\$4,100,000	\$0	\$650,946	\$218,362	\$0	\$16,197,484
Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.								

New Business

DEPARTMENT OF WATER

County of Kaua'i

"Water has no Substitute – Conserve It!"

April 17, 2020

Re: Proposed Operating and Capital Budget for FY 2020-2021

RECOMMENDATIONS:

1. Board review and approval of the Department of Water ("DOW")'s Proposed Annual Operating budget for Fiscal year ("FY") 2020-2021.
2. Board review and approval of the DOW's Proposed New Capital Outlay Budget for FY 2020-2021.
3. Board review of the DOW's Outstanding Purchase Orders ("PO") from FY 2020-2021 and approval of the budget rollover to FY 2020- 2021.

BACKGROUND:

The DOW is a semi-autonomous agency of the County of Kauai operating as an enterprise fund. The operations are managed by the Manager & Chief Engineer who is appointed by the Board of Water Supply ("Board") with a Deputy Manager and seven Division Heads, each managing their respective divisions.

The DOW's proposed budget is a compilation summary of each division's programs and planned projects for the FY 2020 – 2021. It consists of the following:

- I. The Operating Budget.
- II. The New Capital Outlay and
- III. Rollover of Outstanding Purchase Orders ("PO").

A summary of Purchase Order ("PO") rollovers for unexpended encumbrances such as Contracts and Purchase Orders will be submitted as a supplemental budget under a separate cover after closing the financial accounting system as of FY June 30, 2020 is completed.

There are three (3) Sources of Funds that are maintained separately and these are:

1. The Water Utility Fund ("WUF")
2. The Facilities Reserve Charge ("FRC")
3. The Build America Bond ("BAB").

The WUF is the general operating fund of the DOW. It is used to finance the DOW's operating expenses and various capital outlays in accordance with the budget as approved by the Board.

I. The Operating Budget

The DOW's main source of revenue is generated from water sales. Historically, the DOW provided an annual average of four billion gallons of water to over 22,000 customer accounts from single to multi-family dwellings, agricultural, commercial, government and other mixed-use accounts from the operation and maintenance of nine different public water systems island wide.

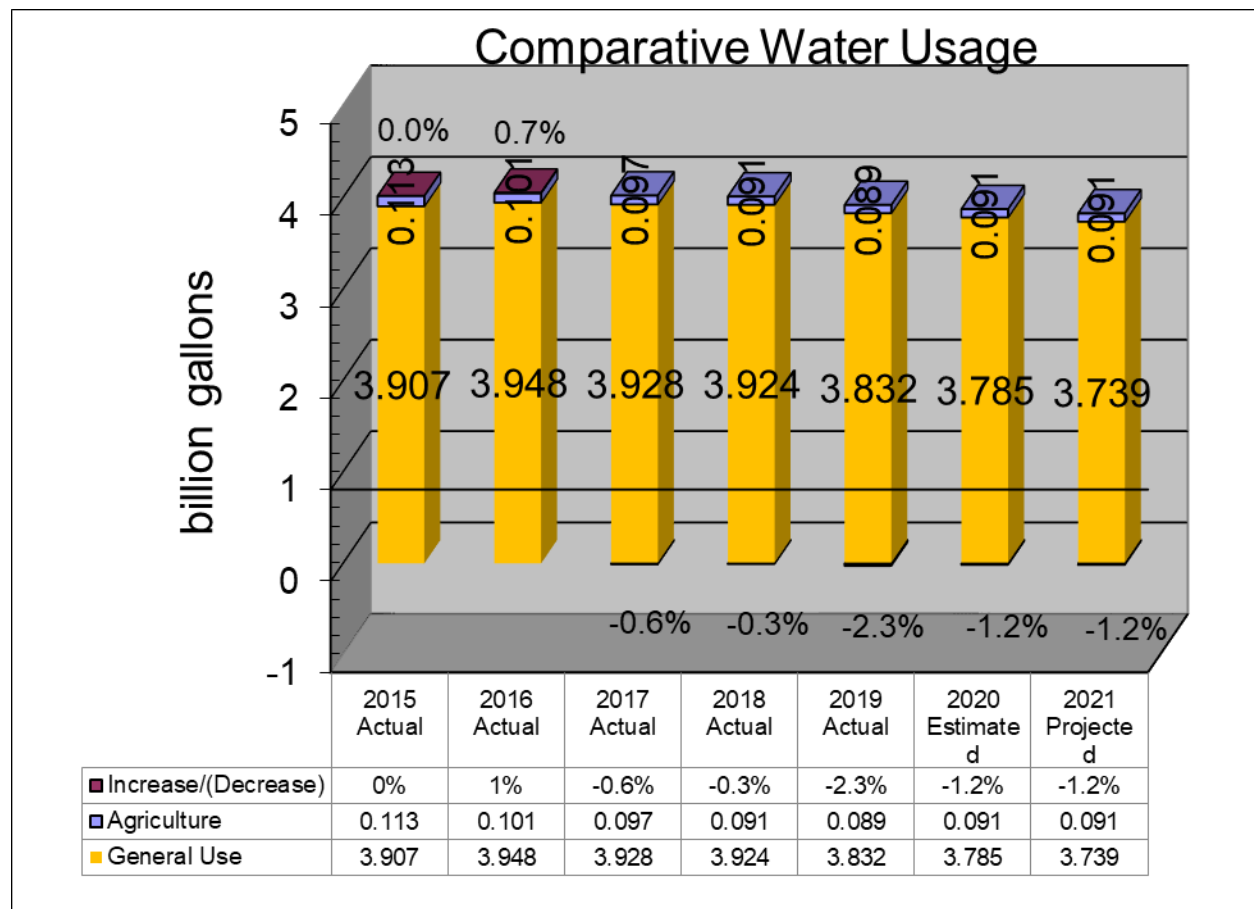
The DOW's proposed budget projects a ten percent (10%) decrease in water sales for FY 2020-2021. An analysis of the fiscal year (FY) to date water consumption as of March, 2020 returned a one percent (1%) increase but the last two months of February and March, 2020 reported a sharp decline of seven percent (7%) each month. This decline is expected to continue as a result of the COVID-19 pandemic because

majority of businesses in the travel and tourism industry such as hotels and resorts were forced to reduce their operations or shut down completely. These groups comprise the top 100 customer water users of the island.

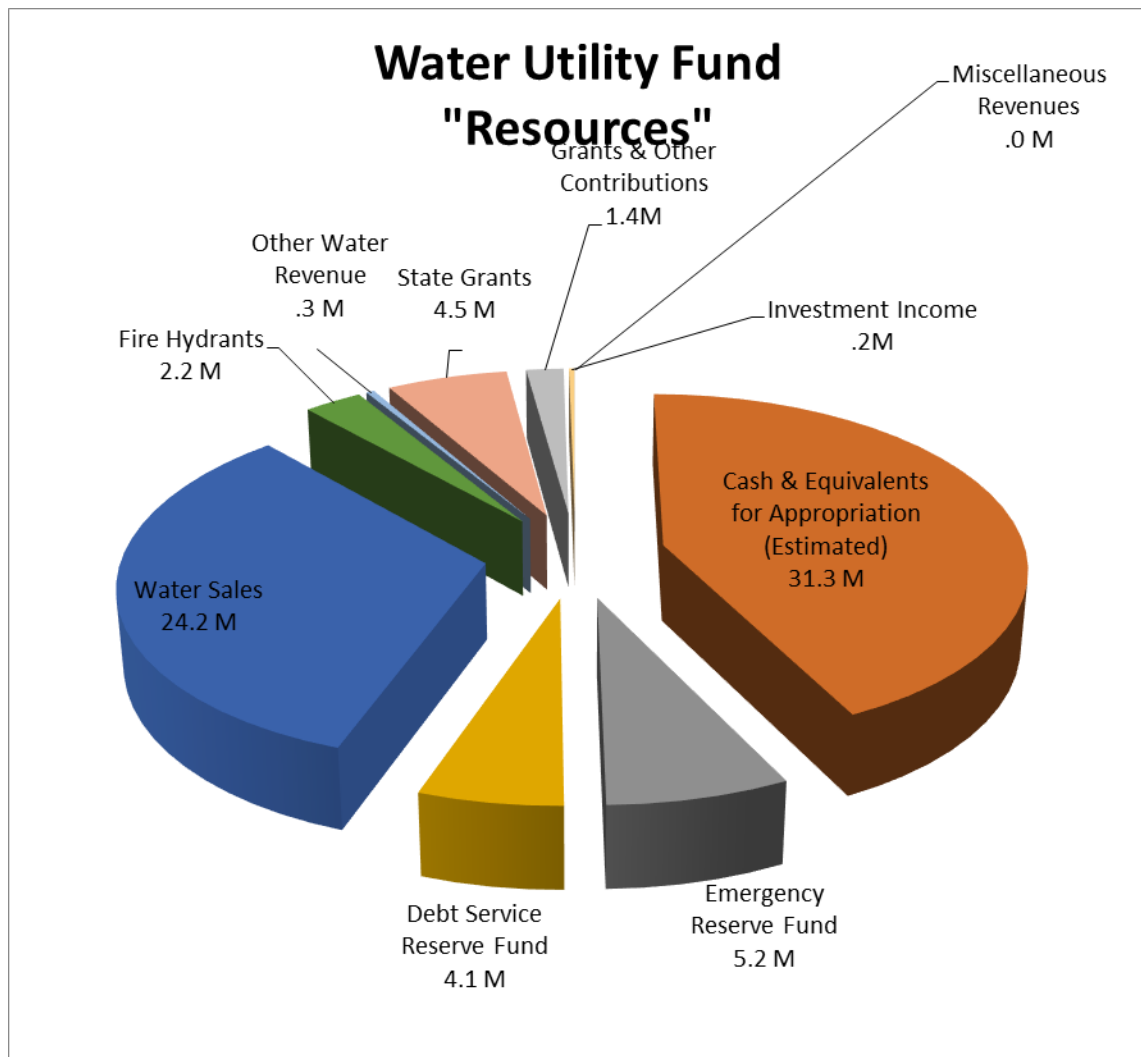
There's no projected water rate increase in FY 2021. The current water rate charges are based on the last water rate increase implemented on July, 1, 2014. There have not been any rate increases since then.

Currently, the DOW's ongoing water rate study was deferred due to pending fiscal policies that are being worked on by the department.

The chart below is a five-year illustration of the actual water consumption in billions of gallons from fiscal years ending 2015 – 2019, estimated consumption for the remainder of FY 2020, and the projected water consumption for FY 2021.



A. PROJECTED AVAILABLE RESOURCES – WATER UTILITY FUND: \$63,065,033



The DOW's Projected Resources are comprised of the following:

1. Beginning Balance - Available Resources - \$40,617,826 (estimated).

The DOW's available resources from Cash, Investments and Accounts Receivable as of March 31, 2020 minus outstanding Purchase Orders and Current Liabilities net of Short Term Debt were used to estimate the beginning balance - available resources as of July 1, 2020. This is an estimate and it will be updated with the final numbers after the close of FY 2020. This amount includes the DOW's Reserve Funds; the Emergency Reserve of \$5.2M and Debt Service Reserve of \$4.1M.

2. Operating Revenues \$32,743,700.00 (projected).

- 2.1 Water Sales - \$24,174,189.00** The projected water sales accounts for seventy-four percent (74%) of the projected revenues and receipts in FY 2021.

The water sales projection for FY 2021 is \$3.8 million (M) lower than the actual revenues collected in FY 2019 and \$2.8M lower than the FY 2019-2020 budget. Using the actual water consumption data as of March, 2020, total fiscal year to date water consumption had a cumulative increase of one percent (1%) as compared to the same month of the last FY 2019. This 1% increase would have been applied to the remaining three months of FY 2020 to arrive at an annualized FY 2021 estimated water sales but instead, a different approach was applied to account for the impact of the COVID-19 pandemic. The previous two months of water sales, February and March resulted in a seven percent (7%) average decrease in water consumption. This 7% decrease was applied to estimate the water sales for the remaining three months, April to June, 2020 and the annualized result was an average decrease of 1.2%. This 1.2% decrease was also applied to the projected FY 2021 water sales.

- 2.2 Revenue from Public Fire Protection - \$2,174,298.00.** The Revenues from Public Fire Protection at \$2,174,298 is a non-cash revenue that we bill the County of Kauai for the 2,983 total public fire hydrants and stand pipes that the DOW maintains island wide. The County does not pay the DOW for this bill but in exchange, DOW benefits from the countywide services that the County of Kauai provides to the DOW and its staff. A contra-expenditure account for the same amount offsets this revenue.

- 2.3 Other Water Revenues - \$300,000.** Revenues from this are non-recurring. They are generated from water and meter installations and other job services provided by the DOW.

2.4 Grants & Contributions- \$1,389,214.00

- FEMA -\$828,535. This amount is equivalent to seventy-five percent (75%) of the estimated total project costs submitted to FEMA for reimbursement in connection with the FEMA disaster declaration on the April, 2018 rain event and flooding. There are two (2) projects completed and three other projects are being actively worked on and coordinated with other agencies.
- BAB Subsidy - \$560,679. The DOW will receive a BAB Subsidy of \$800,970; \$560,679 or 70 percent (“70 %”) is allocated to WUF and the remaining 30 percent (“30 %”) or \$240,291 is allocated to the FRC fund.

- 2.5 State Grants - \$4,00,000.00.** The DOW received a state grant appropriation of \$4.5M for three projects. Details of these projects funded by this grant are included in the Capital Outlays’ budget in the following pages below.

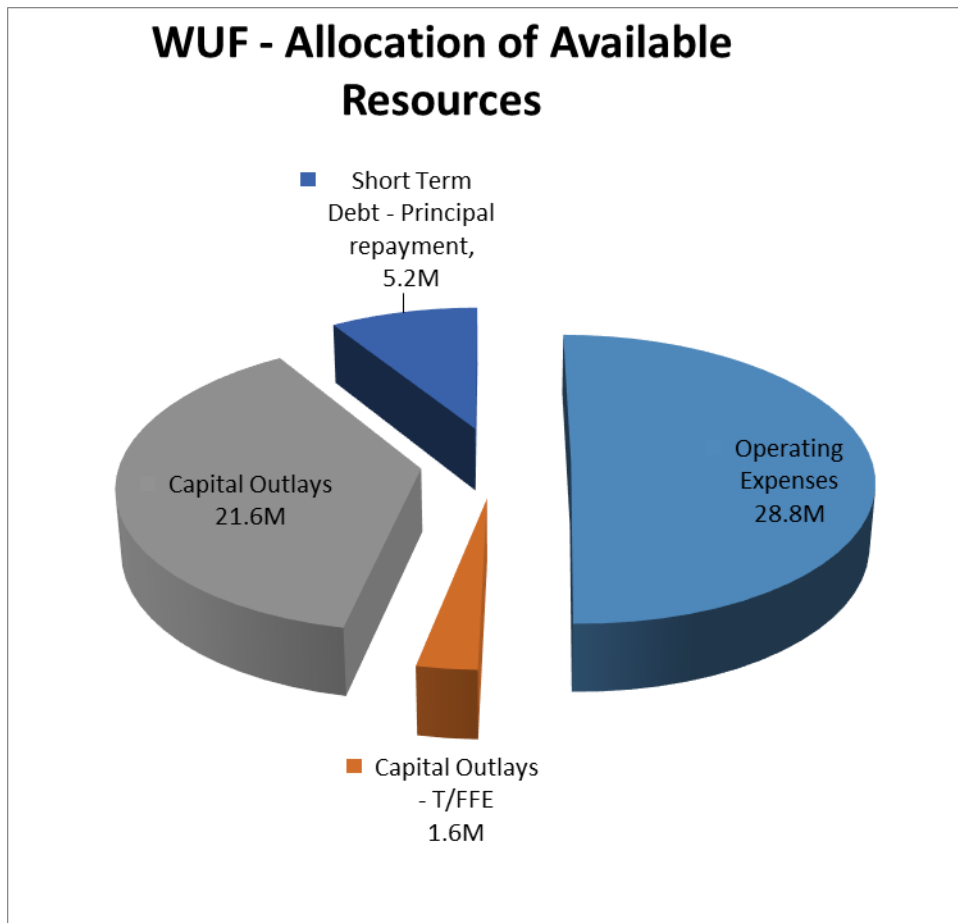
- 2.6 Investment income - \$300,000.** The DOW maintains its investments through the County of Kauai’s pooled investment portfolio. The investment income is projected based on net interest income and fair value adjustments of the total DOW investment portfolio.

- 2.7 Miscellaneous Revenues - \$6,000.** This is projected for gains or losses from the disposal of capital assets, and other revenues.

- 3. Non-Revenue Cash Inflow – None.** The Department of Water does not anticipate any State Revolving Fund Loan or Bond Proceeds in FY 2020.

4. **Transfers in – WUF – None Transfers** – In from FRC to WUF is a process to reimburse WUF the 30 percent (“30 %”) debt service allocation of debt financed expansion projects. The FRC Fund has an estimated net available balance of \$692,449 as of 7/1/2020. The projected FRC Receipts is \$400,000 and \$240,291 from the 30% allocation of BAB subsidy. The New Capital Outlay – CIP proposed budget under FRC is \$675,000 leaving \$657,740 in projected remaining funds. There’s no transfer to WUF proposed at this time.

B. ALLOCATION OF PROJECTED RESOURCES - WUF:



1. Operating Expenses - \$28,836,601.00

The DOW’s operating expenses are summarized by major expenditure items or similar categories for this report. An Operating Expense Summary and an Operating Expense Detail are attached for your further review, analysis and discussion thereof.

- 1.1 DOW’s Salaries and Wages for FY 20-21 are budgeted at \$7,880,376
- 1.2 which is a decrease of \$68,977 thousand (“K”) from the prior fiscal year’s budget. This is equivalent to .5% decrease in budget from FY 2020. The average (across the board) salary increases are estimated at 3.5% which can still go up for increases due to step movements and within range progressions. Salaries are negotiated with the different

bargaining units. The latest negotiated contracts started in FY 2020 and ends at the end of FY 2021.

Included in the “Salaries & Wages” budget is \$1.3 M in budgeted vacancy positions. There are currently thirty-three (33) vacant positions with the proposed funding as follows: eight (8) are funded at 100%, seven (7) at 75%, eleven (11) at 50%, two (2) at 25%, one (1) at 8.33% and four (4) not funded. Some of these vacant positions are currently in active recruitment.

- 1.3 The DOW’s FY 2021 active employee benefits budget is \$4,245,483 an increase of \$219,737 or 7% increase from FY 2020 budget. The employee benefits are comprised of the FICA employer taxes, EUTF for health plan premiums, Employee Retirement System (ERS) for pensions and Other Post-Employment Benefit (“OPEB”) for retiree medical benefits.

The budget for FICA taxes is a fixed percentage of 7.65% calculated based on the total salaries budget while the ERS contributions was calculated at 24%, a 2% increased 2% from 22% last fiscal year. Life and Health Insurance benefits were fixed amounts based on the subscribers’ plan coverage and the Other Post-Employment Benefits (OPEB) was a fixed amount determined through the State of Hawaii’s actuarial study.

- 1.4 Services, which include Professional Services, Accounting & Auditing, Other General Services, Public Relations and Miscellaneous Services totaled \$4,204,720, a decrease in budget of \$576,244 or -12% from FY 2020 budget. Major projected expenditures under the Services category are:

- 1.4.1 Professional Services – General; this budget line item decreased by \$512 thousand (K) as compared to FY 2020 budget. Detailed changes are itemized below:

1.4.1.1 Administration - \$12.5K – increasing the budget from 371.3K to \$383.8K for two budget items; legislative liaison and leadership training.

1.4.1.2 Information Technology (IT) budget decreased by \$160K from \$220K to \$60K. The change is from the IT Strategic Plan – financial system upgrade budget from \$150K to \$0. in FY 2021.

1.4.1.3 Water Quality – decreased by \$69.7K. The EPA mandated laboratory testing was funded in the previous fiscal year with a two-year contract so no additional funds is needed for FY 2021.

1.4.1.4 Construction Management (CM) – As needed CM was decreased by \$650K. Several “as needed CM” contracts were issued in the previous year and the services are continuing unto the FY 2021 so no additional funds are needed in FY 2021.

1.4.1.5 Engineering increased by \$80K with two new items; Baseyard Master Plan & PER for Wailua Homesteads.

1.4.1.6 Fiscal-Billing budgeted for a new item “Consulting Services” for billing and Fiscal- accounting budget increased by \$175K to continue the implementation of GP upgrade, GP Office 365 and SharePoint implementation.

- 1.4.2 Accounting and auditing budget –budget is the same as FY 2020.

- 1.4.3 Other services & Billing costs – Accounting/admin- other services’ budget for \$55K decreased by \$9.4K and Billing costs budget decreased by \$42K the same. The decrease in billing costs is an adjustment relative to the prior year’s actual costs.

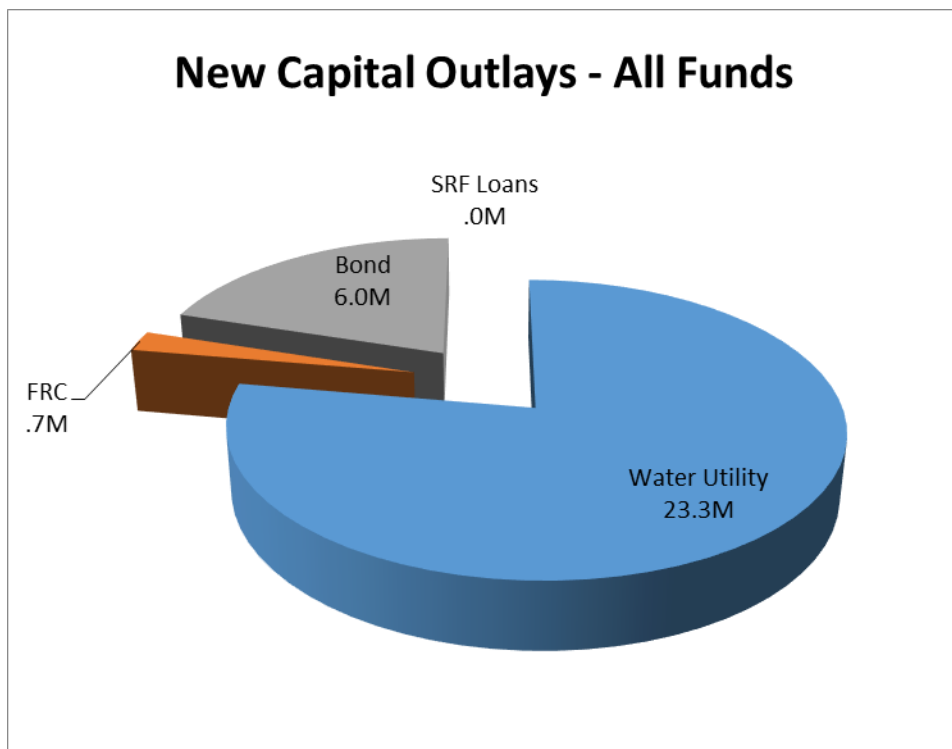
- 1.4.4 Public Relations, increased by \$35.6K, Communications increased by \$3.3K while freight and Postage decreased by 2K.
 - 1.4.5 Insurance –decreased by \$50K. Self-deductible claims for insurance not covered under the county’s insurance policy is covered under the DOW’s reserve fund.
- 1.4 County Service Charge at \$2.17M is a non-cash expenditure where revenues from public fire hydrants are billed to the County of Kauai and no payment is collected. In exchange for services rendered by the County of Kaua’i to the DOW, the same amount is recorded as a contra-expenditure against the non-cash revenue.
- 1.5 Utility Services budget at \$2.9M increased slightly by \$1.3K as compared to FY 2020 budget.
- 1.6 Repairs & Supplies, which includes Repairs & Maintenance for water systems, Repairs & Maintenance – (other than water systems), Office & Operating Supplies, Fuel and Bulk Water Purchases have a total proposed budget of \$4.02M which decreased by \$213K. The decreases are from the following; Operating Supplies of \$261K and Repairs & Maintenance by \$10K. Repairs & Maintenance Other than Water system increased by \$47K and Repairs & Maintenance - Other than Water System increased by \$91.6K, Fuel by \$7K and Bulk Water Purchase by \$4.
- 1.7 Human Resources budget includes Books, Publications & Memberships, Training & Development, Travel & per diem and Meeting expenses for both staff and board members. Budget for this category increased by \$31.6K.
- 1.8 Interest Expense- total annual interest expense for FY 2021 is \$3.1M which decreased by \$200K from \$3.27M in FY 2020 budget.
2. **Debt Service – Principal - \$5,016,541.00.**
- Annual Debt Service Requirements (DSR) equals \$8.23M; \$5.16M of this amount is payment for debt principal.
3. **Miscellaneous Capital Purchases – Technology, Furniture, Fixtures & Equipment - \$1,625,200.** This amount represents capital expenditures for both Rehabilitation & Replacement (R&R) and Expansion. Detailed explanation will be covered further under the New Capital Outlays budget in part II.
4. **New Capital Outlay – CIP \$21,635,000.00.** This amount represents the proposed CIP for both Rehabilitation & Replacement (R&R) and Expansion. Detailed explanation will be covered further under the New Capital Outlays budget in part II.
5. **Reserve Transfers – None at this time.** It may be adjusted subsequently if the proposed board policy # 31 is approved by the board. The proposed board policy # 31 may replace Board Policies 26 & 27 but all the approved uses for emergency reserve fund and debt service reserve fund will remain in place.

II. New Capital Outlay – All Funds - \$29,935,200.00

In addition to the operating expenses, debt service and reserve transfers, the DOW has a separate new capital outlay budget. Below is a detailed breakdown of the New Capital Outlay budget.

The DOW Capital Outlays are funded from the different DOW funds based on the purpose/s of the project. The purpose is identified in two categories; **Expansion projects or Rehabilitation & Replacement (“R&R”)**. A single project can be categorized as “Expansion” or “R&R” or both. Once the project manager identifies the purpose/s of the project, the funding source is assigned. The DOW maintains three (3) different funds as follows:

- 1.1 Water Utility Fund (WUF)
- 1.2 Facility Reserve Charge (FRC) Fund
- 1.3 Build America Bond (BAB) Fund



The Proposed Capital Outlay budget is categorized and funded below as follows:

1. Capital Outlay / Water Utility Fund: \$23,260,200.

1.1 Miscellaneous Capital Purchases – Technology, Furniture, Fixtures & Equipment (TFFE) - \$1,625,200.00. This amount represents both R&R and Expansion as follows:

- Replacement budget of \$1.17 M consists of the following:
 - Information Technology budget - \$270K for the Replacement of Asset Management System @ \$ 230K and CMDP Federal/State Reporting System @ \$40K.
 - Construction Management budget for miscellaneous building permits - \$10K.
 - Fiscal –billing budget - \$150K to replace two (2) Meter Reader/Field Collection clerks @ \$35K each, \$50K for lobby assessment to address acoustics & slippery surface floor and \$30K for Customer Service counter improvements.
 - Operations budget - \$742K for Pump & Motor replacements @ \$300K, vehicle replacement @ \$60K, two (2) generators @ \$200K and replacement of equipment @ \$182K.

- New Purchases budget of \$453.2K consists of the following:
 - Information Technology budget - \$425K for the development of web based GIS viewer and mapping layer @ \$315K and purchase of new computers @ \$110K.
 - Construction Management budget for miscellaneous building permits - \$10K
 - Operations budget - \$ 18,200 to buy new scanners for inventory stock items.

1.2 Capital Outlay- Capital Improvement Projects (CIP): R&R - \$21,635,000.00

- R&R – Design - \$ 1,090,000.00 proposed budget consists of the following:
 - Building Permit Fees - \$10K
 - Baseyard Master Plan Phase I - \$ 1.08M

- R&R – Construction Management - \$17,705,000 proposed budget consists of the following:
 - Yamada Tank, Clear well connecting PL - \$13.2M
 - Kilauea 1 & 2 MCC - \$3.76M
 - Kukuilono tank demo - \$ 750K

- R&R – Operations - \$2,840,000.00. Proposed budget is as follows:
 - SWTP Water Treatment Delivery Agreement with Grove Farm- \$2.84M

1.3 Capital Outlay - CIP: Expansion – None

2. Capital Outlay/ FRC Fund – \$675,000.00

2.1 Expansion - Design – \$450,000.00.

- Develop Kapa’a well No. 4 site improvement - \$ 450K

2.2 Expansion - CM - \$ 225,000.00.

- Hanapepe River Bridge \$ 225K.

3. Capital Outlay / BAB Fund- \$6,000,000.00

3.1 R&R - None

3.2 Expansion - Construction. -\$ 6,000,000.00

- Kalaheo 1111' & 1112' WS Improvement Pkg A,B,C - \$6M.

II. Rollover of Outstanding Purchase Orders (PO).

A summary of Purchase Orders (“PO”) rollovers for unexpended encumbrances such as Contracts and Purchase Orders will be submitted as a supplemental budget under a separate cover after the financial closing of FY 2020 is completed.

Thank you for your attention to these matters and we look forward to working together with you on the proposed budget.

MY:ein

Fund Balance Projections

Fund Balance Projections								
	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Cash, Investments & Receivables as of 3/31/2020	\$50,931,938	\$5,200,000	\$4,100,000	\$0	\$1,926,957	\$9,825,873	\$0	\$71,984,768
Encumbrances - PO & Contracts (-)	\$16,055,769	\$0	\$0		\$1,234,508	\$3,742,906	\$0	\$21,033,183
Current Liabilities, excluding Debt (-)	\$3,558,343							\$3,558,343
Estimated Available Resources for Budget Appropriation - 7/1/20	\$31,317,826	\$5,200,000	\$4,100,000	\$0	\$692,449	\$6,082,967	\$0	\$47,393,242
Revenues	\$32,743,700	\$0	\$0		\$640,291	\$35,000	\$0	\$33,418,991
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$64,061,527	\$5,200,000	\$4,100,000	\$0	\$1,332,740	\$6,117,967	\$0	\$80,812,233
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	\$6,804,185	\$5,200,000	\$4,100,000	\$0	\$657,740	\$117,967	\$0	\$16,879,892

Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.

Revenue Summary

		FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
REVENUES							
Water Utility Fund		\$32,006,961	\$30,832,569	\$36,894,780	\$34,762,769	\$24,466,328	\$32,743,700
10-00-00-400-000	Water Sales	\$28,445,143	\$27,910,121	\$27,959,468	\$26,929,850	\$20,542,034	\$24,174,189
10-00-00-405-000	Revenue from Public Fire Protection	\$2,133,294	\$2,136,510	\$2,174,298	\$2,136,510	\$1,630,724	\$2,174,298
10-00-00-410-000	Other Water Revenue	\$335,888	\$395,067	\$348,905	\$250,000	\$133,537	\$300,000
10-00-00-430-000	Federal Grants (FEMA)	\$0	\$0	\$32,228	\$828,535	\$0	\$828,535
10-00-00-432-000	State Grants	\$330,405	\$0	\$3,754,453	\$3,800,000	\$1,350,364	\$4,500,000
10-00-00-440-000	Capital Contributions - Cash Receipts	\$619,529	\$604,085	\$586,575	\$611,874	\$438,912	\$560,679
10-00-00-440-010	Capital Contributions - Non - Cash Receipts	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	-\$294,918	-\$807,073	\$1,150,866	\$0	\$0	\$0
10-00-00-461-000	Investment Income	\$417,287	\$567,364	\$812,034	\$200,000	\$367,216	\$200,000
10-00-00-470-000	Gain or Loss on Disposal of Capital Assets	\$18,554	\$18,554	\$0	\$5,000	\$0	\$5,000
10-00-00-480-000	Gain or Loss from the Retirement of Debt	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-490-000	Miscellaneous Revenues	\$1,781	\$7,940	\$75,953	\$1,000	\$3,541	\$1,000
Water Utility Fund Bond and Loan Proceeds		\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-498-300	WU Bond Proceeds	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-499-600	WU/ Loan Proceeds - SRF Loan	\$0	\$0	\$0	\$0	\$0	\$0
FRC Fund		\$613,657	\$1,093,629	\$696,519	\$662,232	\$1,057,131	\$640,291
20-00-00-424-000	Facility Reserve Charge	\$348,145	\$834,735	\$437,130	\$400,000	\$869,000	\$400,000
20-00-00-430-000	Federal Grants	\$265,512	\$258,894	\$259,389	\$262,232	\$188,131	\$240,291
20-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	\$0	\$0	\$0	\$0	\$0	\$0
20-00-00-461-000	Investment Income	\$0	\$0	\$0	\$0	\$0	\$0
Bond Fund		\$60,752	\$151,726	\$225,696	\$35,000	\$206,070	\$35,000
30-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	-\$229,160	-\$104,183	-\$13,847	-\$30,000	\$99,385	-\$30,000
30-00-00-461-000	Investment Income (Net of custodial fees & other investment cost)	\$289,912	\$255,909	\$239,543	\$65,000	\$106,684	\$65,000
SRF Fund		\$0	\$0	\$0	\$0	\$0	\$0
60-00-00-430-000	SRF - Federal Grants	\$0	\$0	\$0	\$0	\$0	\$0
60-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	\$0	\$0	\$0	\$0	\$0	\$0

Operating Expense Summary

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 YTD Actual Exp. - As of 2/28/19		FY 2020-2021 Proposed Budget
OPERATING EXPENSES									
Water Utility Fund		\$21,895,366	\$22,846,711	\$29,484,540	\$22,640,351	\$29,527,971	\$15,648,026	53%	\$28,836,601
510-010	Salaries & Wages (Regular & Compensated Leave)	\$4,935,361	\$5,243,958	\$6,458,998	\$5,329,149	\$7,065,711	\$2,917,899	41%	\$7,047,876
510-020	Temporary Assignment	\$41,924	\$55,428	\$61,386	\$86,571	\$71,000	\$50,652	71%	\$60,500
510-030	Overtime	\$579,324	\$491,073	\$519,000	\$497,658	\$486,000	\$328,107	68%	\$477,000
510-040	Standby Pay	\$182,192	\$196,342	\$181,594	\$192,126	\$195,000	\$110,678	57%	\$195,000
520-040	Vacation & Compensatory Time Pay out	\$0	\$0	\$100,000	\$21,812	\$100,000	\$0	0%	\$100,000
530-010	FICA Taxes	\$404,526	\$431,116	\$560,055	\$447,135	\$605,705	\$247,335	41%	\$602,849
530-020	Retirement Contributions	\$2,269,719	\$2,157,977	\$1,382,436	\$1,108,853	\$1,731,996	\$721,798	42%	\$1,880,490
530-030	Life and Health Insurance	\$465,933	\$471,557	\$484,247	\$517,237	\$611,045	\$289,734	47%	\$685,145
530-040	Workers Compensation	\$2,954	\$15,215	\$0	\$0	\$0	\$0	0%	\$0
530-050	Unemployment Compensation	\$0	\$0	\$15,000	\$0	\$15,000	\$0	0%	\$0
530-060	Post Employment Benefits (OPEB)	\$968,000	\$988,943	\$1,011,000	\$1,223,378	\$1,077,000	\$789,186	73%	\$1,077,000
540-010	Professional Services - General	\$504,191	\$939,740	\$3,910,401	\$1,534,881	\$3,643,351	\$1,672,715	46%	\$3,131,801
540-020	Professional Services - Accounting and Auditing	\$58,805	\$75,132	\$106,800	\$58,668	\$106,800	\$69,900	65%	\$106,800
541-010	Other Services - General	\$47,367	\$33,676	\$60,878	\$33,209	\$64,478	\$30,942	48%	\$55,088
541-020	Other Services - Billing Costs	\$199,586	\$147,184	\$206,658	\$143,393	\$206,658	\$117,017	57%	\$164,418
542-010	Public Relations - General	\$62,009	\$97,148	\$111,300	\$78,061	\$80,089	\$55,286	69%	\$115,725
542-020	Procurement Advertising	\$10,069	\$12,550	\$10,000	\$0	\$10,000	\$5,497	55%	\$10,000
543-000	Communication Services	\$118,711	\$112,178	\$120,360	\$111,602	\$127,144	\$75,858	60%	\$130,444
544-000	Freight and Postage Services	\$338	\$7,840	\$16,370	\$3,891	\$16,370	\$2,019	12%	\$14,370
545-000	Rentals and Leases	\$114,527	\$44,311	\$153,075	\$80,159	\$131,075	\$44,014	34%	\$131,075
546-000	Insurance	\$69,109	\$279,240	\$1,195,000	\$62,466	\$395,000	\$1,358	0%	\$345,000
547-000	County Service Charge	\$2,133,294	\$2,136,510	\$2,133,294	\$2,174,298	\$2,136,510	\$1,449,532	68%	\$2,174,298
551-000	Utility Services	\$2,709,416	\$2,724,216	\$2,877,540	\$2,730,889	\$2,862,624	\$1,923,910	67%	\$2,863,878
560-000	Repairs and Maintenance - Water System	\$43,342	\$312,502	\$221,000	\$151,433	\$221,000	\$252,899	114%	\$211,000
561-000	Repairs and Maintenance - Other than Water System	\$708,299	\$380,061	\$627,150	\$452,061	\$700,750	\$287,033	41%	\$747,900
562-000	Office Supplies	\$13,196	\$20,307	\$22,000	\$20,307	\$22,000	\$11,901	54%	\$22,000
563-000	Operating Supplies	\$565,140	\$758,364	\$1,252,050	\$962,750	\$1,356,300	\$710,026	52%	\$1,095,300
564-000	Fuel	\$82,695	\$81,993	\$115,500	\$101,324	\$115,500	\$83,216	72%	\$122,500
565-000	Bulk Water Purchase	\$1,009,005	\$847,634	\$1,810,176	\$1,225,770	\$1,816,176	\$1,157,354	64%	\$1,820,176
570-010	Books, Publications, Subscriptions, and Memberships	\$23,701	\$34,110	\$30,045	\$10,807	\$32,845	\$20,751	63%	\$93,300
570-020	Books, Publications, Subscriptions, and Memberships - Boa	\$600	\$375	\$1,025	\$450	\$1,095	\$150	14%	\$1,095
571-010	Training and Development	\$74,294	\$48,120	\$127,580	\$72,074	\$80,880	\$36,387	45%	\$98,500
572-010	Travel and Per Diem	\$40,817	\$45,273	\$84,570	\$46,443	\$106,610	\$44,740	42%	\$118,180
572-020	Travel and Per Diem - Board	\$8,862	\$8,783	\$17,490	\$6,139	\$20,970	\$0	0%	\$20,970
573-010	Meeting Expense	\$2,288	\$3,702	\$26,400	\$8,683	\$37,290	\$12,927	35%	\$42,740
573-020	Meeting Expense - Board	\$5,680	\$5,054	\$14,075	\$7,609	\$9,952	\$914	9%	\$6,952
582-000	Interest Expense	\$3,440,092	\$3,639,100	\$3,460,087	\$3,139,065	\$3,268,048	\$2,126,288	65%	\$3,067,232
Water Utility Fund - Bond and Loan Proceeds and Repayment		\$4,717,296	\$4,884,833	\$4,883,749	\$4,883,749	\$5,017,034	\$4,657,465	93%	\$5,160,541
682-000	Debt Principal Repayment	\$4,717,296	\$4,884,833	\$4,883,749	\$4,883,749	\$5,017,034	\$4,657,465	93%	\$5,160,541
Water Utility Fund - Non Budgetary Operating Expenses		\$7,482,384	\$7,674,658	\$8,014,750	\$6,906,633	\$8,014,750	\$4,759,619	59%	\$7,252,653
580-000	Depreciation	\$6,821,400	\$6,931,203	\$7,314,750	\$6,153,980	\$7,314,750	\$4,606,387	63%	\$6,500,000
581-000	Amortization	\$660,984	\$743,456	\$700,000	\$752,653	\$700,000	\$153,232	22%	\$752,653
580-000	Inflows/Outflows	-\$41,932	-\$41,932	-\$41,932	-\$41,932	-\$41,932	-\$27,954	67%	-\$41,932

Items 601, 602 and 682 are balance sheet items that are tracked as revenues and expenses for convenience during the year.

Operating Expense Detail

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES (Detail)								
Water Utility Fund Operating Expenses		\$21,895,366	\$22,846,711	\$29,484,540	\$22,640,351	\$29,527,971	\$15,648,026	\$28,836,601
510-010	Salaries and Wages (includes compensated annual leaves and comp time.)	\$4,935,361	\$5,243,958	\$6,458,998	\$5,329,149	\$7,065,711	\$2,917,899	\$7,047,876
0-01-10-510-010	WU - Admin - Admin - Salaries and Wages	\$561,707	\$614,324	\$908,186	\$655,545	\$916,128	\$348,638	\$872,571
0-02-10-510-010	WU - IT - Admin - Salaries and Wages	\$160,362	\$194,141	\$245,649	\$193,677	\$214,258	\$63,235	\$244,634
0-10-40-510-010	WU - Qual - Purification - Salaries and Wages	\$216,663	\$227,789	\$233,339	\$235,476	\$241,893	\$130,353	\$254,442
0-20-10-510-010	WU - Eng - Admin - Salaries and Wages	\$243,947	\$229,591	\$306,930	\$195,246	\$358,838	\$113,952	\$280,945
0-21-10-510-010	WU - Const - Admin - Salaries and Wages	\$344,275	\$323,479	\$550,332	\$364,817	\$718,049	\$231,346	\$574,282
0-22-10-510-010	WU - Plan - Admin - Salaries and Wages	\$425,186	\$448,385	\$522,927	\$462,861	\$536,606	\$248,274	\$536,417
0-30-20-510-010	WU - Bill - Collection - Salaries and Wages	\$461,920	\$477,987	\$570,078	\$458,705	\$542,886	\$212,067	\$551,856
0-31-10-510-010	WU - Acctg - Admin - Salaries and Wages	\$406,898	\$447,502	\$503,168	\$454,216	\$506,989	\$250,920	\$612,757
0-40-30-510-010	WU - Ops - Source - Salaries and Wages	\$248,045	\$321,729	\$349,097	\$301,732	\$418,864	\$198,755	\$464,124
0-40-40-510-010	WU - Ops - Purification - Salaries and Wages	\$185,999	\$187,861	\$252,491	\$143,360	\$216,457	\$93,895	\$273,786
0-40-50-510-010	WU - Ops - PowerAndPump - Salaries and Wages	\$164,471	\$177,370	\$208,607	\$187,056	\$205,007	\$104,721	\$202,212
0-40-60-510-010	WU - Ops - TandD - Salaries and Wages	\$1,515,888	\$1,593,799	\$1,808,196	\$1,676,459	\$2,189,736	\$921,745	\$2,179,851
510-020	Temporary Assignment	\$41,924	\$55,428	\$61,386	\$86,571	\$71,000	\$50,652	\$60,500
0-01-10-510-020	WU - Admin - Admin - Temporary Assignment	\$2,845	\$10,814	\$2,000	\$9,395	\$2,000	\$2,502	\$2,000
0-02-10-510-020	WU - IT - Admin - Temporary Assignment	\$1,105	\$221	\$500	\$2,365	\$500	\$8,829	\$500
0-10-40-510-020	WU - Qual - Purification - Temporary Assignment	\$1,415	\$870	\$1,500	\$1,105	\$1,500	\$944	\$1,500
0-20-10-510-020	WU - Eng - Admin - Temporary Assignment	\$4,218	\$6,009	\$6,000	\$6,705	\$8,500	\$861	\$1,000
0-21-10-510-020	WU - Const - Admin - Temporary Assignment	\$0	\$1,081	\$5,000	\$0	\$5,000	\$0	\$2,000
0-22-10-510-020	WU - Plan - Admin - Temporary Assignment	\$825	\$1,534	\$10,000	\$5,646	\$5,000	\$3,267	\$5,000
0-30-20-510-020	WU - Bill - Collection - Temporary Assignment	\$5,227	\$3,358	\$5,000	\$5,554	\$5,000	\$6,810	\$5,000
0-31-10-510-020	WU - Acctg - Admin - temporary Assignment	\$4,383	\$4,034	\$12,000	\$9,090	\$10,000	\$5,024	\$10,000
0-40-30-510-020	WU - Ops - Source - Temporary Assignment	\$983	\$2,892	\$886	\$6,506	\$3,000	\$1,724	\$3,000
0-40-40-510-020	WU - Ops - Purification - Temporary Assignment	\$1,296	\$885	\$500	\$2,089	\$1,500	\$3,414	\$1,500
0-40-50-510-020	WU - Ops - PowerAndPump - Temporary Assignment	\$2,090	\$3,866	\$3,000	\$5,770	\$4,000	\$1,882	\$4,000
0-40-60-510-020	WU - Ops - TandD - Temporary Assignment	\$17,537	\$19,865	\$15,000	\$32,346	\$25,000	\$15,395	\$25,000
510-030	Overtime	\$579,324	\$491,073	\$519,000	\$497,658	\$486,000	\$328,107	\$477,000
0-01-10-510-030	WU - Admin - Admin - Overtime	\$38,214	\$23,340	\$30,000	\$24,219	\$30,000	\$20,842	\$30,000
0-02-10-510-030	WU - IT - Admin - Overtime	\$48,774	\$44,622	\$30,000	\$33,358	\$30,000	\$15,104	\$30,000
0-10-40-510-030	WU - Qual - Purification - Overtime	\$1,398	\$270	\$2,000	\$207	\$2,000	\$3,759	\$3,000
0-20-10-510-030	WU - Eng - Admin - Overtime	\$23,767	\$18,322	\$25,000	\$8,088	\$10,000	\$3,595	\$10,000
0-21-10-510-030	WU - Const - Admin - Overtime	\$14,375	\$8,770	\$35,000	\$10,832	\$25,000	\$3,336	\$15,000
0-22-10-510-030	WU - Plan - Admin - Overtime	\$9,952	\$13,708	\$30,000	\$12,016	\$15,000	\$31,474	\$15,000
0-30-20-510-030	WU - Bill - Collection - Overtime	\$62,631	\$53,150	\$50,000	\$65,850	\$60,000	\$29,840	\$60,000
0-31-10-510-030	WU - Acctg - Admin - Overtime	\$79,401	\$51,231	\$60,000	\$49,116	\$60,000	\$35,392	\$60,000
0-40-30-510-030	WU - Ops - Source - Overtime	\$5,447	\$11,081	\$6,000	\$3,711	\$6,000	\$1,554	\$6,000
0-40-40-510-030	WU - Ops - Purification - Overtime	\$40,341	\$27,233	\$50,000	\$35,655	\$30,000	\$25,051	\$30,000
0-40-50-510-030	WU - Ops - PowerAndPump - Overtime	\$11,770	\$8,534	\$1,000	\$15,224	\$8,000	\$13,775	\$8,000
0-40-60-510-030	WU - Ops - TandD - Overtime	\$243,255	\$230,812	\$200,000	\$239,383	\$210,000	\$144,385	\$210,000
510-040	Standby Pay	\$182,192	\$196,342	\$181,594	\$192,126	\$195,000	\$110,678	\$195,000
0-01-10-510-040	WU - Admin - Admin - Standby Pay	\$390	\$0	\$0	\$0	\$0	\$0	\$0
0-40-40-510-040	WU - Ops - Purification - Standby Pay	\$9,692	\$8,827	\$11,594	\$8,338	\$10,000	\$4,556	\$10,000
0-40-50-510-040	WU - Ops - PowerAndPump - Standby Pay	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0-40-60-510-040	WU - Ops - TandD - Standby Pay	\$172,110	\$187,515	\$170,000		\$185,000	\$106,122	\$185,000
520-040	Vacation & Compensatory Time Payout		\$0	\$100,000	\$21,812	\$100,000	\$0	\$100,000
0-01-10-520-040	WU - Admin - Admin - Vacation Payout	\$0	\$0	\$90,000	\$21,812	\$90,000	\$0	\$90,000
0-01-10-520-040	WU - Admin - Admin - Compensatory Time Payout	\$0	\$0	\$10,000	\$0	\$10,000	\$0	\$10,000

Operating Expense Detail

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES (Detail)								
530-010	FICA Taxes	\$404,526	\$431,116	\$560,055	\$447,135	\$605,705	\$247,335	\$602,849
0-01-10-530-010	WU - Admin - Admin - FICA	\$42,473	\$49,319	\$79,574	\$49,371	\$80,182	\$26,897	\$76,850
0-02-10-530-010	WU - IT - Admin - FICA	\$15,046	\$17,844	\$21,125	\$20,666	\$18,724	\$5,840	\$21,048
0-10-40-530-010	WU - Qual - Purification - FICA	\$15,903	\$17,033	\$18,118	\$17,640	\$18,773	\$9,871	\$19,809
0-20-10-530-010	WU - Eng - Admin - FICA	\$19,670	\$18,751	\$25,852	\$15,553	\$28,866	\$9,238	\$22,334
0-21-10-530-010	WU - Const - Admin - FICA	\$25,930	\$24,299	\$45,160	\$27,352	\$57,226	\$17,445	\$45,233
0-22-10-530-010	WU - Plan - Admin - FICA	\$29,733	\$32,783	\$43,064	\$33,338	\$42,580	\$19,590	\$42,566
0-30-20-530-010	WU - Bill - Collection - FICA	\$37,253	\$37,160	\$47,818	\$39,089	\$46,503	\$17,642	\$47,189
0-31-10-530-010	WU - Acctg - Admin - FICA	\$34,451	\$36,269	\$44,000	\$39,291	\$44,140	\$21,463	\$52,231
0-40-30-530-010	WU - Ops - Source - FICA	\$16,976	\$23,031	\$27,233	\$22,091	\$32,732	\$14,476	\$36,194
0-40-40-530-010	WU - Ops - Purification - FICA	\$18,411	\$16,763	\$24,066	\$14,514	\$19,734	\$9,454	\$24,119
0-40-50-530-010	WU - Ops - PowerAndPump - FICA	\$12,093	\$13,213	\$16,264	\$14,807	\$16,601	\$8,717	\$16,387
0-40-60-530-010	WU - Ops - TandD - FICA	\$136,584,49	\$144,652	\$167,779	\$153,423	\$199,645	\$86,702	\$198,889
530-020	Retirement Contributions	\$2,269,719	\$2,157,977	\$1,382,436	\$1,108,853	\$1,731,996	\$721,798	\$1,880,490
0-01-10-530-020	WU - Admin - Admin - Retirement Contributions	\$208,649	\$211,494	\$189,085	\$124,236	\$220,688	\$79,500	\$230,297
0-02-10-530-020	WU - IT - Admin - Retirement Contributions	\$77,652	\$90,218	\$52,468	\$45,213	\$53,847	\$17,399	\$66,032
0-10-40-530-020	WU - Qual - Purification - Retirement Contributions	\$81,033	\$86,847	\$44,999	\$44,593	\$53,986	\$29,168	\$62,146
0-20-10-530-020	WU - Eng - Admin - Retirement Contributions	\$95,413	\$90,700	\$64,207	\$39,532	\$83,014	\$27,768	\$70,067
0-21-10-530-020	WU - Const - Admin - Retirement Contributions	\$129,751	\$123,801	\$112,163	\$69,885	\$164,571	\$52,112	\$141,908
0-22-10-530-020	WU - Plan - Admin - Retirement Contributions	\$162,517	\$173,925	\$106,956	\$89,626	\$122,453	\$62,833	\$133,540
0-30-20-530-020	WU - Bill - Collection - Retirement Contributions	\$190,999	\$196,161	\$118,765	\$97,206	\$133,735	\$54,535	\$148,045
0-31-10-530-020	WU - Acctg - Admin - Retirement Contributions	\$177,864	\$181,912	\$109,282	\$93,877	\$126,938	\$62,722	\$163,862
0-40-30-530-020	WU - Ops - Source - Retirement Contributions	\$93,803	\$124,873	\$67,637	\$58,380	\$94,130	\$44,686	\$113,550
0-40-40-530-020	WU - Ops - Purification - Retirement Contributions	\$97,591	\$86,107	\$59,771	\$38,743	\$56,751	\$27,819	\$75,669
0-40-50-530-020	WU - Ops - PowerAndPump - Retirement Contributions	\$64,478	\$69,547	\$40,395	\$38,375	\$47,742	\$26,578	\$51,411
0-40-60-530-020	WU - Ops - TandD - Retirement Contributions	\$889,969	\$722,391	\$416,707	\$369,187	\$574,142	\$236,678	\$623,964
530-030	Life and Health Insurance	\$465,933	\$471,557	\$484,247	\$517,237	\$611,045	\$289,734	\$685,145
0-01-10-530-030	WU - Admin - Admin - Life and Health Insurance	\$47,537	\$40,981	\$85,347	\$53,981	\$66,949	\$29,085	\$67,252
0-02-10-530-030	WU - IT - Admin - Life and Health Insurance	\$12,297	\$12,118	\$26,713	\$16,226	\$17,340	\$9,941	\$25,821
0-10-40-530-030	WU - Qual - Purification - Life and Health Insurance	\$10,315	\$9,803	\$9,939	\$10,508	\$10,334	\$6,006	\$10,940
0-20-10-530-030	WU - Eng - Admin - Life and Health Insurance	\$20,246	\$17,893	\$31,013	\$16,851	\$20,790	\$10,952	\$21,694
0-21-10-530-030	WU - Const - Admin - Life and Health Insurance	\$14,190	\$30,814	\$34,221	\$36,660	\$62,003	\$22,781	\$54,910
0-22-10-530-030	WU - Plan - Admin - Life and Health Insurance	\$49,590	\$50,263	\$36,602	\$55,763	\$60,173	\$31,561	\$73,949
0-30-20-530-030	WU - Bill - Collection - Life and Health Insurance	\$33,712	\$34,828	\$31,952	\$44,203	\$47,861	\$22,533	\$62,782
0-31-10-530-030	WU - Acctg - Admin - Life and Health Insurance	\$43,734	\$40,495	\$35,799	\$40,366	\$47,784	\$22,939	\$50,449
0-40-30-530-030	WU - Ops - Source - Life and Health Insurance	\$31,115	\$36,403	\$29,698	\$30,314	\$35,386	\$16,344	\$30,902
0-40-40-530-030	WU - Ops - Purification - Life and Health Insurance	\$13,189	\$10,857	\$11,974	\$9,186	\$12,311	\$5,049	\$24,047
0-40-50-530-030	WU - Ops - PowerAndPump - Life and Health Insurance	\$18,299	\$17,419	\$14,477	\$18,333	\$19,397	\$10,472	\$19,630
0-40-60-530-030	WU - Ops - TandD - Life and Health Insurance	\$171,709	\$169,682	\$136,512	\$184,846	\$210,717	\$102,071	\$242,769
530-040	Workers Compensation	\$2,954	\$15,215	\$0	\$0	\$0	\$0	\$0
530-050	Unemployment Compensation	\$0	\$0	\$15,000	\$0	\$15,000	\$0	\$0
0-01-10-530-050	WU - Admin - Admin - Unemployment Compensation	\$0	\$0	\$15,000	\$0	\$15,000	\$0	\$0
530-060	Post-Employment Benefits (OPEB)	\$968,000	\$988,943	\$1,011,000	\$1,223,378	\$1,077,000	\$789,186	\$1,077,000
0-01-10-530-060	WU - Admin - Admin - OPEB	\$97,166	\$96,114	\$142,155	\$134,576	\$139,642	\$94,294	\$133,339
0-02-10-530-060	WU - IT - Admin - OPEB	\$35,687	\$40,279	\$38,450	\$48,458	\$32,659	\$17,103	\$37,383
0-10-40-530-060	WU - Qual - Purification - OPEB	\$37,260	\$38,782	\$36,523	\$47,644	\$36,871	\$35,256	\$38,882
0-20-10-530-060	WU - Eng - Admin - OPEB	\$46,200	\$42,699	\$48,042	\$42,234	\$54,696	\$30,820	\$42,932
0-21-10-530-060	WU - Const - Admin - OPEB	\$60,564	\$55,679	\$86,141	\$75,284	\$109,450	\$62,571	\$87,757
0-22-10-530-060	WU - Plan - Admin - OPEB	\$74,128	\$77,670	\$81,852	\$95,758	\$81,793	\$67,149	\$81,971

Operating Expense Detail

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES (Detail)								
0-30-20-530-060	WU - Bill - Collection - OPEB	\$89,537	\$89,274	\$89,232	\$106,848	\$82,750	\$57,356	\$84,330
0-31-10-530-060	WU - Acctg - Admin - OPEB	\$83,277	\$84,057	\$78,759	\$102,064	\$77,278	\$67,865	\$93,637
0-40-30-530-060	WU - Ops - Source - OPEB	\$42,914	\$56,533	\$54,643	\$62,815	\$63,846	\$53,756	\$70,924
0-40-40-530-060	WU - Ops - Purification - OPEB	\$45,130	\$36,916	\$39,521	\$41,476	\$32,994	\$25,395	\$41,838
0-40-50-530-060	WU - Ops - PowerAndPump - OPEB	\$30,286	\$31,407	\$32,652	\$41,478	\$31,248	\$28,323	\$30,900
0-40-60-530-060	WU - Ops - TandD - OPEB	\$325,850	\$339,533	\$283,029	\$424,743	\$333,773	\$249,299	\$333,107
540-010	Professional Services - General	\$504,191	\$939,740	\$3,910,401	\$1,534,881	\$3,643,351	\$1,672,715	\$3,131,801
0-01-10-540-010	WU - Admin - Admin - Professional Services - General	\$38,695	\$22,257	\$365,800	\$135,925	\$371,300	\$152,781	\$383,800
0-02-10-540-010	WU - IT - Admin - Professional Services - General	\$2,600	\$118,547	\$160,000	\$95,363	\$220,000	\$207,627	\$60,000
0-10-40-540-010	WU - Qual - Purification - Professional Services - General	\$7,448	\$22,940	\$63,600	\$61,812	\$106,050	\$72,531	\$36,400
0-20-10-540-010	WU - Eng - Admin - Professional Services - General	\$111,932	\$277,009	\$425,000	\$296,451	\$405,000	\$445,056	\$485,000
0-21-10-540-010	WU - Const - Admin - Professional Services - General	\$0	\$93,146	\$500,000	\$625,038	\$700,000	\$388,283	\$50,000
0-22-10-540-010	WU - Plan - Admin - Professional Services - General	\$272,638	\$359,646	\$1,635,000	\$237,171	\$1,635,000	\$399,451	\$1,635,000
0-30-20-540-010	WU - Bill - Collection - Professional Services - General	\$0	\$1,802	\$230,000	\$26,245	\$0	\$0	\$100,000
0-31-10-540-010	WU - Acctg - Admin - Professional Services - General	\$70,879	\$44,393	\$206,000	\$56,877	\$206,000	\$6,988	\$381,600
0-40-60-540-010	WU - Ops - TandD - Professional Services - General	\$0	\$0	\$325,001	\$0	\$1	\$0	\$1
540-020	Professional Services - Accounting and Auditing	\$58,805	\$75,132	\$106,800	\$58,668	\$106,800	\$69,900	\$106,800
0-31-10-540-020	WU - Acctg - Admin - Professional Services - Accounting and Auditing	\$58,805	\$75,132	\$106,800	\$58,668	\$106,800	\$69,900	\$106,800
541-010	Other Services	\$47,367	\$33,676	\$60,878	\$33,209	\$64,478	\$30,942	\$55,088
0-01-10-541-010	WU - Admin - Admin - Other Services	\$4,908	\$167	\$2,178	\$1,966	\$2,178	\$1,273	\$1,188
0-30-20-541-010	WU - Bill - Collection - Other Services	\$24,513	\$23,715	\$35,100	\$20,918	\$35,100	\$15,083	\$26,700
0-31-10-541-010	WU - Acctg - Admin - Other Services	\$16,954	\$9,154	\$21,600	\$10,031	\$25,200	\$13,924	\$25,200
0-40-60-541-010	WU - Ops - TandD - Other Services	\$993	\$640	\$2,000	\$294	\$2,000	\$662	\$2,000
541-020	Billing Costs	\$199,586	\$147,184	\$206,658	\$143,393	\$206,658	\$117,017	\$164,418
0-30-20-541-020	WU - Bill - Collection - Billing Costs	\$199,586	\$147,184	\$206,658	\$143,393	\$206,658	\$117,017	\$164,418
542-010	Public Relations - General	\$62,009	\$97,148	\$111,300	\$78,061	\$80,089	\$55,286	\$115,725
0-01-10-542-010	WU - Admin - Admin - Public Relations - General	\$62,009	\$97,148	\$111,300	\$78,061	\$80,089	\$55,286	\$115,725
542-020	Procurement Advertising	\$10,069	\$12,550	\$10,000	\$0	\$10,000	\$5,497	\$10,000
0-01-10-542-020	WU - Admin - Admin - Procurement Advertising	\$10,069	\$12,550	\$10,000	\$0	\$10,000	\$5,497	\$10,000
543-000	Communication Services	\$118,711	\$112,178	\$120,360	\$111,602	\$127,144	\$75,858	\$130,444
0-02-10-543-000	WU - IT - Admin - Communication Services	\$82,517	\$74,898	\$82,260	\$76,667	\$86,060	\$47,121	\$83,360
0-02-50-543-000	WU - IT - PowerAndPump - Communication Services	\$0	\$0	\$38,100	\$34,720	\$41,084	\$28,737	\$47,084
0-40-50-543-000	WU - Ops - PowerAndPump - Communication Services	\$36,194	\$37,280	\$0	\$215	\$0	\$0	\$0
544-000	Freight and Postage	\$338	\$7,840	\$16,370	\$3,891	\$16,370	\$2,019	\$14,370
0-01-10-544-000	WU - Admin - Admin - Freight and Postage	\$0	\$6,503	\$12,870	\$2,113	\$12,870	\$1,412	\$12,870
0-02-10-544-000	WU - IT - Admin - Freight and Postage	\$0	\$30	\$500	\$5	\$500	\$0	\$0
0-10-40-544-000	WU - Qual - Purification - Freight and Postage	\$338	\$1,306	\$3,000	\$1,772	\$3,000	\$607	\$1,500
545-000	Rentals and Leases	\$114,527	\$44,311	\$153,075	\$80,159	\$131,075	\$44,014	\$131,075
0-01-10-545-000	WU - Admin - Admin - Rentals and Leases	\$20,000	\$20,000	\$52,900	\$20,594	\$50,900	\$15,612	\$50,900
0-02-10-545-000	WU - IT - Admin - Rentals and Leases	\$24,697	\$19,597	\$30,175	\$20,661	\$30,175	\$17,994	\$30,175
0-40-60-545-000	WU - Ops - TandD - Rentals and Leases	\$69,831	\$4,713	\$70,000	\$38,903	\$50,000	\$10,408	\$50,000
546-000	Insurance	\$69,109	\$279,240	\$1,195,000	\$62,466	\$395,000	\$1,358	\$345,000
0-01-10-546-000	WU - Admin - Admin - Insurance	\$69,109	\$279,240	\$1,195,000	\$62,466	\$395,000	\$1,358	\$345,000
547-000	County Service Charge	\$2,133,294	\$2,136,510	\$2,133,294	\$2,174,298	\$2,136,510	\$1,449,532	\$2,174,298
0-00-10-547-000	WU - County Service Charge	\$2,133,294	\$2,136,510	\$2,133,294	\$2,174,298	\$2,136,510	\$1,449,532	\$2,174,298
551-000	Utility Services	\$2,709,416	\$2,724,216	\$2,877,540	\$2,730,889	\$2,862,624	\$1,923,910	\$2,863,878
0-01-10-551-000	WU - Admin - Admin - Utility Services	\$146,400	\$135,454	\$177,540	\$174,681	\$162,624	\$114,165	\$163,878
0-40-50-551-000	WU - Ops - PowerAndPump - Utility Services	\$2,563,016	\$2,588,761	\$2,700,000	\$2,556,208	\$2,700,000	\$1,809,745	\$2,700,000
560-000	Repairs and Maintenance - Water System	\$43,342	\$312,502	\$221,000	\$151,433	\$221,000	\$252,899	\$211,000

Operating Expense Detail

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES (Detail)								
0-40-50-501-000	W/U - Ops - Powerand Pump - Emergency Repairs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0-40-50-560-000	WU - Ops - Source - Repairs and Maintenance - Water System	\$8,292	\$5,730	\$50,000	\$40,658	\$50,000	\$5,695	\$40,000
0-40-60-560-000	WU - Ops - TandD - Repairs and Maintenance - Water System	\$35,050	\$306,772	\$171,000	\$110,775	\$171,000	\$247,204	\$171,000
561-000	Repairs and Maintenance - Other than Water System	\$708,299	\$380,061	\$627,150	\$452,061	\$700,750	\$287,033	\$747,900
0-01-10-561-000	WU - Admin - Admin - Repairs and Maintenance - Other than Water System	\$12,158	\$21,555	\$0	\$18,987	\$0	\$0	\$0
0-02-10-561-000	WU - IT - Admin - Repairs and Maintenance - Other than Water System	\$486,797	\$252,860	\$397,150	\$355,365	\$488,750	\$220,674	\$458,900
0-10-40-561-000	WU - Qual - Purification - Repairs and Maintenance - Other than Water System	\$1,464	\$1,714	\$2,000	\$3,796	\$3,000	\$2,472	\$4,000
0-40-60-561-000	WU - Ops - TandD - Repairs and Maintenance - Other than Water System	\$207,879	\$103,933	\$228,000	\$73,912	\$209,000	\$63,887	\$285,000
562-000	Office Supplies	\$13,196	\$20,307	\$22,000	\$20,307	\$22,000	\$11,901	\$22,000
0-31-10-562-000	WU - Accounting - Admin - Office Supplies	\$13,196	\$20,307	\$22,000	\$20,307	\$22,000	\$11,901	\$22,000
563-000	Operating Supplies	\$565,140	\$758,364	\$1,252,050	\$962,750	\$1,356,300	\$710,026	\$1,095,300
0-01-10-563-000	WU - Admin - Admin - Operating Supplies	\$1,517	\$727	\$5,000	\$3,651	\$5,000	\$996	\$5,000
0-02-10-563-000	WU - IT - Admin - Operating Supplies	\$66,131	\$75,827	\$61,000	\$58,465	\$61,000	\$25,827	\$61,000
0-10-40-563-000	WU - Qual - Purification - Operating Supplies	\$6,868	\$12,779	\$15,000	\$24,910	\$15,000	\$7,680	\$21,000
0-20-10-563-000	WU - Eng - Admin - Operating Supplies	\$115	\$341	\$300	\$147	\$300	\$0	\$300
0-21-10-563-000	WU - Const - Admin - Operating Supplies	\$3,230	\$3,665	\$4,500	\$5,243	\$4,500	\$1,618	\$4,500
0-22-10-563-000	WU - Plan - Admin - Operating Supplies	\$346	\$2,956	\$1,250	\$332	\$1,000	\$137	\$1,000
0-30-20-563-000	WU - Bill - Collection - Operating Supplies	\$2,520	\$2,547	\$3,500	\$2,688	\$4,500	\$4,323	\$4,500
0-31-10-563-000	WU - Acctg - Admin - Operating Supplies	\$2,776	\$2,664	\$2,500	\$2,184	\$3,000	\$992	\$6,000
0-40-30-563-000	WU - Ops - Source - Operating Supplies	\$38,008	\$49,962	\$75,000	\$52,877	\$60,000	\$46,450	\$210,000
0-40-40-563-000	WU - Ops - Purification - Operating Supplies	\$34,245	\$48,115	\$78,000	\$115,070	\$101,000	\$40,982	\$91,000
0-40-50-563-000	WU - Ops - PowerAndPump - Operating Supplies	\$36,568	\$22,616	\$95,000	\$53,144	\$185,000	\$164,259	\$35,000
0-40-60-563-000	WU - Ops - TandD - Operating Supplies	\$251,688	\$268,781	\$250,000	\$590,894	\$255,000	\$265,180	\$255,000
0-40-50-563-010	WU - Ops - PowerAndPump - Operating Supplies - Invty. Stock	\$1,857	\$6,580	\$15,000	\$53,144	\$15,000	\$11,873	\$15,000
0-40-60-563-010	WU - Ops - TandD - Operating Supplie - Invty. Stock	\$119,269	\$260,804	\$646,000	\$0	\$646,000	\$139,710	\$386,000
564-000	Fuel	\$82,695	\$81,993	\$115,500	\$101,324	\$115,500	\$83,216	\$122,500
0-40-60-564-000	WU - Ops - TandD - Fuel	\$82,695	\$81,993	\$115,500	\$101,324	\$115,500	\$83,216	\$122,500
565-000	Bulk Water Purchase	\$1,009,005	\$847,634	\$1,810,176	\$1,225,770	\$1,816,176	\$1,157,354	\$1,820,176
0-40-30-565-000	WU - Ops - Source - Bulk Water Purchase (Reclass)	\$1,009,005	\$847,634	\$1,810,176	\$1,225,770	\$1,816,176	\$1,157,354	\$1,820,176
570-010	Books, Publications, Subscriptions, and Memberships	\$23,701	\$34,110	\$30,045	\$10,807	\$32,845	\$20,751	\$93,300
0-01-10-570-010	WU - Admin - Admin - Books, Publications, Subscriptions, and Memberships	\$21,958	\$33,290	\$26,685	\$9,237	\$26,685	\$18,891	\$26,440
0-02-10-570-010	WU - IT - Admin - Books, Publications, Subscriptions, and Memberships	\$0	\$0	\$500	\$318	\$500	\$935	\$60,200
0-10-40-570-010	WU - Qual - Purification - Books, Publications, Subscriptions, and Memberships	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0-20-10-570-010	WU - Eng - Admin - Books, Publications, Subscriptions, and Memberships	\$0	\$0	\$200	\$0	\$0	\$0	\$0
0-21-10-570-010	WU - WRP - Admin - Books, Publications, Subscriptions, and Memberships	\$1,543	\$820	\$1,550	\$1,052	\$1,550	\$775	\$1,550
0-22-10-570-010	WU - Const - Admin - Books, Publications, Subscriptions, and Memberships	\$0	\$0	\$0	\$0	\$3,000	\$0	\$4,000
0-30-20-570-010	WU - Bill - Collection - Books, Publications, Subscriptions, and Memberships	\$0	\$0	\$350	\$0	\$350	\$0	\$350
0-31-10-570-010	WU - Acctg - Admin - Books, Publications, Subscriptions, and Memberships	\$200	\$0	\$760	\$200	\$760	\$150	\$760
570-020	Books, Publications, Subscriptions, and Memberships - Board	\$600	\$375	\$1,025	\$450	\$1,095	\$150	\$1,095
0-01-10-570-020	WU - Admin - Admin - Books, Publications, Subscriptions, and Memberships - Board	\$600	\$375	\$1,025	\$450	\$1,095	\$150	\$1,095
571-010	Training and Development	\$74,294	\$48,120	\$127,580	\$72,074	\$80,880	\$36,387	\$98,500
0-01-10-571-010	WU - Admin - Admin - Training and Development	\$12,209	\$14,460	\$51,700	\$33,039	\$13,500	\$11,772	\$23,500
0-02-10-571-010	WU - IT - Admin - Training and Development	\$9,363	\$4,390	\$12,000	\$2,615	\$12,000	\$972	\$10,000
0-10-40-571-010	WU - Qual - Purification - Training and Development	\$0	\$0	\$1,500	\$0	\$0	\$0	\$4,000
0-20-10-571-010	WU - Eng - Admin - Training and Development	\$705	\$705	\$1,130	\$375	\$1,130	\$375	\$500
0-21-10-571-010	WU - Const - Admin - Training and Development	\$5,341	\$1,010	\$6,250	\$1,285	\$6,250	\$1,639	\$6,250
0-22-10-571-010	WU - Plan - Admin - Training and Development	\$14,565	\$14,740	\$20,000	\$11,050	\$18,000	\$1,069	\$19,500
0-30-20-571-010	WU - Bill - Collection - Training and Development	\$75	\$0	\$3,000	\$550	\$3,000	\$0	\$4,000
0-31-10-571-010	WU - Acctg - Admin - Training and Development	\$517	\$638	\$2,000	\$1,075	\$2,000	\$187	\$5,750

Operating Expense Detail

		FY 2016-2017 Actuals	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES (Detail)								
0-40-60-571-010	WU - Ops - TandD - Training and Development	\$31,519	\$12,177	\$30,000	\$22,085	\$25,000	\$20,373	\$25,000
572-010	Travel and Per Diem	\$40,817	\$45,273	\$84,570	\$46,443	\$106,610	\$44,740	\$118,180
0-01-10-572-010	WU - Admin - Admin - Travel and Per Diem	\$28,504	\$35,131	\$38,600	\$26,873	\$59,880	\$30,191	\$62,450
0-02-10-572-010	WU - IT - Admin - Travel and Per Diem	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0-20-10-572-010	WU - Eng - Admin - Travel and Per Diem	\$20	\$2,357	\$3,760	\$0	\$1,880	\$225	\$1,880
0-21-10-572-010	WU - Const - Admin - Travel and Per Diem	\$213	\$0	\$5,000	\$0	\$5,000	\$2,195	\$7,000
0-22-10-572-010	WU - Plan - Admin - Travel and Per Diem	\$8,100	\$4,463	\$22,300	\$7,547	\$25,600	\$4,800	\$32,600
0-30-20-572-010	WU - Bill - Collection - Travel and Per Diem	\$0	\$0	\$4,425	\$1,365	\$3,765	\$1,809	\$3,765
0-31-10-572-010	WU - Acc - Admin - Travel and Per Diem	\$0	\$0	\$4,485	\$3,675	\$4,485	\$212	\$4,485
0-40-60-572-010	WU - Ops - TandD - Travel and Per Diem	\$3,980	\$3,321	\$6,000	\$6,983	\$6,000	\$5,308	\$6,000
572-020	Travel and Per Diem - Board	\$8,862	\$8,783	\$17,490	\$6,139	\$20,970	\$0	\$20,970
0-01-10-572-020	WU - Admin - Admin - Travel and Per Diem - Board	\$8,862	\$8,783	\$17,490	\$6,139	\$20,970	\$0	\$20,970
573-010	Meeting Expense	\$2,288	\$3,702	\$26,400	\$8,683	\$37,290	\$12,927	\$42,740
0-01-10-573-010	WU - Admin - Admin - Meeting Expense	\$2,034	\$3,544	\$13,500	\$4,158	\$26,440	\$8,847	\$26,440
0-20-10-573-010	WU - Eng - Admin - Meeting Expense	\$254	\$0	\$1,050	\$0	\$1,050	\$0	\$600
0-21-10-573-010	WU - Const - Admin - Meeting Expense	\$0	\$158	\$3,250	\$0	\$3,250	\$2,200	\$7,500
0-22-10-573-010	WU - WRP - Admin - Meeting Expense	\$0	\$0	\$0	\$0	\$5,950	\$880	\$7,600
0-31-10-573-010	WU - Acctg - Admin - Meeting Expense	\$0	\$0	\$600	\$0	\$600	\$0	\$600
0-40-60-573-010	WU - Ops - TandD - Meeting Expense	\$0	\$0	\$8,000	\$4,525	\$0	\$1,000	\$0
573-020	Meeting Expense - Board	\$5,680	\$5,054	\$14,075	\$7,609	\$9,952	\$914	\$6,952
0-01-10-573-020	WU - Admin - Admin - Meeting Expense - Board	\$5,680	\$5,054	\$14,075	\$7,609	\$9,952	\$914	\$6,952
582-000	Interest Expense	\$3,440,092	\$3,639,100	\$3,460,087	\$3,139,065	\$3,268,048	\$2,126,288	\$3,067,232
0-00-00-582-000	WU - Interest Expense	\$3,440,092	\$3,639,100	\$3,460,087	\$3,139,065	\$3,268,048	\$2,126,288	\$3,067,232
Water Utility Fund Bond and Loan Repayment		\$4,717,296	\$4,884,833	\$4,883,749	\$4,883,749	\$5,017,034	\$4,657,465	\$5,160,541
682-000	Debt Principal Repayment	\$4,717,296	\$4,884,833	\$4,883,749	\$4,883,749	\$5,017,034	\$4,657,465	\$5,160,541
0-00-00-682-000	WU - Debt Principal Repayment	\$4,717,296	\$4,884,833	\$4,883,749	\$4,883,749	\$5,017,034	\$4,657,465	\$5,160,541
Water Utility Fund - Non Cash Operating Expenses		\$7,440,452	\$7,632,727	\$7,972,818	\$6,864,701	\$7,972,818	\$4,731,665	\$7,210,721
0-00-90-580-000	WU - Depreciation - Depreciation	\$6,821,400	\$6,931,203	\$7,314,750	\$6,153,980	\$7,314,750	\$4,606,387	\$6,500,000
0-00-90-581-000	WU - Depreciation - Amortization	\$660,984	\$743,456	\$700,000	\$752,653	\$700,000	\$153,232	\$752,653
0-00-90-582-000	WU - Bond Inflows & Outflows	-\$41,932	-\$41,932	-\$41,932	-\$41,932	-\$41,932	-\$27,954	-\$41,932

New Capital Outlay

	FY 2016- 2017 Actual	FY 2017- 2018 Actual	FY 2018- 2019 Budget	FY 2018- 2019 Actual	FY 2019 - 2020 Budget	FY 2019- 2020 Actual	Proposed Budget FY 2020- 2021
CAPITAL Outlay (New Appropriations)	\$1,175,237	\$471,275	\$1,915,000	\$51,024	\$1,918,000	\$550,972	\$1,625,200
Water Utility Fund (Misc. Capital Purchases - Replacement)	\$470,491	\$407,020	\$1,267,000	\$44,125	\$915,000	\$453,042	\$1,172,000
10-01-00-604-999 WU-Admin-RandR Capital Purchases	\$0	\$0	\$90,000	\$0	\$0	\$0	\$0
10-02-00-604-999 WU-IT-RandR Capital Purchases	\$50,588	\$216,357	\$427,000	\$44,025	\$565,000	\$147,940	\$270,000
10-10-40-604-999 WU-Qual-Purification-RandR Capital Purchases	\$0	\$0	\$37,000	\$0	\$0	\$0	\$0
10-21-00-604-999 WU-Const/Admin/Capital Purchases	\$1,669	\$39,491	\$10,000	\$100	\$10,000	\$0	\$10,000
10-30-00-604-999 WU-Fiscal-RandR Capital Purchases	\$0	\$0	\$33,000	\$0	\$0	\$0	\$150,000
10-40-00-604-999 WU-Ops-RandR Capital Purchases	\$418,234	\$151,172	\$670,000	\$0	\$340,000	\$305,102	\$742,000
Water Utility Fund (Misc. Capital Purchases - New)	\$704,746	\$64,256	\$648,000	\$6,899	\$1,003,000	\$97,930	\$453,200
10-01-00-605-999 WU-Admin-RandR Capital Purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-02-00-605-999 WU-IT-Expansion Capital Purchases	\$35,567	\$0	\$310,000	\$6,899	\$425,000	\$6,899	\$425,000
10-10-40-605-999 WU-Qual-Expansion Capital Purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-21-00-605-999 WU-Const/Admin/Capital Purchases	\$1,021	\$0	\$10,000	\$0	\$100,000	\$0	\$10,000
10-30-00-605-999 WU-Fiscal-RandR Capital Purchases	\$596,689	\$54,384	\$0	\$0	\$0	\$0	\$0
10-31-00-605-999 WU-Const/Admin/Capital Purchases	\$0	\$0	\$0	\$0	\$3,000	\$0	\$0
10-40-00-605-999 WU-Ops-Expansion Capital Purchases	\$71,469	\$9,872	\$328,000	\$0	\$475,000	\$91,031	\$18,200
CAPITAL OUTLAY - CIP (New Appropriations)	\$1,229,143	\$1,428,714	\$5,325,000	\$8,372,336	\$6,530,001	\$2,988,303	\$28,310,000
Water Utility Fund (Capital Outlay - Rehabilitation & Replacement- Design)	\$13,994	\$355,061	\$170,000	\$119,523	\$370,000	\$74,385	\$1,090,000
10-20-00-604-000 WU/Eng-Permit Fees	\$0	\$0	\$20,000	\$3,138	\$20,000	\$123	\$10,000
10-20-00-604-001 WU-Eng-ALLR-KW-07 Paua Valley Tank Repair	\$0	\$51,764	\$0	\$16,539	\$0	\$0	\$0
10-20-00-604-006 WU-Eng-34%R-PLH-28 Hanamaulu Main (Hoohana Street)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-007 WU-Eng-ALLR-WK-11a Upper Wailua Houselots Main Rpl	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-009 WU-Eng-ALLR-Hanapepe Stream Crossing	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-013 WU-Eng-ALLR-PLH-32 Rice St Kapule Intersection	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-120 WU-Eng-Kilauea 1.0 MG tank (RR 10%)	\$3,740	\$2,671	\$0	\$0	\$0	\$0	\$0
10-20-00-604-146 WU-Eng-Hanapepe-Eleele Connecting Pipeline HE-1 and HE-10 (RR 12%)	\$10,254	\$71,960	\$0	\$12,999	\$0	\$37,126	\$0
10-20-00-604-147 WU-Eng-Rehabilitate Puupilo Steel tank	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-148 WU-Eng-Kuhio Hwy (Hardy-Oxford) 16" Main Replace (R&R 56% of \$100K)	\$0	\$0	\$0	\$1,283	\$0	\$37,136	\$0
10-20-00-604-149 WU-Eng-Kuhio Hwy (N. Papaloa to Waikaea Canal) Main Replace (RR 56%)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-150 WU-Eng-Makanui and Kuai Road Main Replacement (RR 37%)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-151 KP-14a Koloa 6" and 12" Main Replacement plus additional area (Wailani and Waihoonou)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-152 WU-Eng-Hoona, Hoone, Pane Road main replacement (RR 37%)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-604-157 Kilauea Wells MCC rehab	\$0	\$228,666	\$0			\$0	\$0
10-20-00-604-163 WU-Eng-ALLR-18-8 Limahuli Stream and Mānoa Stream Water Line Repairs	\$0	\$0	\$0	\$85,564	\$350,000	\$0	\$0
10-20-00-604-162 WU-Eng-17-13 & 14, Engineering Services for Islandwide Vulnerability and Resiliency Assessment.	\$0	\$0	\$150,000			\$0	\$0
10-20-00-604-169 Baseyard MP Ph 1	\$0	\$0	\$0	\$0	\$0	\$0	\$1,080,000

New Capital Outlay

		FY 2016- 2017 Actual	FY 2017- 2018 Actual	FY 2018- 2019 Budget	FY 2018- 2019 Actual	FY 2019 - 2020 Budget	FY 2019- 2020 Actual	Proposed Budget FY 2020- 2021
Water Utility Fund (Misc. Capital Purchases - Expansion)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-20-00-605-017	18" Cane Haul Road Main							
10-20-00-605-xxx	Kuhio Hwy (Hardy-Oxford) 16" Main replacement (EXP 44% of \$150K)							
10-20-00-605-xxx	Kilauea 1.0 MG tank (EXP 90%)							
Water Utility Fund (Capital Projects - R&R - Construction)		\$315,299	\$5,650	\$5,155,000	\$3,564,521	\$5,255,000	\$895,234	\$17,705,000
10-21-00-604-017	WU/Cns/1.45%R-18In Cane Haul Main (1.45% RR of \$3.15M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-21-00-604-029	WU/Const/Capital Outlay/09-01, Yamada Tank, Clearwell & connecting PL	\$0	\$0	\$0	\$0	\$0	\$0	\$13,200,000
10-21-00-604-033	WU-Cns-ALLR-13-07, Koloa Well D Repairs (Sub 20 per Dustin)	\$315,299	\$5,650	\$0	\$0	\$0	\$0	\$0
10-21-00-604-035	WU-Cns-ALLR-XX-YY, HE-14, Eleele Booster Rehab	\$0	\$0	\$0	\$1,073,665	\$0	\$34,492	\$0
10-21-00-604-102	WU-Cns-44R-10-01 Ani-01b-Anini Rd WL DOW-Princl	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-21-00-604-132	WU-Cns-ALLR-13-05 Kolo Road Main (Kilauea School)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-21-00-604-146	WU/Cns/78%RR/15-07/HE-01,HE-10, Reorganize Wtr Sys. PL connecting Hanapepe & Eleele (6" Main Repl) Ph I (County R/W)(78%RR of \$1.9M)	\$0	\$0	\$0	\$2,490,856	\$0	\$860,742	\$0
10-21-00-604-001	Paua Valley Tank Repair	\$0	\$0	\$1,400,000	\$0	\$1,400,000	\$0	\$0
10-21-00-604-157	Kilauea 1&2 MCC (engineer's estimate - \$2.576M)	\$0	\$0	\$3,755,000	\$0	\$3,755,000	\$0	\$3,755,000
10-21-00-604-167	Kukuiohono Tank Demo					\$100,000	\$0	\$750,000
10-21-00-604-XXX	02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (R&R - 10%) (Total= \$5M)					\$0	\$0	\$0
Water Utility Fund (Capital Outlay - Rehabilitation & Replacement- Operations)		\$0	\$0	\$0	\$0	\$1	\$0	\$2,840,000
10-40-00-604-166	SWTP - Water Treatment Delivery Agreement with Grove Farm - R&R	\$0	\$1,050	\$0		\$1	\$212,679	\$2,840,000
Water Utility Fund (Capital Projects - Exp - Construction)		\$0	\$0	\$0	\$2,302,856	\$0	\$1,394,452	\$0
10-21-00-605-118	WU/Const/Capital Outlay/WK-39-Kapaa Homestead Well No. 4 (100% Expansion)	\$0	\$0	\$0	\$750,000	\$0	\$0	\$0
10-21-00-605-146	WU/Cns/22%EXP/15-07/HE-01,HE-10, Reorganize Wtr Sys. PL connecting Hanapepe & Eleele (6" Main Repl) Ph I (County R/W)(22%EXP of \$1.9M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-21-00-605-146	WU/Cns/100%EXP/15-07/HE-01,HE-10, Reorganize Wtr Sys. PL connecting Hanapepe & Eleele (6" Main Repl) Ph II State R/W)	\$0	\$0	\$0	\$1,552,856	\$0	\$1,126,224	\$0
10-21-00-605-017	Kapaia Cane Haul Road 18" Main (98.55% Exp) \$3,241,350	\$0	\$0	\$0	\$0	\$0	\$268,228	\$0
FRC Fund (Capital Projects - Expansion - Design)		\$33,657	\$190,102	\$0	\$85,510	\$680,000	\$0	\$450,000
20-20-00-605-006	FRC-Eng-66%E-PLH-28 Hanamaulu Main (Hoohana Street)	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-010	FRC-Eng-ALLE-Wailua Homesteads 538 1.0 MG Tank	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-014	FRC-Eng-ALLE-Purchase Water System 1	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-016	FRC-Eng-ALLE-Poipu 1 MG Storage Tank	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-018	FRC-Eng-ALLE-H-08 Hanalei Well 2	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-019	FRC-Eng-E-Kapaia SWTP Expansion	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-120	FRC-Eng-Kilauea 1.0 MG tank (EXP 90%)	\$33,657	\$0	\$0		\$0	\$0	\$0
20-20-00-605-148	FRC-Eng-Kuhio Hwy (Hardy-Oxford) 16" Main replacement (EXP 44% of \$150K)	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-149	FRC-Eng-Kuhio Hwy (N. Papaloa to Waikaea Canal) Main Replacement (EXP 44%)	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-150	FRC-Eng-Makanui and Kuai Road Main Replacement (EXP 63%)	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-151	KP-14A Koloa 6" & 12" Main Repla + add'l area (Wailani & Waihihino Rds, prt of KP-14 (Exp 50%))	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-152	FRC-Eng-Hoona, Hoone, Pane Road main replacement (EXP 63%)	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-154	FRC-Eng-Drill and Test Kilauea Well #3 (EXP)	\$0	\$2,760	\$0		\$0	\$0	\$0
20-20-00-605-155	FRC-Eng-Wainiha Well #4 (EXP)	\$0	\$0	\$0		\$160,000	\$0	\$0
20-20-00-605-156	FRC-Eng-land acquisition for Kilauea Well #3	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-156	FRC-Eng-land acquisition for jelly factory booster pump	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-156	FRC-Eng-land acquisition for Poipu tank	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-153	FRC-Eng-Haena 0.2 MG tank	\$0	\$187,342	\$0	\$85,510	\$30,000	\$0	\$0

New Capital Outlay

		FY 2016- 2017 Actual	FY 2017- 2018 Actual	FY 2018- 2019 Budget	FY 2018- 2019 Actual	FY 2019 - 2020 Budget	FY 2019- 2020 Actual	Proposed Budget FY 2020- 2021
20-20-00-605-156	FRC-Eng-land acquisition for SWTP expansion	\$0	\$0	\$0		\$0	\$0	\$0
20-20-00-605-118	Develop Kapaa Well No. 4 site improvements (production well)		\$0	\$0		\$450,000	\$0	\$450,000
20-20-00-605-117	UH Experiment Station Tank - land acquisition		\$0	\$0		\$0	\$0	\$0
20-20-00-605-168	Kalaheo System Improvements - recertify plans/permits		\$0	\$0		\$40,000	\$0	\$0
FRC Fund (Capital Projects - Expansion - Construction)		\$0	\$0	\$0	\$0	\$225,000	\$0	\$225,000
20-21-00-605-017	FRC-Eng-ALLE-18IN Cane Haul Road Main	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20-21-00-605-029	FRC-Cns-56%E-09-01 Yamada Tank Clearwell, Conn Pip	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20-21-00-605-102	WU/Const/Capital Outlay/10-01 Ani-01b anini Rd. WL DOW -Princevl (56% Exp)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20-21-00-605-116	WU/Const/Capital Outlay/WK-08-Kapaa Homestead 313' 1.0 MG Tank (Ornellas) (0% RR of \$10M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20-21-00-605-161	Hanapepe River Bridge, Kaunualii Hwy. Rt. 50, HI STP SR50 (1) Project, Hanapepe, Kauai, HI	\$0	\$0	\$0	\$0	\$225,000	\$0	\$225,000
20-21-00-605-XXX	02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (Expansion - 90%)					\$0	\$0	\$0
Bond Fund (Capital Projects - R&R - Construction)		\$866,193	\$877,902	\$0	\$1,623,383	\$0	\$44,514	\$0
30-21-00-604-101	BAB-Cns-ALLR-10-01 Ani01a-Anini Kalihiwai 6IN Main	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-102	BAB-Cns-44%R-10-01 Ani-01b-Anini Rd WL DOW-Princvl	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-107	BAB-Cns-ALLR-XX-YY KP-09-MCC Chlor KoloaWell16-A,E	\$0	\$877,902	\$0	\$1,623,383	\$0	\$44,514	\$0
30-21-00-604-109	BAB-Cns-19%R-XX-YYLO-08LO-10-Koloa Al.-Piko, Lawai	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-112	BAB-Cns-40%R-11-02 PLH-01a Grove Farm Tanks 1 - 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-114	BAB-Cns-ALLR-XX-YY PLH-39a-Lihue Baseyard Imprvmt	\$605,698	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-120	BAB-Cns-10%R-0206WKK15-Kilauea 466 Tnk Puu Pane W3	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-129	BAB-Cns-ALLR-11-10 8IN WL Halewili, Kaum to HHale	\$260,495	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-136	BAB-Cns-11%R-XX-YY H-05 Weke Anae Hee 6-8IN Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-604-017	BAB-Cns-Kapaia Cane Haul Road 18" main (1.45% R&R - \$3,241,350))	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bond Fund (Capital Projects: Expansion - Design)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-20-00-605-139	BAB-Eng-ALLE-Moloaa Tank Site Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-20-00-605-140	BAB-Eng-ALLE-Koloa Well F Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bond Fund (Capital Projects - Expansion - Construction)		\$0	\$0	\$0	\$676,543	\$0	\$579,718	\$6,000,000
30-21-00-605-102	BAB-Cns-56%E-10-01 Ani-01b-Anini Rd WL DOW-Princvl	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-106	BAB-Cns-50%E-03-04 K05a-Kalaheo Tank 0.5MG 886FT	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-109	BAB-Cns-81%E-XX-YYLO-08LO-10-Koloa Al.-Piko, Lawai	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-110	BAB-Cns-ALLE-WK-08-Kapaa Homestead Tank (Ornellas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-112	BAB-Cns-60%E-11-02 PLH-01a Grove Farm Tanks 1 - 2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-118	BAB-Cns-ALLE-WK-39-Kapaa Homestead Well No. 4	\$0	\$0	\$0	\$676,543	\$0	\$579,718	\$0
30-21-00-605-120	BAB-Cns-90%E-0206WKK15-Kilauea 466 Tnk Puu Pane W3	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-136	BAB-Cns-89%E-XX-YY H-05 Weke Anae Hee 6-8IN Mains	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30-21-00-605-029	BAB-Cns-CO-09-01 Kalaheo 1111' & 1112' WS Improv Pkg A,B,C	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000,000
30-21-00-605-017	BAB-Cns-CO-Kapaia Cane Haul Road 18" Main (98.55% Exp \$3,241,350	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SRF Fund (Capital Projects - R&R - Construction)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
60-21-00-604-029	WU/Const/Capital Outlay/09-01, Kalaheo 1111' & 1222' Water System Improvements (Package A: 0% Yamada Tank, Package B: 34% Clearwell, Package C: 94 %Pipeline) (Total \$19.2M) Cumulative 52% R&R/48% Expansion - \$ 9,984,000							\$0
60-21-00-604-114	SRF-Cns-ALLR-X-YY PLH-39a-Lihue Baseyard Imprvmts	\$0	\$0	\$0	\$0	\$0	\$0	\$0

REVENUES

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Budget
Water Utility Fund		\$ 32,006,961	\$ 30,832,569	\$ 40,348,139	\$ 36,894,780	\$ 34,762,769	\$ 24,466,328	\$ 32,743,700
10-00-00-400-000	WU/Water Sales	\$ 28,445,143	\$ 27,910,121	\$ 29,354,767	\$ 27,959,468	\$ 26,929,850	\$ 20,542,034	\$ 24,174,189
10-00-00-405-000	WU/Revenue from Public Fire Protection	\$ 2,133,294	\$ 2,136,510	\$ 2,133,294	\$ 2,174,298	\$ 2,136,510	\$ 1,630,724	\$ 2,174,298
10-00-00-410-000	WU/Other Water Revenue	\$ 335,888	\$ 395,067	\$ 250,000	\$ 348,905	\$ 250,000	\$ 133,537	\$ 300,000
10-00-00-430-000	WU/Federal Grants (FEMA)			\$ -	\$ 32,228	\$ 828,535		\$ 828,535
10-00-00-432-000	WU/State Grants	\$ 330,405		\$ 7,869,595	\$ 3,754,453	\$ 3,800,000	\$ 1,350,364	\$ 4,500,000
10-00-00-440-000	WU/Capital Contributions - Cash Receipts	\$ 619,529	\$ 604,085	\$ 634,482	\$ 586,575	\$ 611,874	\$ 438,912	\$ 560,679
10-00-00-440-010	WU/Capital Contributions - Non - Cash receipts	\$ -		\$ -		\$ -		\$ -
10-00-00-453-000	WU/Net Increase in Fair Value of Investments	\$ (294,918)	\$ (807,073)	\$ -	\$ 1,150,866	\$ -	\$ -	\$ -
10-00-00-461-000	WU/Investment Income	\$ 417,287	\$ 567,364	\$ 100,000	\$ 812,034	\$ 200,000	\$ 367,216	\$ 200,000
10-00-00-470-000	WU/Gain or Loss on Disposal of Capital Assets	\$ 18,554	\$ 18,554	\$ 5,000		\$ 5,000		\$ 5,000
10-00-00-480-000	WU/Gain or Loss from the Retirement of Debt			\$ -		\$ -		\$ -
10-00-00-490-000	WU/Miscellaneous Revenues	\$ 1,781	\$ 7,940	\$ 1,000	\$ 75,953	\$ 1,000	\$ 3,541	\$ 1,000
Non-Revenue Cash Inflow		\$ -		\$ -		\$ -		\$ -
10-00-00-498-300	WU/Bond Proceeds - BAB	\$ -		\$ -		\$ -		\$ -
10-00-00-499-600	WU/Loan Proceeds - SRF Loan			\$ -		\$ -		\$ -
FRC Fund		\$ 613,657	\$ 1,093,629	\$ 671,921	\$ 696,519	\$ 662,232	\$ 1,057,131	\$ 640,291
20-00-00-424-000	FRC/Facility Reserve Charge	\$ 348,145	\$ 834,735	\$ 400,000	\$ 437,130	\$ 400,000	\$ 869,000	\$ 400,000
20-00-00-440-000	WU/Capital Contributions - Cash Receipts (BAB Subsidy)	\$ 265,512	\$ 258,894	\$ 271,921	\$ 259,389	\$ 262,232	\$ 188,131	\$ 240,291
20-00-00-453-000	FRC/Net Increase in Fair Value of Investments			\$ -		\$ -		\$ -
20-00-00-461-000	FRC/Investment Income	\$ -		\$ -		\$ -		\$ -
BAB Fund		\$ 60,752	\$ 151,726	\$ 35,000	\$ 225,696	\$ 35,000	\$ 206,070	\$ 35,000
30-00-00-453-000	BAB/Net Increase in Fair Value of Investments	\$ (229,160)	\$ (104,183)	\$ (30,000)	\$ (13,847)	\$ (30,000)	\$ 99,385	\$ (30,000)
30-00-00-461-000	BAB/Investment Income	\$ 289,912	\$ 255,909	\$ 65,000	\$ 239,543	\$ 65,000	\$ 106,684	\$ 65,000
SRF Fund		\$ -		\$ -		\$ -		\$ -
60-00-00-430-000	SRF/Federal Grants	\$ -				\$ -		\$ -
60-00-00-453-000	SRF/Net Increase in Fair Value of Investments	\$ -		\$ -		\$ -		\$ -

As of 3/31/2020

FY 2020 - 2021 Water Sales Projection

WU/Water Sales

Estimated Water Sales - FY 2019- 2020 (see Sch. 1)		24,174,188.62
Estimated Water Sales Increase (growth projection)	0.00%	-
Estimated Power Cost Adjustment (\$0.0 pending approved water rate study)		-

Projected Water Sales FY 2020-2021

24,174,188.62

Sch. 1

Year To Date Water Sales (7 months)

July, 2019 to March 2020 (Actual)	75%	\$ 18,085,665.00
April to June, 2020	25%	6,088,523.62
Estimated Annual		\$ 24,174,188.62

24,174,188.62

Metered Consumption - in million gallons (MG)	FY 2018	FY 2019	FY 2020	Ratio	MG Increase/ (Decrease)	% Increase/ (Decrease)
July	383.831	344.364	365.892			
August	380.414	348.569	362.067			
September	399.598	325.351	369.751			
October	373.247	328.575	328.084			
November	329.959	306.129	306.312			
December	310.680	303.733	304.626			
January	321.919	299.365	290.040			
February	312.188	305.811	285.156		(20.655)	-7%
March	292.542	309.819	287.939	75%	(21.880)	-7%
April	294.834	331.857				
May	292.845	339.334				
June	322.526	378.527				
Add: April to June, 2020 (based on the last three months (April to February, 2019) average water consumption multiplied by 93%; 7% decrease)						
February, 2020 estimated			-			
March, 2020, estimated			-			
April, 2020, estimated			325.413			
May, 2020, estimated			325.413		976.238	325.413
June, 2020, estimated			325.413	25%		
	4,014.583	3,921.434	3,876.105		(45.329)	-1%
FY 2020 Estimated increase in water usage						
		(93)	(45)			
Equivalent rate increase (decrease)		-2.3%	-1.2%			

June 30, 2019

Demand of DEPARTMENT OF WATER, COUNTY OF KAUAI

on the FINANCE DIRECTOR of the COUNTY OF KAUAI, STATE OF HAWAII, for the sum of

DOLLARS

Fund _____

Appropriation _____

ITEMS AND QUANTITY		RATE	AMOUNT	TOTAL
2,645	6-inch Fire Hydrants	\$67.00 a month	\$804.00	\$ 2,126,580.00
28	4-inch Fire Hydrants	\$23.00 a month	\$276.00	\$ 7,728.00
310	Stand Pipes	\$10.75 a month	\$129.00	\$ 39,990.00
2,983	TOTAL			\$ 2,174,298.00

STATE OF HAWAII									
APPROPRIATIONS ACT OF 2019 - ACT 40, SLH 2019									
CAPITAL IMPROVEMENT PROJECTS									
TC	Fund	FY	Acct No	Dept	Prog ID	Lapse Date	Section Item	Title	AMOUNT
411	B	2019	400	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-L/S	2,200,000.00
411	B	2019	401	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-DES	0.00
411	B	2019	402	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-CON	0.00
411	B	2019	403	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-EQP	0.00
411	B	2019	404	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-L/S	1,300,000.00
411	B	2019	405	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-DES	0.00
411	B	2019	406	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-CON	0.00
411	B	2019	407	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-EQP	0.00
411	B	2019	408	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-L/S	1,000,000.00
411	B	2019	409	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-DES	0.00
411	B	2019	410	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-CON	0.00
411	B	2019	411	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-EQP	0.00
TOTAL - COUNTY OF KAUAI (MOF C)									4,500,000.00
411	S	2019	935	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-L/S	440,000.00
411	S	2019	936	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-DES	0.00
411	S	2019	937	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-CON	0.00
411	S	2019	938	X	SUB501	20220630	4-K24	KALAHEO-LAWAI-OMAO WTR SYS, KAUAI-EQP	0.00
411	S	2019	939	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-L/S	260,000.00
411	S	2019	940	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-DES	0.00
411	S	2019	941	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-CON	0.00
411	S	2019	942	X	SUB501	20220630	4-K25	KILAUEA WATER SYSTEM, KAUAI-EQP	0.00
411	S	2019	943	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-L/S	200,000.00
411	S	2019	944	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-DES	0.00
411	S	2019	945	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-CON	0.00
411	S	2019	946	X	SUB501	20220630	4-K26	WAIMEA-KEKAHA WTR SYS, KAUAI-EQP	0.00
TOTAL - COUNTY OF KAUAI (MOF S)									900,000.00
TOTAL - COUNTY OF KAUAI - 220									5,400,000.00

General Expenses - Admin

Account	Description	2016-2017 Actual	2017-2018 Actuals	2018-2019 Budget	2018-2019 Actuals	2019-2020 Budget	2019-2020 YTD Actual	2020-2021 Budget
Water Utility Fund								
10-01-10-540-010	WU/Admin/Admin/Professional Services - General	\$ 38,695	\$ 22,257	\$ 365,800	\$ 135,925	\$ 371,300	\$ 152,781	\$ 383,800
10-01-10-541-010	WU/Admin/Admin/Other Services - General	\$ 4,908	\$ 167	\$ 2,178	\$ 1,966	\$ 2,178	\$ 1,273	\$ 1,188
10-01-10-542-010	WU/Admin/Admin/Public Relations	\$ 62,009	\$ 97,148	\$ 111,300	\$ 78,061	\$ 80,089	\$ 55,286	\$ 115,725
10-01-10-542-020	WU/Admin/Admin/Procurement Advertising	\$ 10,069	\$ 12,550	\$ 10,000	\$ -	\$ 10,000	\$ 5,497	\$ 10,000
10-01-10-544-000	WU/Admin/Admin/Freight and Postage Services	\$ -	\$ 6,503	\$ 12,870	\$ 2,113	\$ 12,870	\$ 1,412	\$ 12,870
10-01-10-545-000	WU/Admin/Admin/Rentals and Leases	\$ 20,000	\$ 20,000	\$ 52,900	\$ 20,595	\$ 50,900	\$ 15,612	\$ 50,900
10-01-10-546-000	WU/Admin/Admin/Insurance	\$ 69,109	\$ 279,240	\$ 1,195,000	\$ 62,466	\$ 395,000	\$ 1,358	\$ 345,000
10-01-10-551-000	WU/Admin/Admin/Utility Services	\$ 146,400	\$ 135,454	\$ 177,540	\$ 174,681	\$ 162,624	\$ 114,165	\$ 163,878
10-01-10-561-000	WU/Admin/Admin/Repairs and Maintenance - Other than Water System	\$ 12,158	\$ 21,555	\$ -	\$ 18,987	\$ -	\$ -	\$ -
10-01-10-563-000	WU/Admin/Admin/Operating Supplies	\$ 1,517	\$ 7,272	\$ 5,000	\$ 3,651	\$ 5,000	\$ 996	\$ 5,000
10-01-10-570-010	WU/Admin/Admin/Books, Publications, Subscriptions, and Memberships	\$ 21,958	\$ 33,290	\$ 26,685	\$ 9,237	\$ 26,685	\$ 18,891	\$ 26,440
10-01-10-570-020	WU/Admin/Admin/Books, Publications, Subscriptions, and Memberships - Board	\$ 600	\$ 375	\$ 1,025	\$ 450	\$ 1,095	\$ 150	\$ 1,095
10-01-10-571-010	WU/Admin/Admin/Training and Development	\$ 12,209	\$ 14,460	\$ 13,500	\$ 33,039	\$ 13,500	\$ 11,772	\$ 23,500
10-01-10-572-010	WU/Admin/Admin/Travel and Per Diem	\$ 28,504	\$ 35,131	\$ 38,600	\$ 26,873	\$ 59,880	\$ 30,191	\$ 62,450
10-01-10-572-020	WU/Admin/Admin/Travel and Per Diem - Board	\$ 8,862	\$ 8,783	\$ 17,490	\$ 6,139	\$ 20,970	\$ -	\$ 20,970
10-01-10-573-010	WU/Admin/Admin/Meeting Expense	\$ 2,034	\$ 3,544	\$ 13,500	\$ 4,158	\$ 26,440	\$ 8,847	\$ 26,440
10-01-10-573-020	WU/Admin/Admin/Meeting Expense - Board	\$ 5,680	\$ 5,054	\$ 14,075	\$ 7,609	\$ 9,952	\$ 914	\$ 6,952
	OPERATING EXPENSES	\$ 444,713	\$ 702,785	\$ 2,057,463	\$ 585,949	\$ 1,248,483	\$ 419,145	\$ 1,256,208
10-01-00-604-999	WU/Admin/Capital Outlay - Rehab and Replace/Misc. Capital Purchases	\$ -	\$ -	\$ 90,000	\$ 57,789	\$ -	\$ -	\$ -
10-01-00-605-999	WU/Admin/Capital Outlay - Expansion/Misc. Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	CAPITAL PURCHASES	\$ -	\$ -	\$ 90,000	\$ 57,789	\$ -	\$ -	\$ -
	SUMMARY OF OPERATING EXPENSES	\$ 444,713	\$ 702,785	\$ 2,057,463	\$ 585,949	\$ 1,248,483	\$ 419,145	\$ 1,256,208
	SUMMARY OF CAPITAL PURCHASES	\$ -	\$ -	\$ 90,000	\$ 57,789	\$ -	\$ -	\$ -
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$ 444,713	\$ 702,785	\$ 2,147,463	\$ 643,738	\$ 1,248,483	\$ 419,145	\$ 1,256,208

General Expenses - Admin

TOTAL: WU/Admin/Admin/Professional Services - General **\$38,694.50** **\$22,257** **\$365,800** **\$135,925** **\$371,300** **\$152,781** **\$383,800** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Special Counsel		\$0.00		\$25,000.00		\$25,000.00		\$25,000.00	No
Legislative Liaison		\$0.00		\$30,000.00		\$30,000.00		\$40,000.00	No
Leadership Training	Professional Speaker					\$5,000.00		\$7,500.00	Yes
Professional Interpreter & Facilitator	for Public meetings					\$500.00		\$500.00	No
Other Services - Board	Performance Audit	\$0.00		\$300,000.00		\$300,000.00		\$300,000.00	No
HR Related Services	Pre-Employment and Reasonable Suspicion; Drug & Alcohol Testing	\$194.50		\$800.00		\$800.00		\$800.00	No
Arbitration	Attorney Fees	\$0.00		\$10,000.00		\$10,000.00		\$10,000.00	No

TOTAL: WU/Admin/Admin/Other Services - General **\$4,908** **\$167** **\$2,178** **\$1,966** **\$2,178** **\$1,273** **\$1,188** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Alarm Service				\$ 1,056.00		\$ 1,056.00		\$ 1,188.00	No
Solid Waste Disposal Services	Garden Island Disposal			\$ 1,122.00		\$ 1,122.00		\$ -	No
		\$ -							

TOTAL: WU/Admin/Admin/Public Relations

\$62,009

\$97,148

\$111,300

\$78,061

\$80,089

\$55,286

\$115,725 [Admin Exper](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Public Relations Programs	Advertising; Promotional & Education Materials (logo items, giveaways, publications, brochures, meeting supplies, presentation supplies, displays, etc.)			\$50,000		\$40,200		\$65,200	No
Water Conservation Program	Summer Conservation Program; DOW Water Conservation Plan			\$0					No
Project WET	Make-A-Splash, Project WET Outreach			\$25,000		\$15,000		\$15,000	No
Water Conservation District (EWSWD)	Grant			\$7,500		\$7,500		\$7,500	No
Public Meeting Facilitator	for Public meetings			\$500		\$1,000			No
Cultural Services	Blessing, Info, etc.			\$3,300		\$3,300		\$3,025	No
Blackboard Connect CTY	Contract for County Mass Notification System - Blackboard Connect CTY			\$25,000		\$13,089		\$25,000	No

TOTAL: WU/Admin/Admin/Procurement Advertising **\$10,069** **\$12,550** **\$10,000** **\$0** **\$10,000** **\$5,497** **\$10,000** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Publications	All Divisions - Legal Ads for Solicitation, Public Notices for Projects, Proposals for all Divisions including Board Notices			\$10,000.00		\$10,000.00		\$10,000.00	No

TOTAL: WU/Admin/Admin/Freight and Postage Services

\$0 \$6,503 \$12,870 \$2,113 \$12,870 \$1,412 \$12,870 [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
NEOPOST - Departmental Postage	Office communication not Including Water Bills; Includes Governmental Records, Water System Standards, Water Quality Reports, etc, Ink Cartridge. (Lease - \$530*12, Ink Cartridge - \$200*2, Refill - \$2,000*3)			\$12,770.08		\$12,770.08		\$12,770.08	No
Bureau Copy Request				\$100.00		\$100.00		\$100.00	No

TOTAL: WU/Admin/Admin/Rentals and Leases

\$20,000

\$20,000

\$52,900

\$20,595

\$50,900

\$15,612

\$50,900 [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
License Fee Agreement McBryde Trust	Kalaheo/Koloa Water System	\$9,999.90		\$19,999.80		\$19,999.80		\$19,999.80	No
Lease Agreement with Grove Farm	Kōloa Wells 16 A, B, & E	\$0.00		\$30,900.00		\$30,900.00		\$30,900.00	No

TOTAL: WU/Admin/Admin/Insurance

\$69,109 \$279,240 \$1,195,000 \$62,466 \$395,000 \$1,358 \$345,000 [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Insurance and Bonds	General, Excess, Liability/Property Insurance and Provision **A provision of \$100,000 each is provided annually to cover both premium and reserves for General Liability and Property Insurance; the Department of Water in conjunction with the County of Kauai is self-insured for liability and automobile insurance. Excess coverage after a certain limit is obtained. Claims exceeding the approved budget may use the DOW's reserve fund with a board approval.	\$0.00		\$1,000,000.00		\$200,000.00		\$150,000.00	No
Small Claims	Small Claims fund per Board Policy #25 authorizing the County Attorney to investigate, settle and pay all claims filed against the Board of Water Supply where such claims amount to \$10,000	\$98.21		\$5,000.00		\$5,000.00		\$5,000.00	No
Board Approved Claims	Claims outside of the County Attorney's discretion.	\$0.00		\$40,000.00		\$40,000.00		\$40,000.00	No
Workers Compensation Settlements	Workers Comp, etc	\$18,124.00		\$150,000.00		\$150,000.00		\$150,000.00	No

General Expenses - Admin

TOTAL: WU/Admin/Admin/Utility Services **\$146,400** **\$135,454** **\$177,540** **\$174,681** **\$162,624** **\$114,165** **\$163,878** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Electricity	Front/Back Office & Microlab Building	\$69,657.67		\$154,440.00		\$154,440.00		\$154,440.00	No
Water		\$6,769.49		\$14,916.00		\$0.00		\$0.00	Yes
Puhi Sewer & Water		\$3,706.26		\$8,184.00		\$8,184.00		\$8,184.00	Yes

TOTAL: WU/Admin/Admin/Repairs and Maintenance -
Other than Water System

\$12,158

\$21,555

\$0

\$18,987

\$0

\$0

[Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Air Conditioning	Maintenance & Service Calls	\$2,370.00		\$0.00					No
Elevator	Maintenance and Saftey Test Fees	\$4,470.79		\$0.00					No

TOTAL: WU/Admin/Admin/Operating Supplies **\$1,517** **\$7,272** **\$5,000** **\$3,651** **\$5,000** **\$996** **\$5,000** [Admin Expenses \(Kirk\)A1](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Operating Supplies/Small Tools & Equipment	With expected vacancies, safety supplies, dual monitors, screen protectors, working table, notarial supplies, phone accessories etc.			\$5,000.00		\$5,000.00		\$5,000.00	NO

TOTAL: WU/Admin/Admin/Books, Publications, Subscriptions, and Memberships **\$21,958** **\$33,290** **\$26,685** **\$9,237** **\$26,685** **\$18,891** **\$26,440** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
AWWA Membership	Annual Membership Dues for the DOW			\$3,450.00		\$3,450.00		\$3,700.00	No
Books and Subscriptions	Books for ALL DIVISIONS - Library, Subscriptions for TGI, STAR, ENR, Pacific Buisness News, HR, Manuals, Guide books, etc.			\$4,000.00		\$4,000.00		\$4,000.00	No
Water Research Foundation	Annual Membership Dues for the DOW			\$10,000.00		\$10,000.00		\$10,000.00	No
Hawaii State Bar Association	Annual Association Dues			\$550.00		\$550.00		\$550.00	No
Westlaw / Thomson Reuters	County Attorney Dues \$95.21 * 12 (months)			\$1,200.00		\$1,200.00		\$1,200.00	No
Hawaii Rural Water Association	Annual Membership Dues for the DOW			\$6,600.00		\$6,600.00		\$6,500.00	No
SHRM	Society for for Human Resource Management Membership Dues			\$265.00		\$265.00		\$270.00	No
IPMA-HR	International Public Management Association for HR Membership Dues			\$220.00		\$220.00		\$220.00	No
SAM	System for Award Mangement Registration Processing Fee			\$ 400.00		\$ 400.00		\$ -	No

General Expenses - Admin

TOTAL: WU/Admin/Admin/Books, Publications, Subscriptions, and Memberships - Board **\$600** **\$375** **\$1,025** **\$450** **\$1,095** **\$150** **\$1,095** [Admin Expe](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
AWWA Membership	Individual Membership Dues for Board Members (7)			\$525.00		\$595.00		\$595.00	No
Books and Subscriptions				\$500.00		\$500.00		\$500.00	No

TOTAL: WU/Admin/Admin/Training and Development

\$12,209 \$14,460 \$13,500 \$33,039 \$13,500 \$11,772 \$23,500 [Admin Expense](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Seminars & Workshops	Registration for administration personnel workshops and technical workshops and other educational workshops, mindfulness, including human resources, public relations and attorney (see GL 572-010 travel & per diem if travel is required)	\$2,234.96		\$7,000.00		\$7,000.00		\$17,000.00	No
Recognition Program	Retirees, Water Bucks, Recognition Awards (Trophies, Leis, Plaques)	\$211.26		\$6,500.00		\$6,500.00		\$6,500.00	No

TOTAL: WU/Admin/Admin/Travel and Per Diem \$28,504 \$35,131 \$38,600 \$26,873 \$59,880 \$30,191 \$62,450 [Admin Exp](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request ?
Legislature	Per diem and airfare for the Manager & Chief Engineer	\$1,235.71		\$1,000.00		\$2,000.00		\$2,500.00	No
Water Security Advisory Group ACT 172, Section 5	Per diem and airfare for the Manager & Chief Engineer	\$339.01		\$800.00		\$800.00		\$800.00	No
Fresh Water Council	Per diem and airfare for the Manager & Chief Engineer			\$800.00		\$800.00		\$800.00	No
Water Loss Control Committee ACT 169, SB2645	Per diem and airfare for the Manager & Chief Engineer			\$800.00		\$800.00		\$800.00	No
Seminars & Workshops	Per diem and airfare for administration personnel workshops and technical conferences and other educational workshops, human resources, public relations and attorney (see GL 571-010 for registration fees)	\$2,533.54		\$10,000.00		\$10,000.00		\$10,000.00	No
Project WET Conference	Project WET (Per Diems and Airfare)					\$4,200.00		\$4,200.00	No
12th Annual Wahine Forum Conference	Per diem and airfare Date TBA (Honolulu, HI) x 6 Personnel With one night overnight stay					\$1,008.00		\$3,078.00	No
AWWA National Conference	June 13-16 2020 (San Diego, CA) x 3 Personnel Anticipated travel (June 11-17) 6 days & 5 nights w/ 3 rooms	\$7,755.46		\$10,710.00		\$10,710.00		\$10,710.00	No
AWWA Conference	AWWA Water quality technology conference and exposition					\$2,970.00		\$2,970.00	No
AWWA Conference	AWWA water infrastructure conference and exposition					\$2,970.00		\$2,970.00	No
AWWA Conference	AWWA North American water loss conference and exposition					\$2,970.00		\$2,970.00	No
AWWA Hawaii HWEA Pacific Water Conference	Date TBA 2020 (Honolulu, HI) x 4 Personnel Anticipated travel (Date February TBA) 3 days & 2 nights w/ 4 rooms	\$1,676.87		\$3,480.00		\$3,480.00		\$3,480.00	No
HWAA Hawai'i Section Conference	Date TBA 2020 (Honolulu, HI) x 4 Personnel Anticipated travel (Date November TBA) 3 days & 2 nights w/ 4 rooms	\$5,751.43		\$0.00		\$3,480.00		\$3,480.00	No
HRWA Quarterly Meetings	Per diem and airfare for the Manager & Chief Engineer Date TBA 2020 (Maui, HI) X 1 Personnel Day Meeting Only	\$728.72		\$800.00		\$552.00		\$552.00	No
AWWA/WEF Utility Management Conference	Per diem and airfare for the Manager & Chief Engineer Date TBA 2020 (Location TBA) Anticipated travel 6 days & 5 nights w/ 1 room			\$3,570.00		\$3,570.00		\$3,570.00	No
Administrative Conference	Per diem and airfare Date TBA (Location TBA) x 2 Personnel Anticipated travel 6 days & 5 nights w/ 2 rooms	\$1,447.56		\$4,140.00		\$5,070.00		\$5,070.00	No
FY 2021 Budget 01- Admin - Admin - HR Conference			10-01-10-572-010 4/3/2020			\$2,000.00		\$2,000.00	No
Ground Transportation	Car Rental, Shuttle Services, Airport Parking Reimbursement	\$1,935.75		\$2,500.00		\$2,500.00		\$2,500.00	No

TOTAL: WU/Admin/Admin/Travel and Per Diem - Board		\$8,862	\$8,783	\$17,490	\$6,139	\$20,970	\$20,970	\$20,970	Admin Expense
Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Seminars & Workshops	Per diem and airfare for Board workshops and technical conferences and other educational workshops (see GL 573-020:Meeting Expense for registration fees)			\$1,000.00		\$1,000.00		\$1,000.00	No
AWWA National Conference	June 13-16 2020 (San Diego, CA) x 3 Personnel Anticipated travel (June 11-17) 6 days & 5 nights w/ 3 rooms	\$7,471.69		\$10,710.00		\$10,710.00		\$10,710.00	No
AWWA Hawaii HWEA Pacific Water Conference	Date TBA 2020 (Honolulu, HI) x 4 Personnel Anticipated travel (Date February TBA) 3 days & 2 nights w/ 4 rooms	\$2,282.02		\$3,480.00		\$3,480.00		\$3,480.00	No
HWWA Hawaii Section Conference	Date TBA 2020 (Honolulu, HI) x 4 Personnel Anticipated travel (Date November TBA) 3 days & 2 nights w/ 4 rooms	\$998.49		\$0.00		\$3,480.00		\$3,480.00	No
Mileage				\$300.00		\$300.00		\$300.00	No
Ground Transportation	Car Rental, Shuttle Services, Airport Parking Reimbursement	\$324.80		\$1,000.00		\$1,000.00		\$1,000.00	No
Unanticipated Travels	For board training & development - travel & per diem			\$1,000.00		\$1,000.00		\$1,000.00	No

General Expenses - Admin

TOTAL: WU/Admin/Admin/Registration and Meeting Expense **\$ 2,034 \$ 3,544 \$ 13,500 \$ 4,158 \$ 26,440 \$ 8,847 \$ 26,440** [Admin Expense](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Board Meeting	Lunch for Board Meeting X 18 Mtgs					\$ 3,240.00		\$ 3,240.00	No
Seminars & Workshops	Meeting materials/Supplies (cutlery, coffee, etc.)	\$ 33.53		\$ 1,000.00		\$ 1,000.00		\$ 1,000.00	No
Annual meeting / Conference	Meeting materials/Supplies	\$ 2,000.94		\$ 2,500.00		\$ 3,000.00		\$ 3,000.00	No
HWWA	Kauai Conference			\$ 10,000.00		\$ -		\$ -	No
Administrative Conference	Registration for Administrative Professionals Conferences	\$2,495.00		\$5,000.00		\$5,000.00		\$5,000.00	No
IPMA-HR Conference	Registration & Pre-Workshop (IPMA-HR = International Public Management Association)					\$2,500.00		\$2,500.00	No
Project WET Conference	Project WET Registrations (X2)					\$800.00		\$800.00	No
12th Annual Wahine Forum Conference	Registration - Hawaii's largest leadership and career development conference for women. The forum is attended by Hawaii's top female executives, entrepreneurs, up-and-coming leaders and others intent on advancing their careers. Connect with like-minded individuals and cultivate relationships at this full-day event featuring national speakers and local leaders. (Honolulu, HI) (\$200 X 6)					\$1,200.00		\$1,200.00	No
AWWA National Conference	Registration & Course Materials X 3 San Diego, CA) (June 13-16 2020) (\$900 X 3)	\$2,650.00		\$5,400.00		\$2,700.00		\$2,700.00	No
AWWA Conference	AWWA Water quality technology conference and exposition					\$700.00		\$700.00	No
AWWA Conference	AWWA water infrastructure conference and exposition					\$700.00		\$700.00	No
AWWA Conference	AWWA North American water loss conference and exposition					\$700.00		\$700.00	No
AWWA Hawaii HWEA Pacific Water Conference	Registration & Course Materials X 4 (Honolulu, HI) (Date TBA Feb 2020) (\$550 X 4)	\$1,490.00		\$2,800.00		\$2,200.00		\$2,200.00	No
HWWA Hawai'i Section Conference	Registration & Course Materials (Honolulu, HI) (Date TBA Nov 2020) (\$500 X 4)	\$2,250.00		\$24,000.00		\$2,000.00		\$2,000.00	No
FY 2021 Budget 01-10-01-10-573-010 AWWA Admin Utility Management Conference	Registration and Course Materials (Location & Date TBA) (\$700 X 1)	10-01-10-573-010 \$0.00	4/3/2020	\$1,000.00		\$700.00		\$700.00	No

TOTAL: WU/Admin/Admin/Meeting Expense - Board		\$5,680	\$5,054	\$14,075	\$7,609	\$9,952	\$914	\$6,952	Admin Exp
Line Item	Notes (see GL 572-020:Travel & Per Diem/Board for Travel & Per Diem)	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Seminars & Workshops	Registration for Board workshops and technical conferences and other educational workshops			\$1,000.00		\$500.00		\$500.00	No
AWWA National Conference	Registration & Course Materials X2 (Orlando, FL) (June 14-17 2020) (\$900 X 3)	\$2,100.00		\$5,400.00		\$2,700.00		\$1,800.00	No
AWWA Hawaii HWEA Pacific Water Conference	Registration & Course Materials X 4 (Honolulu, HI) (Date TBA Feb 2020) (\$550 X 2)	\$2,370.00		\$2,800.00		\$2,200.00		\$1,100.00	No
HWWA Hawai'i Section Conference	Registration & Course Materials (Honolulu, HI) (Date TBA Nov 2020) (\$500 X 2)	\$375.00		\$2,975.00		\$2,000.00		\$1,000.00	No
Meals	Board Meetings			\$900		\$1,512		\$1,512	No
Drinks and supplies	Board Meetings			\$500		\$540		\$540	No
Publications	Advertising, Public Notices (moved budget to 542-020)					\$0.00		\$0.00	
Miscellaneous	Contingency for Board trainings			\$500.00		\$500.00		\$500.00	

General Expenses - Admin

TOTAL: WU/Admin/Capital Outlay - Rehab and Replace/Misc. Capital Purchases **\$0.0** **\$0.0** \$ 90,000 57,789 **\$0.0** 0 **\$0.0** [Admin Exps](#)

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
Air Conditioning	Microlab Server Room (replace)	\$0							
SUV 4DR 4Wh Dr	Replace ck 1678 & CK 1679, assigned vehicles for the Manager & chief engineer and the Deputy Manager.			90,000.00					

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed Budget
Water Utility Fund								
10-02-10-540-010	WU/IT/Admin/ Professional Services	\$ 2,600	\$ 118,547	\$ 160,000	\$ 95,363	220,000	\$ 207,627	60,000
10-02-10-543-000	WU/IT/Admin/Communication Services	\$ 82,517	\$ 74,898	\$ 82,260	\$ 76,667	\$ 86,060	\$ 47,121	\$ 83,360
10-02-50-543-000	WU/IT/Power/Pump/Communication Services	\$ -	\$ -	\$ 38,100	\$ 34,720	\$ 41,084	\$ 28,737	\$ 47,084
10-02-10-544-000	WU/IT/Admin/Freight and Postage Services	\$ -	\$ 30	\$ 500	\$ 5	\$ 500	\$ -	\$ -
10-02-10-545-000	WU/IT/Admin/Rentals and Leases	\$ 24,697	\$ 19,597	\$ 30,175	\$ 20,661	\$ 30,175	\$ 17,994	\$ 30,175
10-02-10-561-000	WU/IT/Admin/Repairs and Maintenance - Other than Water System	\$ 486,797	\$ 252,860	\$ 397,150	\$ 355,365	\$ 488,750	\$ 220,674	\$ 458,900
10-02-10-563-000	WU/IT/Admin/Operating Supplies	\$ 66,131	\$ 75,827	\$ 61,000	\$ 58,465	\$ 61,000	\$ 25,827	\$ 61,000
10-02-10-570-010	WU/IT/Admin/Books, Publications, Subscriptions, and Memberships	\$ -	\$ -	\$ 500	\$ 318	\$ 500	\$ 935	\$ 60,200
10-02-10-571-010	WU/IT/Admin/Training and Development	\$ 9,363	\$ 4,390	\$ 12,000	\$ 2,615	\$ 12,000	\$ 972	\$ 10,000
10-02-10-572-010	WU/IT/Admin/Travel and Per Diem	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	OPERATING EXPENSES	\$ 672,106	\$ 546,149	\$ 781,685	\$ 644,180	\$ 940,069	\$ 549,886	\$ 810,719
10-02-00-604-999	WU/IT/Capital Outlay - Rehabilitation and Replacement/Misc. Capital Purchases	\$ 50,588	\$ 216,357	\$ 427,500	\$ 147,940	\$ 270,000	\$ 147,940	\$ 270,000
10-02-00-605-999	WU/IT/Capital Outlay - Expansion/Misc. Capital Purchases	\$ 35,567	\$ -	\$ 310,000	\$ 6,899	\$ 425,000	\$ 6,899	\$ 425,000
	SUMMARY OF CAPITAL PURCHASES	\$ 86,155	\$ 216,357	\$ 737,500	\$ 154,839	\$ 695,000	\$ 154,839	\$ 695,000
	SUMMARY OF OPERATING EXPENSES	\$ 672,106	\$ 546,149	\$ 781,685	\$ 644,180	\$ 940,069	\$ 549,886	\$ 810,719
	SUMMARY OF CAPITAL PURCHASES	\$ 86,155	\$ 216,357	\$ 737,500	\$ 154,839	\$ 695,000	\$ 154,839	\$ 695,000
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$ 758,261	\$ 762,507	\$ 1,519,185	\$ 799,019	\$ 1,635,069	\$ 704,725	\$ 1,505,719

TOTAL: WU/IT/Admin/ Professional Services **\$2,600** **\$118,547** **\$160,000** **\$95,363** **\$220,000** **\$207,627** **\$60,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual as of 2.29.20	FY 2020 -2021 Budget
As-Needed Technical Support				\$50,000		\$40,000		\$40,000
IT Strategic Plan - Financial System Upgrade	Upgrade of Microsoft GP from GP2013 to GP2018 and upgrade of Paramount WorkPlace with As-needed Technical Services			\$10,000		\$150,000		\$0
IT Strategic Plan - Project Management						\$20,000		\$20,000
IT Strategic Plan - Review & Align Billing System Configuration	IT Strategic Plan - Review & Align Billing System Configuration					\$0		\$0
Review & Update of IT Strategic Plan				\$80,000		\$10,000		\$0
CC&B Upgrade Consultant Work	Upgrade from Version 2.4.0.3 to most current version of 2.5.x.x - Maui's share = 50% of \$640,000; shown as miscellaneous revenues in the budget. Full amount is requested in the budget so that DOW can proceed with procurement without having to wait for Maui's portion. Maui's payment will be credited to this account.			\$0		\$0		\$0
As-Needed Technical Support for Oracle Cloud Service, Billing Insight, Field Service Management, and Customer Care & Billing				\$20,000		\$0		\$0

TOTAL: WU/IT/Admin/Communication Services \$82,517 \$74,898 \$82,260 \$76,667 \$86,060 \$47,121 \$83,360

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual as of 2.29.20	FY 2020 -2021 Budget
Frame Relay (128K)	Monthly charge of 225 x 12			\$2,700		2,700		\$2,700
Frame Relay (56K)	Monthly charge of 115 x 12			\$1,380		\$1,380		\$1,380
Main Telephone Lines	Monthly charge of 450 x 12			\$5,400		\$5,400		\$5,400
Bandwidth	Monthly charge of 2500 x 12	\$38,362.00		\$30,000		\$30,000		\$30,000
Microlab Elevator; Panic Button; Fire Alarm - 2nd Line New Building; Elevator New Building; Fire Alarm 1st line New Building	Monthly 315 x 12 months			\$3,780		\$3,780		\$3,780
Ops Fax Line; Microlab Fire Alarm; Fax Machine	Monthly 150 x 12 months			\$1,800		\$1,800		\$1,800
Fax for New Building - 1st Floor Office	Monthly 50 x 12 months			\$600		\$600		\$600
Fire Alarm 2 Lines - Ops	Monthly 90 x 12 months			\$1,080		\$1,080		\$1,080
Frame Relay (AS400)	Monthly charge of 115 x 12			\$1,380		\$1,380		\$1,380
Internet Connection	Monthly charge of 600 x 12 (RR)	\$5,982.00		\$7,200		\$7,200		\$7,200
Lavanet	Monthly charge of 50 x 12	\$2,787.75		\$3,300		\$3,300		\$600
Long Distance Charges	Monthly 120 x 12 months	\$1,174.00		\$1,440		\$1,440		\$1,440
Cellular Phone (Office, includes cell phones, Ipads, and Mobile Hot Spots; Telemetry for SCADA)	Monthly 2000 x 12 months - This cost is only for monthly services. Any replacement/new equipment and/or accessories will come from IT's Operating Budget line item.	\$16,755.35		\$22,200		\$24,000		\$24,000
Unanticipated Costs	increased costs in surcharges & taxes					\$2,000		\$2,000
DOW hotspot - combined with Internet Connection	Monthly 200 X 12 (HOTSPOT For Employees to connect their personal devices to)					\$0		
Fax for Administration	Monthly 50 x 3 months					\$0		
Fax for Main Office	Monthly 50 x 3 months					\$0		
Microlab Fire Alarm	Monthly 150 x 12 months					\$0		
Office Alarm Circuit	Monthly 100 x 12 months					\$0		
Elevator Phone - New Building	Monthly 50 x 12 months					\$0		
Fire Alarm - New Building	Monthly 50 x 12 months					\$0		

IT Expenses

TOTAL: WU/IT/Power/Pump/Communication Services

\$0 \$0 \$38,100 \$34,720 \$41,084 \$28,737 \$47,084

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual as of 2.29.20	FY 2020 -2021 Budget
Frame Relay (56K) R065	Monthly charge of 130 x 12			\$1,560		1,560		1,560
SCADA Room	Monthly charge of 50 x 12			\$600		\$600		\$600
Haena Connection	Monthly charge of 50 x 12			\$600		\$600		\$600
Hanalei Connection	Monthly charge of 50 x 12			\$600		\$600		\$600
SCADA Alarm	Monthly charge of 50 x 12			\$600		\$600		\$600
Auto Dialer - Lihue	Monthly charge of 50 x 12			\$600		\$600		\$600
Lawai #2	Monthly charge of 50 x 12			\$600		\$600		\$600
Kekaha - Paua	Monthly charge of 50 x 12			\$600		\$600		\$600
Auto Dialer - Kilauea	Monthly charge of 50 x 12			\$600		\$600		\$600
SCADA Submaster - Kilauea	Monthly charge of 50 x 12			\$600		\$600		\$600
Hanamaulu Tank Circuit	Monthly charge of 30 x 12			\$360		\$360		\$360
Frame Relay (56K) Ornelias	Monthly charge of 115 x 12			\$1,380		\$1,380		\$1,380
Frame Relay (56K) Kalaheo	Monthly charge of 130 x 12			\$1,560		\$1,560		\$1,560
Frame Relay (56K) Koloa	Monthly charge of 130 x 12			\$1,560		\$1,560		\$1,560
Frame Relay (56K) Nonou	Monthly charge of 130 x 12			\$1,560		\$1,560		\$1,560
Frame Relay (56K) Eleele	Monthly charge of 130 x 12			\$1,560		\$1,560		\$1,560
Frame Relay (56K) Kekaha/Waimea	Monthly charge of 130 x 12			\$1,500		\$1,500		\$1,500
Frame Relay (56K) Kilauea	Monthly charge of 130 x 12			\$1,560		\$1,560		\$1,560
Haena Well Connection	Monthly charge of 500 x 12			\$600		\$600		\$600
Waipao/Kekaha Connection	Monthly charge of 30 x 12			\$360		\$360		\$360
Paua/Kekaha Connection	Monthly charge of 30 x 12			\$360		\$360		\$360
Hanamaulu Booster	Monthly charge of 50 x 12					\$600		\$600
Cell phones for standby personnel	Cell Phone for Operations Personnel (23 personnel, 3 for alarm surges); Monthly 2000 x 12 months - This cost is only for monthly services. Any replacement/new equipment and/or accessories will come from IT's Operating Budget line item			\$18,000		\$18,000		\$24,000
DSL Service for employee to access SCADA from home	2 DSL Services \$97 x 12			\$780		\$1,164		\$1,164
Unanticipated Costs	increased costs in surcharges & taxes					\$2,000		\$2,000
	<i>MOVED FROM OPERATIONS BUDGET TO IT FOR BETTER ACCOUNTABILITY</i>							

TOTAL: WU/IT/Admin/Freight and Postage Services

\$0

\$30

\$500

\$5

\$500

\$0

\$0

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
Shipping Leased Computers				\$ -		-		
Shipping of hardware for fixing				\$ 500		500		\$ -

TOTAL: WU/IT/Admin/Rentals and Leases

\$24,697

\$19,597

\$30,175

\$20,661

\$30,175

\$17,994

\$30,175

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
Copier Leases		\$24,109		\$25,000		25,000		25,000
Postage Machine/Scale Feeder		\$416		\$5,000		\$5,000		\$5,000
Contingencies								
Safe Deposit Box		\$172		\$175		\$175		\$175

TOTAL: WU/IT/Admin/Repairs and Maintenance - **\$486,797** **\$252,860** **\$397,150** **\$355,365** **\$488,750** **\$220,674** **\$458,900**
 Other than Water System

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget	IT Expenses
OCE Printer/Scanner		\$ 5,634.84		\$ 6,250		6,250		\$6,400	lease
HP Printers		pending invoice		\$ 3,500		\$ 3,500			
Firewall				\$ 5,000		\$ 5,000		\$6,000	
Dell Maintenance	Extension of Yearly Server Maintenance	\$ 3,854.14		\$ 2,500		\$ 24,000		\$24,000	??
AMR Software/Trimble Handhelds (Badger)	Handhelds for Meter Readers	pending invoice		\$ 9,000		\$ 9,000		\$9,000	billing
Anti-Virus		\$ 3,854.00		\$ 5,000		\$ 5,000		\$6,000	IT Expenses
ESRI	DOW supplement payment to County for use of ESRI	\$ 260.42		\$ 2,500		\$ 17,500		\$17,500	water resources
Great Plains	Maintenance & Support	pending contract		\$ 12,000		\$ 12,000		\$9,700	Fiscal
Citrix (Go to Assist/Meeting)		\$ 1,847.04		\$ 2,000		\$ -		\$0	
XC2		\$ 960.00		\$ 1,300		\$ 1,300		\$1,500	Resource Planning
MPET/MMIS		\$ 7,250.00		\$ 20,000		\$ 20,000		\$20,000	Ops
AutoCAD	5 licenses			\$ 5,500		\$ 5,500		\$6,000	Eng
Go Exchange				\$ 3,500		\$ 3,500		\$3,500	??
IP Switch				\$ 1,000		\$ -		\$0	
VoIP Phone		\$ 9,843.09		\$ 13,000		\$ 13,000		\$13,000	ALL
Team				\$ 500		\$ 500		\$500	Admin
SSL Certificate				\$ 800		\$ 800		\$900	ALL
Paramount	Maintenance & Support	pending review of		\$ 3,000		\$ 3,000		\$4,000	Fiscal
Websense		\$ 8,511.95		\$ 4,000		\$ 5,000		\$0	
Terrago				\$ 500		\$ -		\$0	
Fire Suppression Systems	Fenwall FM-200 Fire Suppression System			\$ 3,000		\$ 3,000		\$3,000	Ops
Backup						\$ 900		\$900	ALL
Egnyte						\$ 3,000		\$3,000	??
Project Management Software				\$ 40,000	\$ -	\$ 40,000	\$ -	\$40,000	CM
Adobe Subscription	Annual Subscription Renewals			\$ 3,000		\$ 8,000		\$0	moved to 570
Oracle Cloud Services	Mau'i's share = 62.5% of \$200,000 shown as miscellaneous revenues in the budget. Full amount is requested in the budget so that DOW can proceed with procurement without having to wait for Mau'i's portion. Mau'i's payment will be credited to this account.	\$ 26,403.00		\$200,000	\$ -	\$0	\$ -	\$0	
CCnB Cloud Hosting Services	Multi-year contract				\$ -	\$250,000	\$ -	\$250,000	Fiscal
Customer Care & Billing License	Kauai License			\$30,000	\$ -	\$30,000	\$ -	\$30,000	Fiscal
Innovyze				\$4,000	\$ -	\$4,000	\$ -	\$4,000	water resources
Beacon Subscription Fee	Subscription Fee for AMI Meters (\$0.89 per meter per month) For MK16	\$ 240.00		\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$0	moved to 570
Maintenance/Troubleshooting	Various As-Needed Technical Support	\$ 19,513.13		\$ -	\$ -	\$ -	\$ -		
Water CAD		\$ 3,469.16		\$ -	\$ -	\$ -	\$ -		
Busch Consulting - Hours	firewall block of hours			\$ -	\$ -	\$ -	\$ -		
Stellent				\$ -	\$ -	\$ -	\$ -		
Office Watch - Metropolis		\$ 913.00		\$ -	\$ -	\$ -	\$ -		
Canon Scanner				\$ 1,300	\$ -	\$ -	\$ -		
Trimble Handhelds (Badger)	Handhelds for Meter Readers	pending invoice							

TOTAL: WU/IT/Admin/Operating Supplies \$66,131 \$75,827 \$61,000 \$58,465 \$61,000 \$25,827 \$61,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
Computer Supplies	Software, storage devices, toner, etc	\$ 23,219		\$ 40,000		40,000		40,000
Computer Hardware	Printers, external hard drives, etc	\$ 17,816		\$ 10,000		\$ 10,000		\$ 10,000
Paper for Oce & Large Format Printers	Paper for Large Format Printers	\$ 5,628		\$ 8,000		\$ 8,000		\$ 8,000
Replacement of cell phone equipment	Hardware and Accessories			\$3,000		\$3,000		\$3,000

TOTAL: WU/IT/Admin/Books, Publications, Subscriptions, and Memberships **\$0 \$0 \$500 \$318 \$500 \$935 \$60,200**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
Books/Magazines/Subscriptions	Computer Books and Magazines			\$500		500		1,000
Office 365 Subscription	\$25 per month per user (100user *25 per month * 12 months)							\$30,000
Adobe Subscription	Acrobat, PhotoShop, Adobe sign							\$14,200
Beacon Subscription Fee	Subscription Fee for AMI Meters (\$0.89 per meter per month) For MK16							\$15,000

IT Expense:

Ops

TOTAL: WU/IT/Admin/Training and Development

\$9,363

\$4,390

\$12,000

\$2,615

\$12,000

\$972

\$10,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
IT Training	Training for IT Personnel (I.T. responsible for several new applications and requesting for formal training to better support staff, including and not limited to: Great Plains, SQL Server, and SharePoint.) Each Training cost is approximately \$6000.00, which includes, Registration, All Travel Costs, PerDiem, etc.	\$9,363		\$12,000		12,000		10,000

TOTAL: WU/IT/Admin/Travel and Per Diem

\$0

\$0

\$0

\$0

\$0

\$0

\$0

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 Actual	FY 2020 -2021 Budget
	Per Diem is part of Training & Development							

TOTAL: WU/IT/Capital Outlay - Rehabilitation and Replacement/Misc. Capital Purchases **\$50,588 \$216,357 \$427,500 \$65,363 \$815,000 \$147,940 \$270,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 YTD Actual	FY 2020-2021 Proposed Budget
Purchase of a Replacement Asset Management System	\$705,000 is for 5 years total costs. Evaluate/Select Software; Develop SOP's, Maintenance, implementation Services, interfaces, testing, Training			\$317,500		230,000		\$230,000
Purchase of New/Replacement Computer		\$50,588		\$110,000		0		\$0
Upgrade of Scada and Replacement of Servers	Upgrade of SCADA & Replacement of Servers - Total of 2,318,000 is for 5 year total costs; Current request is for Workstation replacements; Server upgrades; and software upgrades.					\$270,000		\$0
SharePoint Upgrades	Total of \$295,000 is for 5 year costs; refine portals; trainings; develop sharepoint vision; site plans; develop new portals; archives; possible third-party software					295,000		
CMDP Federal/State Reporting System	This holds all internal and compliance data, allows field samplers to enter field measurements, generates various reports, houses QC data and as of recently, transfers compliance data into CMDP via Web Services.							\$40,000
Audio Equipment	Replacement of Board Recording System			\$20,000		\$20,000		
Replacement of Websense Appliance				\$15,000				
Implementation of New Project Management Software	IT Strategic Plan			\$0		\$0		
Microfilm to Image Conversion								
Virtual Desktops				\$0		\$0		
Phone System	Upgrade phone system			\$0		\$0		
Computer Purchase	5 replacement computers for WRP staff			\$20,000		\$0		

TOTAL: WU/IT/Capital Outlay - Expansion/Misc. Capital Purchases **\$35,567** **\$20,000** **\$0** **\$310,000** **\$0** **\$425,000** **\$6,899** **\$425,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017-2018 Budget	FY 2017 - 2018 Actual	FY 2018-2019 Budget	FY 2018 - 2019 Actual	FY 2019-2020 Budget	FY 2019 - 2020 YTD Actual	FY 2020-2021 Proposed Budget
Develop Web based GIS viewer and mapping layers	Develop GIS Technologies and Process	\$35,567			\$190,000		315,000		315,000
Purchase of New Computers/Servers/Storage	Moved from 604-999						\$110,000		\$110,000
Customized Search Feature for SharePoint			\$20,000						\$0
800 Mhz Radios	Emergency Communication Equipment				\$120,000				\$0

Water Quality Division

Program Budget - FY 2020 – 2021

Water Quality Division:

The Water Quality Division oversees all the activities relating to meeting the requirements of the Environmental Protection Agency's Safe Drinking Water Act (SDWA). This includes both the microbial and chemical aspects of the regulation. The division also provides support to other divisions to insure the water is safe to drink. Also, the Water Quality Lab provides customer service in relation to water quality issues.

Program Description:

The Water Quality Division is responsible for all the activities that help insure that the water that The Kauai Department of Water (KDOW) provides to its customers meets all the requirements of the SDWA.

The Water Quality Lab also monitors source water quality which is also helpful to operations.

The Water Quality Lab handles water quality complaints

Special studies to support the development of projects like the surface water treatment plant are also the division's responsibility.

Program Projects:

1. Testing for the reactivation of water sources. Kapaa Homesteads #4 and possibly one more. Estimate cost at \$6,000.
2. Phase II,V Sampling for 2020-2021 period. Estimate cost at \$26,400.
4. UCMR 4 Sampling and testing for FY 2020-2021. Estimate cost at \$2,000.
5. Miscellaneous chemical testing. Estimate cost at \$2,000.
6. Disinfection Byproduct sampling is continuous.

7. Nitrate sampling is continuous.
8. Total Coliform Rule microbiological sampling is continuous.
9. Maintaining State certification to perform microbiological analysis in house is continuous.
10. Weekly monitoring of surface water zone of mixing is continuous.
11. Microbiological Monitoring of sources going on line after extended periods. As needed.
12. Sampling and analysis to determine baseline physical water quality of sources continuous.
13. Safe Drinking Water Information System (SDWIS) operational. It allows our Lab to share data and plan sampling schedules. Currently in use with excellent result.
14. Sample Reservation and Collection System (SCRS) allows the Lab to schedule sampling with the State Laboratory and follow sample processing. Currently in use with excellent result.

Program Measures	FY 2018-2019 (actual)	FY 2019-2020 (actual)	FY 2020-2021 (estimate)
Microbiological Samples	1400	1350	1350
Lead and Copper Samples	150	12	45
Water Quality Complaints	40	50	50

Phase 2-5 Testing	Sys. 400 (1x)	Sys. 400 (1x) All other sys. (1x)	All sys. except 400 (1x)
UCMR4	AM1&2 = 24 AM3 = 4	AM1&2 = 90 AM3 = 4	AM1&2 = 90 AM3 = 4
LT2 Cryptosporidium monitoring	4	0	0

General Expenses - Water Quality

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 YTD Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
Water Utility Fund								
10-10-40-540-010	WU/Qual/Purification/Professional Services - General	\$ 7,448	\$ 22,940	\$ 63,600	\$ 61,812	\$ 106,050	\$ 72,531	\$ 36,400
10-10-40-544-000	WU/Qual/Purification/Freight and Postage Services	\$ 338	\$ 1,306	\$ 3,000	\$ 1,772	\$ 3,000	\$ 607	\$ 1,500
10-10-40-561-000	WU/Qual/Purification/Repairs and Maintenance - Other than Water System	\$ 1,464	\$ 1,714	\$ 2,000	\$ 3,796	\$ 3,000	\$ 2,472	\$ 4,000
10-10-40-563-000	WU/Qual/Purification/Operating Supplies	\$ 6,868	\$ 12,779	\$ 15,000	\$ 24,910	\$ 15,000	\$ 7,680	\$ 21,000
10-10-40-570-010	WU/Qual/Purification/Books, Publications, Subscriptions, and Memberships	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10-10-40-571-010	WU/Qual/Purification/Training and Development	\$ -	\$ -	\$ 1,500	\$ -	\$ -	\$ -	\$ 4,000
	OPERATING EXPENSES	16,119	38,739	85,100	92,290	127,050	83,290	66,900
10-10-40-604-999	WU/Qual/Purification/Misc. Capital Outlay - Replacement	\$ -	\$ -	\$ 37,000	\$ -	\$ -	\$ -	\$ -
10-10-40-605-999	WU/Qual/Purification/Misc. Capital Outlay - Expansion	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	CAPITAL PURCHASES	\$ -	\$ -	\$ 37,000.00	\$ -	\$ -	\$ -	\$ -
	SUMMARY OF OPERATING EXPENSES	\$ 16,119	\$ 38,739	\$ 85,100	\$ 92,290	\$ 127,050	\$ 83,290	\$ 66,900
	SUMMARY OF CAPITAL OUTLAY	\$ -	\$ -	\$ 37,000	\$ -	\$ -	\$ -	\$ -
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$ 16,119	\$ 38,739	\$ 122,100	\$ 92,290	\$ 127,050	\$ 83,290	\$ 66,900

TOTAL: WU/Qual/Purification/Professional Services - General **\$7,448** **\$30,000** **\$22,940** **\$63,600** **\$61,812** **\$106,050** **\$72,531** **\$36,400**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Water sample testing services (Contract Lab Services)	EPA-mandated UCMR4		\$30,000		\$21,600		\$81,250		\$2,000
SDWA Testing - Phase 2/5	EPA-mandated compliance monitoring				\$28,000		\$16,800		\$26,400
Misc. SDWA Testing	EPA-mandated compliance monitoring				\$2,000		\$2,000		\$2,000
Long Term 2 ESWTR	EPA-mandated compliance monitoring				\$2,000		\$0		\$0
Repaired Well Testing	EPA and DOH mandated				\$10,000		\$6,000		\$6,000

TOTAL: WU/Qual/Purification/Freight and Postage Services \$338 \$1,500 \$1,306 \$3,000 \$1,772 \$3,000 \$607 \$1,500

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 -2020 Actual	FY 2020-2021 Budget
Shipping samples	24 shipments of \$100 each (shipping samples to contract lab)		\$1,500		\$3,000		\$3,000		\$1,500
Shipping equipment for calibration									

TOTAL: WU/Qual/Purification/Repairs and Maintenance - Other than Water System **\$1,464 \$2,000 \$1,714 \$2,000 \$3,796 \$3,000 \$2,472 \$4,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 -2020 Actual	FY 2020-2021 Budget
Autoclave maintenance and repairs	Annual inspection and contingency for possible repair		\$2,000		\$2,000		\$3,000		\$4,000

TOTAL: WU/Qual/Purification/Operating Supplies **\$6,868 \$15,000 \$12,779 \$15,000 \$24,910 \$15,000 \$7,680 \$21,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 -2020 Actual	FY 2020-2021 Budget
Lab supplies	Sample bottles, reagents, media		\$15,000		\$15,000		\$15,000		\$15,000
Water Quality Reports (CCR's)	Preparation & Mailing of Annual Water Quality Reports Notices								\$0
CMDP	Compliance Monitoring Data Portal - 2x laptops								\$6,000

TOTAL: WU/Qual/Purification/Books, Publications, Subscriptions,
and Memberships **\$0** **\$0** **\$0** **\$0** **\$0** **\$0**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 -2020 Actual	FY 2020-2021 Budget
Standard Methods Book	Need to update; the current book is out of date								

TOTAL: WU/Qual/Purification/Training and Development

\$0 \$3,500 \$0 \$1,500 \$0 \$0 \$0 \$4,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019 -2020 Actual	FY 2020-2021 Budget
Training classes	SDOH & EPA rules and regulations and lab data management (CMDP)		\$3,500		\$1,500				\$4,000

Engineering Division

Program Budget - FY 2020- 2021

Engineering Division:

The Engineering Division is responsible for the design of water projects such as reservoirs, pumping facilities and pipelines by planning, contracting for design, and conducting design review for water system improvements funded by the Department as outlined in Water Plan 2020. The Engineering Division is also responsible for the design review and approval of water facilities by private parties for dedication to the Department.

There are five permanent positions budgeted for the Engineering division for FY 2020 – 2021. As of March 2020, of the five positions, two positions are filled. The filled positions include a CE VI, and a CE V. The vacant positions include two CE V's and a CE II. It remains a challenge to fill the vacant positions.

The Special Projects and the Engineering Design & Construction divisions of the Department were reorganized in late 2012, into the Engineering Division and the Construction Management Division. The Engineering Division duties were changed to no longer oversee the construction and construction inspection of new projects.

Program Description:

The Engineering Division administers the majority of the Capital Improvement Projects (CIP) and Rehabilitation and Replacement Projects (R&R) and provides engineering services to the Operations Division during emergencies.

The Engineering Division administers engineering consultant contracts, evaluates the feasibility of pipeline alignments and sites for water facilities, and prepares plans, specifications, and bid documents for the construction of new water facilities. The Division performs all necessary construction plan review for Water Plan 2020 projects.

The Engineering Division maintains the Water System Standards, provides service to private developers who design and build water system improvements that will be dedicated to the County by performing construction plan review for water facilities that are being dedicated to the County.

Program Objectives:

2. Improve the water facilities infrastructure by providing new well sources, storage tanks and waterlines through its CIP Program as assigned.
2. Maintain and upgrade existing water facilities through the Rehabilitation and Replacement (R&R) Program as assigned.
3. Oversee the design of privately constructed water system improvements, as assigned, that are dedicated into the Department's system
4. Provide engineering services to ensure the design of the water facilities are done in accordance with the Water System Standards of the Department.

Program Highlights:

1. *During fiscal year 2019-2020, the Engineering Division initiated and continued the design of new CIP and R&R projects as part of our overall effort to address capacity deficiencies and aging infrastructure issues in our water systems.*

The following project designs have been completed:

- *Kukuiolono Tank Demolition*
- *Maalo Road Easement and Land Acquisition*

Planning and/or Design is proceeding and/or continues for the following projects:

- *Land and Well Acquisition, Moloa 'a & Waimea*
- *Paua Valley Tank- Offsite*
- *Lawai-Omao (Koloa Rd.) Waterline Replacements(on hold)*
- *Kukuiolono 0.5 MG Tank*
- *Kalaheo Water System Improvements Package A - 0.5 MG Yamada Reservoir, added design scope*
- *Kalaheo Water System Improvements Package B - 0.1 MG Clearwell Reservoir, added design scope*
- *Kalaheo Water System Improvements Package C – Water Main Installation, added design scope*
- *Kalaheo Water System Improvements Package D – Yamada Well*
- *Koloa Wells 16A & 16 B Site*
- *Kapaia Cane Haul Rd. 18" Water Line*

- *DOW Baseyard Master Plan*
- *Kūhi‘ō Highway (Hardy-Oxford) 16” Main Replacement*
- *U.H.Experimental Station 0.25 MG Tank & Connecting Pipeline*
- *Makaleha Tunnel Water Line Repairs*
- *Kapa‘a Homesteads 1.0 MG Tank (Two 0.5 MG Tanks) & Connecting Pipeline*
- *Moloa‘a 0.1 MG Tank (on hold)*
- *Kilauea 1.0 MG Tank & Connecting Pipeline*
- *Drill and Develop New Kilauea Well No. 3*
- *Drill and Test Wainiha Well #4*
- *Ha‘ena 0.2 MG Storage Tank (144’) Project*
- *Island Wide Rehabilitation of Tanks*
- *Island Wide Vulnerability and Resiliency Assessment*

In addition, consultants were selected for the following projects:

- *Manoa Stream Water Line Repairs*

PROGRAM MEASURES	FY 2018-2019 (estimate)	FY 2019-2020 (estimate)	FY 2020-2021 (estimate)
1. Number of DOW Projects (in design only)	24	23	22
Approximate Design Cost:	\$7,000,000	\$6,500,000	\$6,500,000
2. Private Developer Water Projects (design only)	63	45	45

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed Budget
OPERATING EXPENSES								
10-20-10-540-010	WU/Eng/Admin/Professional Services	\$ 111,932	\$ 288,716	\$ 425,000	\$ 296,451	\$ 405,000	\$ 445,056	\$ 485,000
10-20-10-563-000	WU/Eng/Admin/Operating Supplies	\$ 115	\$ 341	\$ 300	\$ 147	\$ 300	\$ -	\$ 300
10-20-10-570-010	WU/Eng/Admin/Books, Publications, Subscriptions, and Memberships	\$ -	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -
10-20-10-571-010	WU/Eng/Admin/Training and Development	\$ 705	\$ 705	\$ 1,130	\$ 375	\$ 1,130	\$ 375	\$ 500
10-20-10-572-010	WU/Eng/Admin/Travel and Per Diem	\$ 20	\$ 2,357	\$ 3,760	\$ -	\$ 1,880	\$ 225	\$ 1,880
10-20-10-573-010	WU/Eng/Admin/Meeting Expense	\$ 254	\$ -	\$ 1,050	\$ -	\$ 1,050	\$ -	\$ 600
	SUMMARY OF OPERATING EXPENSES	\$ 113,025.60	\$ 292,119.79	\$ 431,440.00	\$ 296,972.23	\$ 409,360.00	\$ 445,655.77	\$ 488,280.00

CAPITAL OUTLAY		FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018 - 2019 Proposed	FY 2018-2019 Actual	FY 2019 - 2020 Proposed	FY 2018-2019 Actual	FY 2019 - 2020 Proposed
Water Utility Fund								
10-20-00-604-000	WU/Eng/Admin/Misc. Capital Outlay - R&R	\$ 13,994	\$ 355,061	\$ 170,000	\$ 119,523	\$ 370,000	\$ 74,385	\$ 1,090,000
	Water Utility Fund - Capital Outlay	\$ 13,994	\$ 355,061	\$ 170,000	\$ 119,523	\$ 370,000	\$ 74,385	\$ 1,090,000
FRC Fund				\$ -	\$ -	\$ -	\$ -	\$ -
20-20-00-605-000	FRC/Eng/Admin/Misc. Capital Outlay - Expansion	\$ 33,657	\$ 190,102	\$ -	\$ 85,510	\$ 680,000	\$ -	\$ 450,000
	FRC Fund - Capital Outlay	\$ 33,657	\$ 190,102	\$ -	\$ 85,510	\$ 680,000	\$ -	\$ 450,000
BAB Fund								
30-20-00-605-000	BAB/Eng/Admin/Capital Outlay - Expansion/Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	BAB Fund - Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Water Utility Fund	\$ 13,994	\$ 355,061	\$ 170,000	\$ 119,523	\$ 370,000	\$ 74,385	\$ 1,090,000
20-20-00-605-000	FRC Fund	\$ 33,657	\$ 190,102	\$ -	\$ 85,510	\$ 680,000	\$ -	\$ 450,000
30-20-00-605-000	BAB Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUMMARY OF CAPITAL OUTLAY	\$ 47,650.98	\$ 545,162.54	\$ 170,000.00	\$ 205,032.89	\$ 1,050,000.00	\$ 74,385.36	\$ 1,540,000.00

TOTAL: WU/Eng/Admin/Professional Services

\$111,932 \$288,716 \$425,000 \$296,451 \$405,000 \$445,056 \$485,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Title searches	title searches, as needed			\$25,000		\$25,000	\$0	\$25,000
Kukuioolono Tank Site exchange	Site assessment for hazardous materials, demolition of tank; this is a precondition of the land swap needed for ongoing capital project to design a new tank; Title Insurance, Escrow & Appraisals			\$100,000		\$50,000		\$50,000
PER, EA	Develop Kapaa Well No. 4 site improvements (production well)					\$100,000	**	\$100,000
Engineering Services						\$50,000	\$0	
Preliminary Engineering Report, EA	18-8 Limahuli Stream and Mānoa Stream Water Line Repairs					\$130,000	\$0	
Design services for emergency generators housing structures at remote sites	Engineering design for structures at remote sites to protect portable emergency generators; emergency generator evaluation for SWTP -P.E.R. only Phase I (budget was moved from Operations)			\$300,000				
Preliminary Engineering Report, EA	Drill and Develop Kilauea Well #3							
Preliminary Engineering Report	Baseyard MP Ph 1							\$160,000
Preliminary Engineering Report, EA	Kuhio Highway (Hardy to Oxford) Main Replacement							
PER, Testing Report	Wailua Homesteads Well GAC							\$100,000
Preliminary Engineering Report, EA	hanapepe stream crossing							
PER, Soil investigation, EA	UH Experiment Station Tank					\$50,000	^^	\$50,000
PER, site location, hydraulic analysis, feasibility, EA	Poipu Tank 1.0 MG tank							
PER; site location, hydraulic analysis, feasibility, EA	Wailua Homesteads 538 1.0 MG Tank							
Preliminary Engineering Report	Island wide study for suitable well sites							
Preliminary Engineering Report, EA	PLH-36 SWTP expansion							
Preliminary Engineering Report, EA	Makanui and Kuai Road Main Replacement							
Preliminary Engineering Report, EA	Hoona, Hoone, Pane Road Main Replacement							
Preliminary Engineering Report	KP-14a Koloa 6" and 12" main replacement and additional area							
PER/Feasibility	Paua Valley tank repair							
Preliminary Feasibility Report, EA	Kuhio Hwy (N. Papaloa to Waikaea Canal) Main Replacement							
Surveying	As-needed surveying services							
Preliminary Engineering report	Kilauea Wells MCC							
STOP -- Correct Sum at top if there are more than 40 line items								

TOTAL: WU/Eng/Admin/Operating Supplies

\$115

\$341

\$300

\$147

\$300

\$0

\$300

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
misc supplies (eng & safety)		\$115		\$300		\$300	\$170	\$300
misc supplies								

STOP -- Correct Sum at top if there are more than 40 line items

TOTAL: WU/Eng/Admin/Books, Publications, Subscriptions, and Memberships

\$0

\$200

\$0

\$0

\$0

\$0

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
books/publications	General amount if a need is determined during the fiscal year.	\$0		\$200		\$0		\$0

STOP -- Correct Sum at top if there are more than 40 line items

TOTAL: WU/Eng/Admin/Training and Development

\$705

\$705

\$1,130

\$375

\$1,130

\$375

\$500

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Misc training costs	various training opportunities come up during the year that have costs associated with them.	\$705		\$1,130		\$1,130		\$500

STOP -- Correct Sum at top if there are more than 40 line items

TOTAL: WU/Eng/Admin/Travel and Per Diem **\$20** **\$2,357** **\$3,760** **\$0** **\$1,880** **\$225** **\$1,880**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Conference Travel and Per Diem (Non AWWA/HWWA)	as needed; previously budgeted by Admin	\$20		\$3,760		\$1,880		\$1,880

STOP -- Correct Sum at top if there are more than 40 line items

General Expenses - Engineering

TOTAL: WU/Eng/Admin/Meeting Expense

\$254

\$0

\$1,050

\$0

\$1,050

\$0

\$600

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Meeting supplies	interisland travel	\$254		\$1,050		\$1,050	\$0	\$600

STOP -- Correct Sum at top if there are more than 40 line items

TOTAL: WU/Eng/AdminCapital Outlay - Rehabilitation and Replacement/Capital Purchases **\$13,994** **\$355,061** **\$170,000** **\$119,523** **\$370,000** **\$74,385** **\$1,090,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
10-20-00-604-000	Permit Fees			\$ 20,000	\$ 3,138	\$ 20,000	\$ 123	\$ 10,000
10-20-00-604-001	KW-07 Paua Valley Tank Repair	\$ -	\$ 51,764		\$ 16,539		\$ -	
10-20-00-604-006	PLH-28 Hanamaulu Main Replacement (Hoohana Street)		\$ -	\$ -	\$ -		\$ -	
10-20-00-604-007	WK-11a Upper Wailua Houselots Main Replacement		\$ -	\$ -	\$ -		\$ -	
10-20-00-604-009	Hanapepe Stream Crossing		\$ -	\$ -	\$ -		\$ -	
10-20-00-604-013	PLH-32 Rice Street/Kapule Intersection Improvements		\$ -	\$ -	\$ -		\$ -	
10-20-00-604-120	Kilauea 1.0 MG tank (RR 10%)	\$ 3,740	\$ 2,671	\$ -	\$ -		\$ -	
10-20-00-604-146	Hanapepe-Eleele Connecting Pipeline HE-1 and HE-10 (RR 12%)	\$ 10,254	\$ 71,960	\$ -	\$ 12,999		\$ 37,126	
10-20-00-604-147	Rehabilitate Puupilo Steel tank		\$ -	\$ -	\$ -		\$ -	
10-20-00-604-148	Kuhio Hwy (Hardy-Oxford) 16" Main replacement (R&R 56% of \$180K)		\$ -	\$ -	\$ 1,283		\$ 37,136	
10-20-00-604-149	Kuhio Hwy (N. Papaloa to Waikaea Canal) Main Replacement (RR 56%)		\$ -		\$ -		\$ -	
10-20-00-604-150	Makanui and Kuai Road Main Replacement (RR 37%)		\$ -		\$ -		\$ -	
10-20-00-604-151	KP-14a Koloa 6" and 12" Main Replacement plus additional area (Wailani and Waihohonou Roads part of KP-14) (RR 50%)		\$ -		\$ -		\$ -	
10-20-00-604-152	Hoona, Hoone, Pane Road main replacement (RR 37%)		\$ -		\$ -		\$ -	
10-20-00-604-157	Kilauea Wells MCC rehab	\$0	\$228,666		\$85,564			
10-20-00-604-163	18-8 Limahuli Stream and Mānoa Stream Water Line Repairs					\$350,000	\$0	
10-20-00-604-162	WU-Eng-17-13 & 14, Engineering Services for Island Wide Vulnerability and Resiliency Assessment			\$150,000				
10-20-00-604-169	Baseyard MP Ph 1 (subject to state funding of \$160K)							\$1,080,000

TOTAL: FRC/Eng/Admin/Capital Outlay - Expansion/Capital Purchases		\$33,657	\$190,102	\$0	\$85,510	\$680,000	\$0	\$450,000
Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
20-20-00-605-153	Haena 0.2 MG tank		\$ 187,342		\$ 85,510	\$ 30,000	\$ -	\$ -
20-20-00-605-118	Develop Kapaa Well No. 4 site improvements (production well)					\$ 450,000		\$ 450,000
20-20-00-605-117	UH Experiment Station Tank - land acquisition					\$ -		*
20-20-00-605-168	Kalaheo System Improvements - recertify plans/permits					\$ 40,000	\$ -	\$ -
20-20-00-605-006	PLH-28 Hanamaulu main replacement							
20-20-00-605-010	Wailua Homesteads 538 1.0 MG Storage Tank							
20-20-00-605-014	Purchase Water System 1							
20-20-00-605-016	land acquisition for Poipu tank							
20-20-00-605-018	Hanalei Well no, 2	\$ -						
20-20-00-605-019	Kapaia SWTP expansion							
20-20-00-605-120	Kilauea 1.0 MG tank (EXP 90%)	\$ 33,657						
20-20-00-605-148	Kuhio Hwy (Hardy-Oxford) 16" Main replacement (EXP 44% of \$180K)							
20-20-00-605-149	Kuhio Hwy (N. Papaloa to Waikaea Canal) Main Replacement (EXP 44%)							
20-20-00-605-150	Makanui and Kuai Road Main Replacement (EXP 63%)							
20-20-00-605-151	KP-14a Koloa 6" and 12" Main Replacement plus additional area (Wailani and Waihohonou Roads part of KP-14) (EXP 50%)							
20-20-00-605-152	Hoona, Hoone, Pane Road main replacement (EXP 63%)							
20-20-00-605-154	Drill and Test Kilauea Well #3 (EXP)	\$ -	\$ 2,760					
20-20-00-605-155	Wainiha Well #4 (EXP)					\$ 160,000		\$ -
20-20-00-605-156	land acquisition for Kilauea Well #3	\$ -						
20-20-00-605-156	land acquisition for jelly factory booster pump							
20-20-00-605-156	Poipu 1 MG Storage Tank							
20-20-00-605-156	land acquisition for Haena 0.2 MG tank							
20-20-00-605-156	land acquisition for SWTP expansion							

Construction Management Division

Program Budget - FY 2020-2021

Construction Management Division:

The former Engineering Division which was comprised of the Special Projects Division and the Design and Construction Division was reorganized into the Construction Management and Engineering Division in August 2012. The Construction Management Division which is the former Special Project Division was responsible for the design, construction and inspection of water projects such as reservoirs, pumping facilities and pipelines by planning, contracting for design and conducting design review, preparing construction bid documents and subsequent construction management, and inspecting water system improvements funded by the Department as outlined in Water Plan 2020. The Design and Construction Division was responsible for the design review and construction inspection of water facilities by private parties for dedication to the Department. The former Engineering division was also responsible for the administration of the Department's laboratory and performing the water quality monitoring for our water systems.

The current Construction Management Division oversees the construction management and inspection of water projects such as reservoirs, pumping and treatment facilities, and pipelines by reviewing WP 2020 designs, preparing construction RFP & IFB documents, subsequent construction management, and inspecting water system improvements funded by the Department and those funded by private parties for dedication to the Department.

The Division had been extremely short staffed for the past five fiscal years but we made strides during FY 2018-2019 in hiring staff. There were eight (8) permanent positions for the Construction Management Division for FY 2019 – 2020. Of the eight positions, four positions are within the Civil Engineering Series and three positions are within the Inspector Series along with an Engineering Program Assistant. All inspectors progressed during the year to the next level via reallocations.. Two new hires were made in the Civil Engineering Series at the CE I and III levels. The CE I has progressed to the CE II level. There is (1) one vacancy remaining [Civil Engineer V (SR-26)] which has been extremely difficult to fill. We are recruiting for the position continuously. We are optimistic that the current positions once filled will balance project management needs for engineering and inspectional tasks in FY 2019-2020 and beyond.

The DOW Construction Management division has had an extremely difficult time attracting and retaining qualified staff and continues to implement a plan to deal with the problem. During FY 2019-2020 the DOW relied heavily on As Needed Construction Management consultant contracts to meet the desired construction schedules for several Water Plan 2020 projects. Based on the relatively high costs of these services, the division hopes to reduce costs to our ratepayers by creating hiring the staff positions mentioned above to save on overall costs and operate more efficiently as the in-house staff, once hired, can manage multiple projects at any given time. This will provide better service to construction contractors, developers, design consultants and customers while reducing the overall costs to the ratepayers.

The FY 2020-2021 CM budget proposal reflect the efforts of the Chief of Construction Management to lead a successful division. Due to the short staffing, the CM division will continue to utilize the procured two (2) separate As Needed Construction Management contracts to help in the short term and procure a new As-Need Construction Management contract until all remaining positions are filled. We have utilized one for the Hanapēpē Waterline project which is very costly. We will also utilize one for the Kīlauea MCC project. Having the proper balance of DOW priority projects and private projects is vital to construction management with in-house staff. If DOW can be realistic with projects wanted, that will lead to more realistic project management. It will be vital that the Department have support in this process to retain, attract and recruit staff in a timely manner.

Program Description:

The Construction Management Division administers all of the construction for Capital Improvement Projects (CIP) and Capital Rehabilitation and Replacement Projects (CRP/CRPL) and provides engineering and inspectional services to the Operations Division during emergencies.

The Construction Management Division administers construction contracts; evaluates the constructability of pipeline alignments and sites for water facilities; prepares plans and specifications and bid/RFP documents for new water facilities and implements and inspects Department's standards and policies. The Division performs all necessary construction plan review and construction inspection for Water Plan 2020 projects.

The Construction Management Division provides construction management to private developers who design and build water system improvements that will be dedicated to the County by performing construction inspection and reviewing and approving post-construction documents for water facilities that are being dedicated to the County.

Program Objectives: Perform construction management duties for Department funded, government funded, and privately funded waterworks projects

1. Improve the water facilities infrastructure by constructing new well sources, storage tanks and waterlines through its Water Plan 2020 CIP Program as assigned.
2. Maintain and upgrade existing water facilities through the Water Plan 2020 CRP/CRPL Program as assigned.
3. Coordinate construction and integration of privately constructed water system improvements, as assigned, that are dedicated into the Department's system.
4. Provide construction management and inspectional services to ensure the assigned construction of water facilities adhere to plans and specifications and the standards and policies of the Department.
5. Provide engineering design review for all Water Plan 2020 Projects. Provide guidance to the Engineering Division to evaluate the feasibility of all water infrastructure improvements and sites for water facilities. Perform waterworks construction plan review in regards to constructability.
6. Provide Request for Information (RFI) responses on all Water Plan 2020 and Private Construction projects which include engineering redesigns. This was primarily done by the engineering division the past several years but was taken on by CM Division during FY 2017-2018 to provide better service to contractors to efficiently meet construction schedules in a timely manner. The response from contractors since have been positive but it has taken up more time of CM staff to provide field design changes.
7. Served as system administrator for the electronic project management platform (PMWEB) which includes preparing and managing waterworks construction contracts in a professional manner and within project budget requirements. Manage and organize all closing documents for waterworks construction projects.
8. Coordinate and administer special projects or maintenance projects which require construction management and procurement support for the Department.
9. Coordinate and implement some of the Department's State and Federal programs.

Program Highlights:

1. The Construction Management Division continued worked with the Deputy County Attorney (Water) to do the revisions to the General Provisions for Construction Contracts with the Department of Water.
2. During fiscal year 2019-2020, the Construction Management Division continued the design review and construction of several major capital improvements and rehabilitation projects as part of our overall effort to address capacity deficiencies and aging infrastructure issues in our water systems.

The Department funded construction of open contracts managed by the Construction Management Division totaled approximately \$20 million in FY 19-20.

The Construction Management Division completed construction on the Koloa Well 16 A & B site and building improvements and the Hanapepe-Ellele Booster Pump Replacement projects. The Department continued construction on the Hanapēpē Waterline Reorganization and Kapa‘a Well 4 Drill & Test with drainage package projects. The Department started construction on the Paua Valley Tank repairs and advertised the Kīlauea MCC repairs for construction. Further, based on current CM Division design reviews, it is anticipated that several water plan 2020 projects such as Kalāheo Packages A, B, & C; Kapahi Tanks, and Kīlauea Tank will be ready for construction in upcoming years with encumbrances happening in FY 20-21 as doable by CM staff for Kalāheo Packages.

3. The Construction Management Division managed and inspected construction of various private developer water projects. There were several major subdivision projects along with lateral projects. The private sector development has continued since last fiscal year with the completion of projects in Koae Affordable Housing, Kōloa Village, Puuopae Bridge, Kōloa Rum, and North Shore flood emergency projects along with the typical water and fire laterals. Projects that remain active are Hanapēpē Bridge improvements, Opaekaa Bridge improvements, Huakai Afforddaable Housing, Makai Estates, Hoihui Sudivision, Rice Street Improvements, Kulana offsite, onsite and tank projects along with various private laterals and waterline work. Private projects are in design and are expected to remain steady during the next fiscal year around the island.
4. The Construction Management Division completed emergency work related to the 2018 April floods at Kahiliholo Road, Weke Road, Waikoko, Waipa and Waioli. The projects created a high demand of CM staff to help the county and state meet their schedules.
5. In addition to various County wide trainings, the Construction Management Division staff completed various trainings throughout the fiscal year to stay updated, evolve and progress with the ever changing requirements related to water utility

construction such as:

- Trench Excavation Safety workshop –Competent person training
- Generators
- Basic electrical
- Kaua'i Joint Water' Conference
- Best value procurement
- Jobsite Overhead Delay Costs
- Procurement Training
- First Aid, CPR and AED Training

6. After a successful pilot implementation of the electronic inspection journal process, the Construction Management Division fully integrated electronic journaling to all projects currently managed. All Water Plan 2020 and private construction projects are now documented electronically and available via the SharePoint CM Portal created by DOW IT Division. The Construction Management Division continues to evolve with the paperless process and has completed the transition to a more comprehensive construction management software in FY 19-20 to include contract management, funding, procurement, and other aspects of project management (Construction Management) with the IT strategic plan that is based on this initial electronic implementation. The DOW IT Division worked with the CM Division to select a software provider in PMWEB with implementation in FY 17-18. A pilot implementation of PMWEB started in February 2018. The full implementation began on July 1, 2018. It is anticipated that revisions will be made based on user feedback in 2019. To date, the majority of users have been satisfied and impressed with the DOW's electronic platform. We are currently the only know government agency in Hawai'i utilizing a platform as such to manage construction projects.
7. The CM Division was a strong voice in pushing for a revised list of DOW priority projects for Water Plan 2020 after having no priority list and only a time of completion, chronology based list for the past several years. With the help of the Board in 2017, a priority list was achieved by DOW staff and has been used for the current DOW water rate study and FY 18-19 budgets to focus staff priorities. This has served as a monumental shift in project management. The new priority list has provided a better vision to the DOW over the next few years as it relates to capital spending priority. The Construction Management team recommends the Department base project budgets based on priority needs and fiscal ability. That will likely lead itself to management of project with in-house staff if the project load is realistic and will likely also reduce need to raise rates.

General Expenses - Construction Management

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Proposed Budget
Water Utility Fund - Operating Expenses								
10-21-10-540-010	WU/Const/Admin/Professional Services - General	\$ -	\$ 17,505	\$ 500,000	\$ 625,038	\$ 700,000	\$ 388,283	\$ 50,000
10-21-10-563-000	WU/Const/Admin/Operating Supplies	\$ 3,230	\$ 1,671	\$ 4,500	\$ 5,243	\$ 4,500	\$ 1,618	\$ 4,500
10-21-10-570-010	WU/Const/Admin/Books, Publications, Subscriptions, and Memberships	\$ 1,543	\$ 769	\$ 1,550	\$ 1,052	\$ 1,550	\$ 775	\$ 1,550
10-21-10-571-010	WU/Const/Admin/Training and Development	\$ 5,341	\$ 255	\$ 6,250	\$ 1,285	\$ 6,250	\$ 1,639	\$ 6,250
10-21-10-572-010	WU/Const/Admin/Travel and Per Diem	\$ 213	\$ -	\$ 5,000	\$ -	\$ 5,000	\$ 2,195	\$ 7,000
10-21-10-573-010	WU/Const/Admin/Meeting Expense	\$ -	\$ -	\$ 3,250	\$ -	\$ 3,250	\$ 2,200	\$ 7,500
	SUMMARY OF OPERATING EXPENSES	\$ 10,327.29	\$ 20,200.36	\$ 520,550.00	\$ 632,618.40	\$ 720,550.00	\$ 396,709.39	\$ 76,800.00
CAPITAL OUTLAY		FY 2016-2017 YTD Actual	FY 2017-2018 YTD Actual	FY 2018 - 2019 Proposed	FY 2018-2019 YTD Actual	FY 2019 - 2020 Proposed	FY 2018-2019 YTD Actual	FY 2019 - 2020 Proposed
10-21-00-604-999	WU/Const/Admin/Capital Outlay - R & R/Misc. Capital Purchases	\$ 1,669	\$ 39,491	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000
10-21-00-605-999	WU/Const/Admin/Capital Outlay - Expansion/Misc. Capital Purchases	\$ 1,021	\$ -	\$ 10,000	\$ -	\$ 100,000	\$ -	\$ 10,000
	Water Utility Fund - Capital Outlay (Capital Purchases)	\$2,690	\$39,491	\$20,000	\$0	\$110,000	\$0	\$20,000
10-21-00-604-000	WU/Capital Outlay - R&R/Capital Projects - CM	\$ 315,299	\$ 5,650	\$ 5,155,000	\$ 3,564,521	\$ 5,255,000	\$ 895,234	\$ 17,705,000
10-21-00-605-000	WU/Capital Outlay - Expansion/Capital Projects - CM	\$ -	\$ -	\$ -	\$ 2,302,856	\$ -	\$ 1,394,452	\$ -
	Water Utility Fund - Capital Outlay (Capital Projects)	\$315,299	\$5,650	\$5,155,000	\$5,867,377	\$5,255,000	\$2,289,686	\$17,705,000
20-21-00-605-000	FRC/Capital Outlay - Expansion/Capital Projects - CM	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ -	\$ 225,000
	FRC Fund - Capital Outlay	\$0	\$0	\$0	\$0	\$225,000	\$0	\$225,000
30-21-00-604-000	BAB/Capital Outlay - R&R/Capital Projects - CM	\$ 866,193	\$ 877,902	\$ -	\$ 1,623,383	\$ -	\$ 44,514	\$ -
30-21-00-605-000	BAB/Capital Outlay - Expansion/Capital Projects - CM	\$ -	\$ -	\$ -	\$ 676,543	\$ -	\$ 579,718	\$ 6,000,000
	BAB Fund - Capital Outlay	\$866,193	\$877,902	\$0	\$2,299,926	\$0	\$624,232	\$6,000,000
60-21-00-604-000	SRF/Capital Outlay - R&R/Capital Projects - CM			\$ -		\$ -		\$ -
	SRF Fund - Capital Outlay	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Water Utility Fund - Capital Outlay/Miscellaneous Capital Purchases	\$ 2,690	\$ 39,491	\$ 20,000	\$ -	\$ 110,000	\$ -	\$ 20,000
	Water Utility Fund - Capital Outlay/Capital Projects	\$ 315,299	\$ 5,650	\$ 5,155,000	\$ 5,867,377	\$ 5,255,000	\$ 2,289,686	\$ 17,705,000
	FRC Fund/Capital Outlay/Capital Projects	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ -	\$ 225,000
	BAB Fund/Capital Outlay/Capital Projects	\$ 866,193	\$ 877,902	\$ -	\$ 2,299,926	\$ -	\$ 624,232	\$ 6,000,000
	SRF Fund/Capital Outlay/Capital Projects	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUMMARY OF CAPITAL OUTLAY	\$ 1,184,182.12	\$ 923,043.17	\$ 5,175,000.00	\$ 8,167,302.94	\$ 5,590,000.00	\$ 2,913,917.94	\$ 23,950,000.00
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$ 1,194,509.41	\$ 943,243.53	\$ 5,695,550.00	\$ 8,799,921.34	\$ 6,310,550.00	\$ 3,310,627.33	\$ 24,026,800.00

TOTAL: WU/Const/Admin/Professional Services -
General

\$0 \$17,505 \$500,000 \$625,038 \$700,000 \$388,283 \$50,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Construction Management	2 Years on Contract expired, need to re-procure. This is an AS-NEEDED contract we utilize should inspection help be needed. In the past we've used it for required night work over an extended period of time to avoid losing staff to one project but there may be other areas where the contract could be utilized.	\$0		\$500,000	\$316,522	\$700,000	\$388,282.95	\$0
Specialty inspection	As needed structural engineering inspection - For projects requiring licensed structural engineer inspection that the DOW design contract or private projects don't have			\$0	\$0		\$0	\$50,000

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Operating Supplies

\$3,230

\$1,671

\$4,500

\$5,243

\$4,500

\$1,618

\$4,500

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Safety Equipment	Annual replacement of steel toe boots, hard hats, safety vests, ear protection, office workstation ergonomics, etc.							
Field Equipment	As Needed Field Equipment (e.g. misc tools, field tablet, etc.)	\$3,230						
Equipment & Supplies	Annual replacement of steel toe boots, hard hats, safety vests, ear protection, office workstation ergonomics, etc. As Needed Field Equipment (e.g. misc tools, field tablet, etc.) an supplies		\$1,671	\$4,500	\$3,473	\$4,500	\$1,617.61	\$4,500

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Books, Publications, Subscriptions, and Memberships **\$1,543** **\$769** **\$1,550** **\$1,052** **\$1,550** **\$775** **\$1,550**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Reference Materials	Annually purchase reference materials as needed such as ACI manuals, Project Management manuals/literature, etc.	\$843		\$700	\$104	\$700	\$0	\$700
Contractors Association of Kauai (DOW - Dustin is representative)	We have been a member since 2012. This is an annual fee.	\$700	\$769	\$850	\$747	\$850	\$775.00	\$850
American Waterworks Association (Dustin)	AWWA membership.	\$0		\$0		\$0		

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Training and Development

\$5,341

\$255

\$6,250

\$1,285

\$6,250

\$1,639

\$6,250

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
CAK Workshops for CM Staff	CM staff annually attend on-island training such as NPDES BMP, CISEC, and Trench Excavation workshops through Contractors Association of Kauai.	\$5,341	\$255	\$4,950	\$475	\$4,950	\$1,639.00	\$4,950
Misc. Workshops for CM Staff	Annually attend on-island workshops through various agencies as they come up throughout year. T	\$0	\$0	\$1,300		\$1,300	\$0	\$1,300
Abatement training	Asbestos pipe and lead abatement		\$0	\$0				

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Travel and Per Diem

\$213

\$0

\$5,000

\$0

\$5,000

\$2,195

\$7,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Conference Travel and Per Diem (Non AWWA/HWWA)	Would like to send CM Staff to water related construction project management/inspection trainings off-island should beneficial conferences be available.	\$213	\$0	\$5,000	\$0	\$5,000	\$2,194.83	\$7,000

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Meeting Expense

\$0

\$0

\$3,250

\$0

\$3,250

\$2,200

\$7,500

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Conference fees and registrations (non AWWA/HWWA)	Would like to send CM Staff to water related construction project management/inspection trainings off-island should beneficial conferences or webinars be available.	\$0	\$0	\$3,250	\$0	\$3,250	\$2,200.00	\$7,500

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Capital Outlay - R & R/Misc. Capital Purchases **\$1,669** **\$39,491** **\$10,000** **\$0** **\$10,000** **\$0** **\$10,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Miscellaneous	Initial building permit fees and other related project start-up fees	\$1,669	\$0	\$10,000	\$100	\$10,000	\$0	\$10,000
CK 1759 Replacement	Replace CK 1759 2002 Ford Escape		\$39,491	\$0		\$0		

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Const/Admin/Capital Outlay - Expansion/Misc. Capital Purchases **\$1,021** **\$0** **\$10,000** **\$0** **\$100,000** **\$0** **\$10,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
Miscellaneous	Initial building permit fees, other related project start-up fees	\$1,021	\$0	\$10,000	\$0	\$10,000	\$0	\$10,000
Truck (2)	New Vehicles for new Inspectors (2 vehicles @ 45K each)					\$90,000	\$0	\$0

STOP -- Correct Sum at top if there are more than 400 line items

TOTAL: WU/Capital Outlay - R&R/Capital Projects - CM **\$315,299** **\$5,650** **\$5,155,000** **\$3,564,521** **\$5,255,000** **\$895,234** **\$17,705,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
10-21-00-604-017	WU/Cns/-18In Cane Haul Main (1.45% RR)	\$0						
10-21-00-604-029	WU/Const/Capital Outlay/09-01, Kalaheo 1111' & 1222' Water System Improvements (Package A: 0% Yamada Tank, Package B: 34% Clearwell, Package C: 94 %Pipeline) (Total \$19.2M) Cumulative 52% R&R/48% Expansion - \$ 9,984,000	\$0				\$0		\$13,200,000
10-21-00-604-033	WU/Const/Capital Outlay/13-07, Koloa Well D Repairs (100% RR)	\$315,299	\$5,650					
10-21-00-604-035	WU/Const/Capital Outlay/XX-YY, HE-14, Eleele Booster Rehab (100% RR)	\$0			\$1,073,665		\$34,492	
10-21-00-604-102	WU/Const/Capital Outlay/10-01 Ani-01b anini Rd. WL DOW -Princevl	\$0						
10-21-00-604-132	WU/Const/Capital Outlay/13-05, Kolo Road Main Replacement (Kilauea School)	\$0						
10-21-00-604-146	WU/Const/Capital Outlay/15-07/HE-10, Reorganize Water System Pipeline connecting Hanapepe and Eleele (6" Main Replacement) Phase I (County R/W)(78%RR)(\$2.12M)	\$0			\$2,490,856		\$860,742	
10-21-00-604-001	Paua Valley Tank Repair			\$1,400,000	\$0	\$1,400,000	\$0	\$0
10-21-00-604-157	Kilauea 1&2 MCC (engineer's estimate - \$2.576M)			\$3,755,000	\$0	\$3,755,000	\$0	\$3,755,000
10-21-00-604-167	Kukuiofono Tank Demo					\$100,000	\$0	\$750,000
10-21-00-604-XXX	02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (R&R - 10%) (Total= \$5M)					\$0		

STOP -- Correct Sum at top if there are more than 400 line items

as of 1/10/20

TOTAL: WU/Capital Outlay - Expansion/Capital Projects - CM \$0 \$0 \$0 \$2,302,856 \$0 \$1,394,452 \$0

Table with 9 columns: Line Item, Notes, FY 2016 - 2017 Actual, FY 2017 - 2018 Actual, FY 2018 - 2019 Proposed, FY 2018 - 2019 Actual, FY 2019 - 2020 Budget, FY 2019 - 2020 Actual, FY 2020 - 2021 Budget. Rows include details for projects like WU/Const/Capital Outlay/WK-39-Kapaa Homestead Well No. 4 and Kapaia Cane Haul Road.

STOP -- Correct Sum at top if there are more than 400 line items

as of 1/10/20

TOTAL: FRC/Capital Outlay - Expansion/Capital Projects - CM **\$0** **\$0** **\$0** **\$225,000** **\$0** **\$225,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
20-21-00-605-017	FRC/ConstCapital Outlay/18In Cane Haul Main (98.55% Expansion)	\$0						
20-21-00-605-029	FRC/Const/Capital Outlay/09-01, Kalaheo 1111' & 1222' Water System Improvements (Package A: 100% Yamada Tank, Package B: 66% Clearwell, Package C:6% Pipeline) (Total \$19.2M) Cumulative 52% R&R/48% Expansion	\$0				\$ -		
20-21-00-605-102	FRC/Const/Capital Outlay/10-01 Ani-01b anini Rd. WL DOW -Princevl	\$0						
20-21-00-605-116	FRC/Const/Capital Outlay/WK-08-Kapaa Homestead 313' 1.0 MG Tank (Ornellas) (100% FRC)	\$0				\$ -		\$ -
20-21-00-605-161	<i>Hanapēpē River Bridge, Kaumuali'i Highway, Route 50, HI STP SR50 (1) Project</i> , Hanapēpē, Kaua'i, Hawai'i					\$225,000	\$0	\$225,000
	02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (Expansion - 90%)					\$0		\$0

STOP -- Correct Sum at top if there are more than 400 line items

as of 1/10/20

TOTAL: BAB/Capital Outlay - R&R/Capital Projects - CM **\$866,193** **\$877,902** **\$0** **\$1,623,383** **\$0** **\$44,514** **\$0**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
30-21-00-604-101	Bond/Const/Capital Outlay/10-01, Ani-01a- Anini and Kalihiwai Road 6 Inch Main (9,156 Ft)	\$ -						
30-21-00-604-102	Bond/Const/Capital Outlay/10-01, Ani-01b- Pipeline Replacement along Anini Road from DOW - Princeville Master Meter (44% RR of \$4.2M)	\$ -						
30-21-00-604-107	Bond/Const/Capital Outlay/XX-YY, KP-09 - MCC, Chlorination Facilities, Koloa Well 16-A and E and 16-B Site and Bldg Improvements (100% RR)	\$ -	\$ 877,902		\$ 1,623,383		\$ 44,514	
30-21-00-604-109	Bond/Const/Capital Outlay/XX-YY, LO-08, LO-10 - Koloa Rd (Alaloke Pl. - Piko Rd) 8 Inch Main Replacement (1,700 Ft) Lawai 6 Inch and 8 Inch Main Replacement (6,400 Ft) (R&R - 19%)	\$ -						
30-21-00-604-112	Bond/Const/Capital Outlay/11-02, PLH-01a - Replace Grove Farm Tanks 1 and 2 (R&R - 40% of \$2.835M)	\$ -						
30-21-00-604-114	Bond/Const/Capital Outlay/XX-YY, PLH-39a - Lihue Baseyard Improvements for Department of Water	\$ 605,698						
30-21-00-604-120	Bond/Const/Capital Outlay/02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (R&R - 10%)	\$ -						
30-21-00-604-129	Bond/Const/Capital Outlay/11-10, 8"WL along Halewili Rd (Kaunualii Hwy to Haka Hale St) (R&R - 100%)	\$ 260,495						
30-21-00-604-136	Bond/Const/Capital Outlay/XX-YY, H-05, Weke, Anae, and He'e Roads 6" and 8" Main Replacement (R&R - 11%)	\$ -						
30-21-00-604-017	Kapaia Cane Haul Road 18" Main (1.45% RR) \$3,241,350	\$ -			\$ -		\$ -	

TOTAL: BAB/Capital Outlay - Expansion/Capital Projects - CM

\$0

\$0

\$0

\$676,543

\$0

\$579,718

\$6,000,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Budget	FY 2019 - 2020 Actual	FY 2020 - 2021 Budget
30-21-00-605-102	Bond/Const/Capital Outlay/10-01, Ani-01b- Pipeline Replacement along Anini Road from DOW - Princeville Master Meter (Expansion - 56% of \$4.2M)	\$ -						
30-21-00-605-106	Bond/Const/Capital Outlay/03-04, K-05a - Kalaheo New Tank, 0.5 MG, 886 Ft (Expansion - 50%)	\$ -						
30-21-00-605-109	Bond/Const/Capital Outlay/XX-YY, LO-08, LO-10 - Koloa Rd (Alalohe Pl. - Piko Rd) 8 Inch Main Replacement (1,700 Ft) Lawai 6 Inch and 8 Inch Main Replacement (6,400 Ft) (Expansion - 81%)	\$ -						
30-21-00-605-110	Bond/Const/Capital Outlay/WK-08-Kapaa Homestead 313' 1.0 MG Tank (Ornellas) (100% Expansion)	\$ -						
30-21-00-605-112	Bond/Const/Capital Outlay/11-02, PLH-01a - Replace Grove Farm Tanks 1 and 2 (Expansion - 60%) of \$2.835M	\$ -						
30-21-00-605-118	Bond/Const/Capital Outlay/WK-39-Kapaa Homestead Well No. 4 (100% Expansion)	\$ -			\$ 676,543		\$ 579,718	
30-21-00-605-120	Bond/Const/Capital Outlay/02-06, WKK-15 - Construct Kilauea 466 Tank, 1.0MG, Puu Pane Well 3 (Expansion - 90%)	\$ -						
30-21-00-605-136	Bond/Const/Capital Outlay/XX-YY, H-05, Weke, Anae, and He'e Roads 6" and 8" Main Replacement (Expansion - 89%)	\$ -						
30-21-00-605-029	Bond/Const/Capital Outlay/09-01, Kalaheo 1111' & 1222' Water System Improvements (Package A: 100% Yamada Tank, Package B: 66% Clearwell, Package C:6% Pipeline) (Total \$19.2M) Cumulative 52% R&R/48% Expansion					\$ -		\$6,000,000
30-21-00-605-017	Kapaia Cane Haul Road 18" Main (98.55% Exp) \$3,241,350, moved 10 W/U)							\$ -

WATER RESOURCES AND PLANNING DIVISION

Program Budget – FY 2020-2021

Program Description

The Water Resources and Planning Division is responsible for the planning and outreach needed to provide current and future customers with high quality service in alignment with the Department's Mission. The program conducts long-range planning, research and analytical studies of water usage to monitor and forecast anticipated water system needs for the island of Kauai. The program conducts condition assessment, investigation, analysis and review of the Department's water systems infrastructure and provides guidance to proposed development's water system planning (subdivisions, zoning and land use amendments, resorts and hotels, etc.) to ensure compliance with the Department's Rules and Regulations and Water System Standards. In Addition, the program maintains the engineering records and provides mapping/drafting services to support the Department.

Program Objectives:

1. Conduct long-range planning, research and analytical studies of water usage to monitor and forecast the anticipated water system needs for the island of Kauai.
2. Conduct condition assessment, investigation, analysis and review of the Department's water systems infrastructure.
3. Provides guidance and reviews proposed development's water system planning (subdivisions, zoning and land use amendments, resorts and hotels, water service requests, etc.) to ensure compliance with the Department's Rules and Regulations and Water System Standards.
4. Determine and evaluate hydraulic criteria in the development of an efficient water system distribution network.
5. Provide information and criteria to Federal, State and County agencies, stakeholder groups and the public to assist with the management of and protection of the island's water sheds and water resources.
6. Maintain maps and records of the Department's water infrastructure.

Program Highlights

For fiscal year 2019-2020 the Division reviewed and processed applications for subdivisions zoning, use permits, additional dwellings (ADUs), affordable rental units (ARUs), building permits and requests for water services. During FY 19-20 the Division provided guidance with the preparation and review of water master plans on Kauai. The Division assisted the Public Relations section with gathering information and provided data to assist with public inquires. The Division assisted with the Department's Project WET program (teacher education activities) and the Department's annual Make-A-Splash Festival (students and teachers all-day event to learn about water through fun, hands-on activities).

The Division assists in administering the Department's security program. The Division assisted the Department in reviewing amendments to the Rules & Regulations to address proposed changes in the Facilities Reserve Charge and water service and subdivision approval process. The Division continued to assist with the CIP implementation. The Division coordinated and assisted the USGS with various joint funded projects that included ground water data collection for Lihue, Kauai.

The Division continued to administer the update of the Kauai Water Use and Development Plan.

During FY 19-20, the Division participated in outside programs that included the Kauai Watershed Alliance, the Kauai Energy Utility Council, the Kauai Drought Committee and several community watershed councils. The Division administered the Department of Water Grant to the Kauai Watershed Alliance through its coordinator, The Nature Conservancy during FY 19-20. The Division assisted in the preparation of the County of Kauai Six-Year Capital Improvements Program Update. The Division continues to participate on the County "ePlan" building permit application program (paperless review).

The Division represents the Department at the County's Affordable Housing Task Force (AHTF) meetings that are conducted on a monthly basis or as necessary. The AHTF continues to facilitate the development and approval of the affordable housing projects on the island.

During FY 19-20 the Division continued to expand the Department's cross connection and backflow prevention program. The Division continues to review and approve backflow device plans and conducts the annual field testing program.

The filling of the Division's vacant Civil Engineer II and Civil Engineer I positions are primary objectives during FY 120-21.

PROGRAM MEASURES	FY 2018-2019 (actual)	FY 2019-2020 (estimate)	FY 2020-2021 (estimated)
1. Processed subdivision applications, zoning/use permits, land use/general plan amendment, ADU clearance applications	191	210	220
2. Processed water service inquires, meter requests	433	300	315
3. Processed building permits	1039	1400	1470
4. Back Flow Inspection Program – No. of Devices	1642	1642	1642
5. Hydraulic Model Update Project	on-going	on-going	on-going
6. USGS Stream Flow Study		on-going	on-going
7. USGS Groundwater Monitoring Program	on-going	on-going	on-going
8. Kauai Water Use and Development Plan Update	on-going	on-going	on-going
9. UH “Projecting Future Rainfall and Evapotranspiration for Kauai”			on-going

Summary Notes: Annual Operating and Capital Improvement Budget, Fiscal Year 2019-2020, **Water Resources and Planning**

General Expenses - Water Resources and Planning

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Water Utility Fund		295,648	381,805	1,678,550	256,100	1,688,550	406,337	1,699,700
10-22-10-540-010	WU/Plan/Admin/Professional Services	\$272,638	\$359,646	\$1,635,000	\$237,171	\$1,635,000	\$399,451	\$1,635,000
10-22-10-563-000	WU/Plan/Admin/Operating Supplies	\$346	\$2,956	\$1,250	\$332	\$1,000	\$137	\$1,000
10-22-10-570-010	WU/Plan/Admin/Books, Publications, Subscriptions, and Memberships (NEW)	\$0	\$0	\$0	\$0	\$3,000	\$0	\$4,000
10-22-10-571-010	WU/Plan/Admin/Training and Development	\$14,565	\$14,740	\$20,000	\$11,050	\$18,000	\$1,069	\$19,500
10-22-10-572-010	WU/Plan/Admin/Travel & Per Diem	\$8,100	\$4,463	\$22,300	\$7,547	\$25,600	\$4,800	\$32,600
10-22-10-573-010	WU/Plan/Admin/Meeting Expense (NEW)	\$0	\$0	\$0	\$0	\$5,950	\$880	\$7,600
	SUMMARY OF OPERATING EXPENSES	\$295,648	\$381,805	\$1,678,550	\$256,100	\$1,688,550	\$406,337	\$1,699,700
10-22-00-604-999	WU/Plan/Capital Outlay - Rehabilitation and Replacement/Misc. Capital Purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-22-00-605-999	WU/Plan/Capital Outlay - Expansion/Misc. Capital Purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SUMMARY OF CAPITAL PURCHASES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SUMMARY OF OPERATING EXPENSES	\$295,648	\$381,805	\$1,678,550	\$256,100	\$1,688,550	\$406,337	\$1,699,700
	SUMMARY OF CAPITAL PURCHASES	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$295,648	\$381,805	\$1,678,550	\$256,100	\$1,688,550	\$406,337	\$1,699,700

TOTAL: WU/Plan/Admin/Professional Services **\$272,638** **\$359,646** **\$1,635,000** **\$237,171** **\$1,635,000** **\$399,451** **\$1,635,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Kauai Watershed Alliance	Renewal of Annual Request			\$200,000		\$250,000		\$250,000
USGS Ground Monitoring Program	Renewal - Joint Funding Agreement (KDOW - USGS) Ground-Monitoring Program			\$45,000		\$45,000		\$45,000
Water Use and Development Plan Update	Job WRP 01, Contract 535, Contract Amount: \$514,000.00 (Encumbured)			\$0		\$0		\$0
Hydraulic Model Update	Updating and Calibrating the existing hydraulic model			\$300,000		\$300,000		\$300,000
WP 2040	Assist DOW to create WP 2040			\$1,040,000		\$1,040,000		\$1,040,000

Note:

TOTAL: WU/Plan/Admin/Operating Supplies

\$346

\$2,956

\$1,250

\$332

\$1,000

\$137

\$1,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Fire Hydrant Testing Kit	Fire Hydrant Flow Testing Tools & Equipment to Calibrate Hydraulic Model							
Equipment and Supplies	Annual replacement of steel toe boots, hard hats, safety vests, ear protection, office workstation ergonomics, etc. As Needed Field Equipment (e.g. traffic cones, misc tools, field tablet, etc.) and supplies.			\$250		\$1,000		\$1,000
Books / Manuals / Reference Materials	Purchase 10th Edition Manual of Cross -Connection Control, Uniform Plumbing Code, AWWA Manuals, etc. This is not a new request, line item is usually included in Admin's budget, however it would be better to have it with WRP for budget and accounting transparency.			\$1,000				

TOTAL: WU/Plan/Admin/Books, Publications, Subscriptions, and Memberships (NEW) **\$0** **\$0** **\$0** **\$3,000** **\$4,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
American Planning Association	Annual membership fee for Water Resources and Planning Division representatives (2) to attend and participate in Planning events and updates as it relates to the water industry and other stakeholders and utilities.					\$1,000		\$1,500
Books/Manuals/Reference Materials	Annual purchase of reference material as required: Cross-Connection Control Manual, Uniform Plumbing Code, AWWA Manuals, etc. relating to the Water Resources and Planning Division functional responsibility.					\$1,000		\$1,000
SkillPath Seminars, Inc.	Annual membership for Water Resouces and Planning staff (4) to obtain professional development by participation in live hosted seminars, live webinars and on-demand training provided by the SkillPath Seminars, Inc. Additionally, it is a resource to assist and provide professional development of the Water Resources Division staff with on-demand internet training.					\$1,000		\$1,500

TOTAL: WU/Plan/Admin/Training and Development

\$14,565

\$14,740

\$20,000

\$11,050

\$18,000

\$1,100

\$19,500

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
ESRI ArcMAP/GIS - Innovyze InfoWater Training Classes	On-site or off-island training courses for the Department's GIS & hydraulic modeling supervisors and implementors. The training courses will include updated and advanced GIS and hydraulic modeling concepts, utilization and implementation.	\$12,480		\$14,000		\$15,000		\$16,000
Training - Various	As needed on-island and/or off-island training to assist with the professional development of the Water Resources and Planning Division's staff. (i.e. Law, Legislation & Regulation updates & changes, GIS & GPS Concepts, Microsoft Training, Business Writing, etc).	\$60		\$3,000		\$3,000		\$3,500
Innovyze InfoWater subscription Renewal	Hydraulic Model (Innovyze) Maintenance and Support renewal.	\$2,025		\$0		\$0		\$0
ESRI User Conference	Registration for one (1) staff member to attend the annual ESRI User Conference. Annual ESRI User Conference includes GIS classes, hands on software training, water & utility user group sessions and networking to assist with the professional development of ESRI users. ESRI Users Conference attendees will learn & understand updates and advancements in ESRI GIS services, support and best practices to continue to advance the Department's GIS & hydraulic modeling program.			\$1,800		\$0		\$0
American Backflow Prevention Association Conference	Registration for two (2) staff members to attend the American Backflow Prevention Association Annual Conference. The American Backflow Prevention Association Annual conference includes, backflow prevention continuing education, backflow prevention device testing certification classes, hands on backflow prevention device training and professional networking with industry professionals to assist with the professional development of backflow prevention implementors. Attendees will learn & understand updates and advancements in backflow prevention research and best practices to continue to advance the Department's backflow prevention program.			\$1,200		\$0		\$0

TOTAL: WU/Plan/Admin/Travel & Per Diem

\$8,100

\$4,463

\$22,300

\$7,547

\$25,600

\$5,888

\$18,350

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
ESRI User Conference	Travel accomodations and per diem for one (1) staff member to attend the annual ESRI User Conference. (Estimate: air fare \$1000, lodging & ground transportation \$2400, per diem \$1350)			\$5,000		\$4,300		\$4,750
ESRI Water Conference	Travel accomodations and per diem for one (1) staff member to attend the annual ESRI Water Utilities Conference. (Estimate: air fare \$1000, lodging & ground transportation \$2400, per diem \$1350)							\$0
American Backflow Prevention Association Conference	Travel accomodations and per diem for one (1) staff member to attend the American Backflow Prevention Association Conference. (Estimate: air fare \$1000, lodging & ground transporation \$1750, per diem \$1000)			\$6,200		\$3,400		\$0
Hydraulic Modelers Committee	Travel accomodations and per diem for two (2) staff members to attend the quarterly, four (4), Hydraulic Modelers Committee training & meetings. (Estimate: air fare \$1750, lodging & ground transporation \$2500, per diem \$1500)			\$5,800		\$5,200		\$0
Conference/Training - Various	Travel accomodations and per diem for seven (7) staff member trips to attend off island training & meetings. (Estimate: air fare \$1550, lodging & ground transporation \$2200, per diem \$1350).		\$20	\$5,300	\$20	\$5,000		\$5,100
American Planning Association Conference	Travel accomodations and per diem for two (2) staff members to attend the American Planning Association Conference. (Estimate: air fare \$2000, lodging & ground transporation \$4000, per diem \$2500)					\$7,700		\$8,500

TOTAL: WU/Plan/Admin/Registration Expenses

\$0 \$0 \$5,950 \$880 \$5,950

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
American Backflow Prevention Association Conference	Registration for one (1) staff member to attend the American Backflow Prevention Association Annual Conference. The American Backflow Prevention Association Annual conference includes, backflow prevention continuing education, backflow prevention device testing certification classes, hands on backflow prevention device training and professional networking with industry professionals to assist with the professional development of backflow prevention implementors. Attendees will learn & understand updates and advancements in backflow prevention research and best practices to continue to advance the Department's backflow prevention program.					\$650		\$0
American Planning Association Conference	Registration for two (2) staff members to attend the American Planning Association Annual Conference. The American Planning Association Annual conference includes, planning area continuing education, focused water utility classes and training and professional networking with industry professionals to assist with the professional development of Planners. Attendees will learn & understand updates and advancements in planning research and best practices to continue to advance the Department's water planning and outreach program.					\$1,500		\$1,700
Conference/Training - Various - Registration	Registration fees for staff to attend various on-island and off-island professional development training and webinars.					\$2,000		\$2,250
ESRI User Conference	Registration for one (1) staff member to attend the annual ESRI User Conference. Annual ESRI User Conference includes GIS classes, hands on software training, water & utility user group sessions and networking to assist with the professional development of ESRI users. ESRI Users Conference attendees will learn & understand updates and advancements in ESRI GIS services, support and best practices to continue to advance the Department's GIS & hydraulic modeling program.					\$1,800		\$2,000
ESRI Water Utilities Conference	Registration for one (1) staff member to attend the annual ESRI Water GIS Conference. Annual ESRI Water GIS Conference includes GIS classes, hands on software training, water utility specific group sessions and networking to assist with the professional development of ESRI users. ESRI Water GIS Conference attendees will learn & understand updates and advancements in ESRI GIS services, support and best practices to continue to advance the Department's GIS & hydraulic modeling program.							\$0

FISCAL DIVISION

PROGRAM BUDGET – FY 2020-2021

Program Description:

The Fiscal Division is directly involved in planning and directing the financial activities of the Department of Water and is responsible for administering the fiscal programs and customer activities of the Department including but not limited to: cash management, cost accounting, payroll, leave records, accounts payable, utility plant accounting, meter reading, consumer billing and accounting and; preparation of financial and statistical reports; conduct internal audits and facilitate financial and statistical studies of the Department for reports and rate making; prepare the financial statements for yearly audit and assists the Manager in the development of the department's annual budget.

Program Objectives:

Administration

1. To preserve the financial integrity of the Department through internal control and annual financial audits.
2. To oversee all fiscal activities, fiscal recording and reporting, the preparation of the financial statements and annual budgets.
3. To develop accounting policies and standard operating procedures.
4. To oversee supervision of accounting and billing staff, and monitor proper implementation of generally accepted accounting principles.
5. To generate a return of investments and to insure deposits with financial institutions are fully collateralized.
6. To manage the department's budget and ensuring the availability of funds to meet cash flow requirements.

Accounting

1. To provide accurate, complete, and timely recording and reporting of the financial transactions and activities of the Department.
2. To process the Department's payroll in a timely manner.
3. To process accounts payable and issue payments in a timely and efficient manner.
4. To ensure accountability of the Utility Plant Assets and Property.

Consumer Service

1. To provide timely billing, collection, accounting and depositing of water bills and jobbing invoices.
2. Process meter applications and new services.
3. Service customers through inquires on billing, payment and collection matters.
4. Maintain records of accounts receivable.

Program Highlights

<i>Programs Measures</i>	<i>FY 2019 (actual)</i>	<i>FY 2020 (estimate)</i>	<i>FY 2021 (estimate)</i>
Annual Financial Audit	Yes	Yes	Yes
Return on Investments	1.21%	.95%	.50%
Water billings (No. of bills issued)	264,289	268,541	270,274
New Meter applications	613	86	104
Accounts payable transaction	1673	1776	1865
Payroll checks	2126	2147	2400
Payroll processed in work days	10	10	10

Fiscal Ongoing Activities and Initiatives:

- Five (5) years Water Rate Study extended to FY 2023.
- Perform Annual Water Audit every December 31st.
- Prepare Financial Statements for Annual Financial Audit.
- Prepare Annual Operating and Capital Outlay budgets.
- Procurement: Consultants to assist DOW Develop Financial Policies.

- Procurement: Service providers to implement Credit card payment option.

Accounting System:

- Accounting uses Great Plains Financial System to process and maintain the general ledger. Monthly financial report is generated monthly and a monthly fiscal report containing the following are submitted to board for their review, discussions and appropriate actions as necessary:
 - Monthly budget vs. actual summary
 - Year to date report of encumbrances and request for new or additional funds.
 - Monthly and year date comparative charts of billed revenues, revenue cash receipts and water consumption report.
 - Year to date Statement of Net Position
- Compile from each division and prepare the annual proposed Operating and Capital Outlay budgets of the DOW. Each Division Head is designated as budget managers of their own division's budget. Each has access to an Encumbrance Report where they can monitor their year to date budget status.
- Payroll is processed twice a month through the County's AS 400 payroll system. The DOW adheres to the County's payroll deadline to meet their closing requirements.
- The Department uses Maintenance Productivity Enhancement Tool (MPET) to process Operations' timesheet for payroll. In addition, MPET is used to maintain Materials and Meters Inventory as well as keeping track of Work Orders for billable and non-billable charges.
- Fiscal Reorganization to re-align some existing positions with current job descriptions was approved by the board; submitted to the County's Human Resources; may require additional data and re-submit for approval. A new position for Assistant Waterworks Controller was approved.

Consumer Service:

- New CC&B hosting solution was implemented; Customer Online Portal (CAP) with credit card and online payment was implemented and now used by customers.
- Meters are read monthly and bills are sent out monthly.
- Bill payments thru "Lock box" is available.
- Automatic Bill Pay E-bill presentment are available options to pay bills until online bill pay or ACH pay are fully implemented.

General Expenses - Billing

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
Water Utility Fund		\$ 226,695	\$ 175,248	\$ 483,033	\$ 225,159	\$ 253,373	\$ 138,232	\$ 303,733
10-30-20-540-010	WU/Bill/Collection/Professional Services - General	\$ -	\$ 1,802	\$ 230,000	\$ 56,245	\$ -	\$ -	\$ 100,000
10-30-20-541-010	WU/Bill/Collection/Other Services	\$ 24,513	\$ 23,715	\$ 35,100	\$ 20,918	\$ 35,100	\$ 15,083	\$ 26,700
10-30-20-541-020	WU/Bill/Collection/Billing Costs	\$ 199,586	\$ 147,184	\$ 206,658	\$ 143,393	\$ 206,658	\$ 117,017	\$ 164,418
10-30-20-563-000	WU/Bill/Collection/Operating Supplies	\$ 2,520	\$ 2,547	\$ 3,500	\$ 2,688	\$ 4,500	\$ 4,323	\$ 4,500
10-30-20-570-010	WU/Bill/Collection/Books, Publications, Subscriptions, and Memberships	\$ -	\$ -	\$ 350	\$ -	\$ 350	\$ -	\$ 350
10-30-20-571-010	WU/Bill/Collection/Training and Development	\$ 75	\$ -	\$ 3,000	\$ 550	\$ 3,000	\$ -	\$ 4,000
10-30-20-572-010	WU/Bill/Collection/Travel and Per Diem	\$ -	\$ -	\$ 4,425	\$ 1,365	\$ 3,765	\$ 1,809	\$ 3,765
Miscellaneous Capital Purchases		\$596,689	\$318,340	\$33,000	\$24,514	\$0	\$0	\$150,000
10-30-00-604-999	WU/Bill/Collection/Capital Outlay - R&R/Misc. Capital Purchases	\$ -	\$ -	\$ 33,000	\$ 24,514	\$ -	\$ -	\$ 150,000
10-30-00-605-999	WU/Bill/Collection/Capital Outlay - Expansion/Misc. Capital Purchases	\$596,689	\$318,340	\$0	\$0	\$0	\$0	\$0
	SUMMARY OF OPERATING EXPENSES	\$ 226,695	\$ 175,248	\$ 483,033	\$ 225,159	\$ 253,373	\$ 138,232	\$ 303,733
	SUMMARY OF CAPITAL PURCHASES	\$ 596,689	\$ 318,340	\$ 33,000	\$ 24,514	\$ -	\$ -	\$ 150,000
	OPERATING EXPENSES PLUS CAPITAL OUTLAY	\$ 823,384	\$ 493,588	\$ 516,033	\$ 249,673	\$ 253,373	\$ 138,232	\$ 453,733

TOTAL: WU/Bill/Collection/Professional Services - General **\$0** **\$1,802** **\$230,000** **\$56,245** **\$0** **\$100,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Project Management	To implement online and credit card payments options			\$80,000		\$0		\$0
CC&B Support and Change Requests	CC&B Software & Hardware Support - Kauai cost allocation							
Project Management	Alternative Billing Software			\$150,000		\$0		\$0
Consulting Services	Billing Software Services							\$100,000

TOTAL: WU/Bill/Collection/Other Services

\$24,513

\$23,715

\$35,100

\$20,918

\$35,100

\$15,083

\$26,700

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Armored Car Service	Deposit pick up from DOW to Bank institution			\$11,100		\$11,100		\$8,700
Lock box service	Bank fees / Lock box processing fees (moved from 541-020)			\$24,000		\$24,000		\$18,000

TOTAL: WU/Bill/Collection/Billing Costs

\$199,586

\$147,184

\$206,658

\$143,393

\$206,658

\$117,017

\$164,418

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Postage for Water Bills	Postage for Water Bills			\$117,418		\$117,418		\$117,418
Bill Processing Fees	Bill Processing fees			\$87,640		\$87,640		\$47,000
Lock box service	PO Box rental for the lockbox			\$1,600		\$1,600		\$0

TOTAL: WU/Bill/Collection/Operating Supplies

\$2,520

\$2,547

\$3,500

\$2,688

\$4,500

\$4,323

\$4,500

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Miscellaneous supplies	Binders, receipt paper, and other supplies not covered in the office supply budget, safety shoes; meter reading small tools			\$2,500		\$3,000		\$3,000
Office and Desk Accessories	Ergonomic/ADA workspace fittings; i.e. varidesks			\$1,000		\$1,500		\$1,500

TOTAL: WU/Bill/Collection/Books, Publications, Subscriptions, and Memberships **\$0** **\$0** **\$350** **\$0** **\$350** **\$350**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
GFOA	Membership for one employee (to secure lower rates on conference fees)			\$350		\$350		\$350

TOTAL: WU/Bill/Collection/Training and Development \$75 \$0 \$3,000 \$550 \$3,000 \$0 \$4,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Staff Training	CC&B and/or new CIS billing			\$0		\$0		\$0
Staff development trainings	Customer Service trainings			\$3,000		\$3,000		\$4,000

TOTAL: WU/Bill/Collection/Travel and Per Diem

\$0 \$0 \$4,425 \$1,365 \$3,765 \$1,809 \$3,765

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Staff Travel	Coordination w/ HBWS, Maui water departments (\$200+20)*3			\$660		\$0		
GFOA Conference - GASB or GAAP Trainings	Continuing Education for GASB and GAAP updates			\$3,765		\$3,765		\$3,765
	Airfare for 1 (\$1,400)							
	Hotel (\$240*5)							
	Per diem (\$145*7)							
	Miscellaneous (\$150)							

TOTAL: WU/Bill/Collection/Capital Outlay - R&R/Misc. **\$0** **\$33,000** **\$24,514** **\$0** **\$0** **\$150,000**
 Capital Purchases

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2019-2020 Actual	FY 2019-2020 Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
2W pick up truck	Replace CK 2067, 2009 Ford P/U truck with 162,000 miles			\$33,000		\$0			
AWD Compact SUV	Replace CK 2162, 2012 TYT RAV4 with 153,119 miles							\$35,000	Yes
AWD Compact SUV	Replace CK 2160, 2012TYT RAV4 with 137,284 miles							\$35,000	Yes
Lobby	Lobby Assessment (Acoustics & Slippery surface floor			\$0		\$0		\$50,000	Yes
Customer Service Counter	Improvement							\$30,000	

TOTAL: WU/Bill/Collection/Capital Outlay - Expansion/Misc. Capital Purchases **\$596,689** **\$318,340** **\$0** **\$10,000** **\$0**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2019-2020 YTD Actual as of 2/28/19	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget	New Request?
New Billing System	Implementation of a New Customer Information System (CIS) for Billing & Collection.			\$0		\$0			No
New Security System	New Security System for the new building			\$0		\$0			Yes

General Expenses - Accounting

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
Water Utility Fund		\$ 163,326	\$ 150,203	\$ 366,745	\$ 153,017	\$ 373,845	\$ 104,254	\$ 553,195
10-31-10-540-010	WU/Acctg/Admin/Professional Services - General	\$70,879	\$44,393	\$206,000	\$56,876	\$206,000	\$6,988	\$381,600
10-31-10-540-020	WU/Acctg/Admin/Accounting and Auditing	\$58,805	\$75,132	\$106,800	\$58,668	\$106,800	\$69,900	\$106,800
10-31-10-541-010	WU/Acctg/Admin/Other Services - General	\$16,954	\$9,154	\$21,600	\$10,031	\$25,200	\$13,924	\$25,200
10-31-10-562-000	WU/Acctg/Admin/Office Supplies	\$13,196	\$18,221	\$22,000	\$20,307	\$22,000	\$11,901	\$22,000
10-31-10-563-000	WU/Acctg/Admin/Operating Supplies	\$2,776	\$2,664	\$2,500	\$2,184	\$3,000	\$992	\$6,000
10-31-10-570-010	WU/Acctg/Admin/Books, Publications, Subscriptions, and Memberships	\$200	\$0	\$760	\$200	\$760	\$150	\$760
10-31-10-571-010	WU/Acctg/Admin/Training and Development	\$517	\$638	\$2,000	\$1,075	\$2,000	\$187	\$5,750
10-31-10-572-010	WU/Acctg/Admin/Travel & Per Diem	\$0	\$0	\$4,485	\$3,675	\$4,485	\$212	\$4,485
10-31-10-573-010	WU/Acctg/Admin/Meeting Expense	\$0	\$0	\$600	\$0	\$600	\$0	\$600
Capital Purchases		\$0	\$0	\$0	\$0	\$3,000	\$0	\$0
10-31-00-605-999	WU/Bill/Collection/Capital Outlay - Expansion/Misc. Capital Purchases	\$ -	\$ -	\$ -	\$ -	\$ 3,000	\$ -	\$ -
SUMMARY OF OPERATING EXPENSES		\$ 163,326	\$ 150,203	\$ 366,745	\$ 153,017	\$ 370,845	\$ 104,254	\$ 553,195
SUMMARY OF CAPITAL OUTLAY/ MISC. CAPITAL PURCHASES		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OPERATING EXPENSES PLUS CAPITAL OUTLAY		\$ 163,326	\$ 150,203	\$ 366,745	\$ 153,017	\$ 373,845	\$ 104,254	\$ 553,195

TOTAL: WU/Acctg/Admin/Professional Services - General **\$70,879** **\$44,393** **\$206,000** **\$56,876** **\$206,000** **\$6,988** **\$381,600**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Bond Counsel	County's allocation to DOW. County makes all decisions regarding issuing and refunding bonds.			\$15,000		\$15,000		\$15,000	No
Actuarial & Valuation Services	OPEB - Other Post Employment Benefits & ERS - County and/or State - fees and costs allocation to DOW.			\$15,000		\$15,000		\$20,600	No
Workers Comp Actuarial Valuation	County's allocation to DOW. County makes all decisions regarding procurement and use of these services.			\$6,000		\$6,000		\$6,000	No
New Water Rate Study for FY 2017-2022	Financial Planning & Rate analysis			\$20,000		\$20,000		\$20,000	Yes
Consulting Services	To assist DOW develop Financial Policies on Financial Planning, Capital Improvement Planning and Prioritization, Debt Issuance and Development of a Capital & Operating Expenditures Budget			\$150,000		\$150,000		\$100,000	
Project Management	Complete Implementation of GP, Office 365 and Sharepoint							\$220,000	

TOTAL: WU/Acctg/Admin/Accounting and Auditing **\$58,805** **\$75,132** **\$106,800** **\$58,668** **\$106,800** **\$69,900** **\$106,800**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Auditor	Annual financial audit (FY 2016).			\$86,800		\$86,800		\$86,800	No
Consultant	Consulting services as needed.			\$20,000		\$20,000		\$20,000	No.

TOTAL: WU/Acctg/Admin/Other Services - General \$16,954 \$9,154 \$21,600 \$10,031 \$25,200 \$13,924 \$25,200

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Bank Service Fees	Analysis Charge (Average \$1800 per month)			\$21,600		\$25,200		\$25,200	No

TOTAL: WU/Acctg/Admin/Office Supplies

\$13,196

\$18,221

\$22,000

\$20,307

\$22,000

\$11,901

\$22,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Copy Paper				\$5,000		\$5,000		\$5,000	No
Office Supplies	Pens, Pencils, Writing Pads, Binders, Storage Boxes, Folders, Note Pads, Etc			\$5,000		\$5,000		\$5,000	No
Freight (Office Supplies)				\$1,000		\$1,000		\$1,000	No
Miscellaneous Forms	Letterheads, envelopes, booklet covers			\$2,000		\$2,000		\$2,000	No
Janitorial Supplies				\$7,000		\$7,000		\$7,000	No
Zee Medical	Front Office			\$2,000		\$2,000		\$2,000	
Office and Desk Accessories				\$0		\$0		\$0	No

TOTAL: WU/Acctg/Admin/Operating Supplies

\$2,776

\$2,664

\$2,500

\$2,184

\$3,000

\$992

\$6,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Miscellaneous supplies	Binders and other specialty items not included in the Admin office supply budget			\$1,000		\$1,500		\$1,500	No
Dual Monitors	Dual Monitors								No
Office and Desk Accessories	Ergonomic/ADA workspace fittings			\$1,500		\$1,500		\$1,500	No
New Computer System	complete set up for one new position (Asst. Waterworks Controller)							\$3,000	Yes

TOTAL: WU/Acctg/Admin/Books, Publications, Subscriptions, and Memberships **\$200** **\$0** **\$760** **\$200** **\$760** **\$150** **\$760**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
GFOA	Membership for controller (to secure lower rates on conference fees)			\$350		\$350		\$350	No
Subscriptions	GFOA subscriptions			\$410		\$410		\$410	No

TOTAL: WU/Acctg/Admin/Training and Development \$517 \$638 \$2,000 \$1,075 \$2,000 \$187 \$5,750

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Trainings	Staff training			\$2,000		\$2,000		\$2,000	Y
	Leadership training							\$3,750	

TOTAL: WU/Acctg/Admin/Travel & Per Diem

\$0 \$0 \$4,485 \$3,675 \$4,485 \$212 \$4,485

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Travel & Per Diem	GFOA Conference - Continuing Education for GAAP and GASB updates			\$3,765		\$3,765		\$3,765	NO
	Airfare for 1 (\$1,400)								
	Hotel (\$240*5)								
	Per diem (\$145*7)								
	Miscellaneous (\$150)								
Interisland meetings	Interisland travels (240 * 3)			\$720		\$720		\$720	

TOTAL: WU/Acctg/Admin/Meeting Expense \$0 \$0 \$600 \$0 \$600 \$0 \$600

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed	New Request ?
Registration	GFOA Conference registration			\$600		\$600		\$600	No

TOTAL: WU/Bill/Collection/Capital Outlay -
Expansion/Misc. Capital Purchases

\$0 \$0 \$0 \$0 \$3,000 \$0 \$0

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Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2018-2019 YTD Actual as of 12/31/18	FY 2020-2021 Proposed Budget	New Request?
New Computer System	complete set up for one new position					\$3,000			

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2017-2018 YTD Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
Water Utility Fund		18,716,452	21,967,834	19,020,434	20,975,949	9,924,798	20,095,410	13,761,737	18,701,793
10-01-10-530-060	WU/Admin/Admin/Post-Employment Benefits (OPEB)	\$968,000	\$1,002,000	\$1,002,000	\$1,011,000	\$134,576	\$1,077,000	\$789,186	\$1,077,000
10-00-10-547-000	WU/Acctg/Admin/County Service Charge	\$2,133,294	\$2,122,038	\$2,136,510	\$2,133,294	\$2,174,298	\$2,136,510	\$1,449,532	\$2,174,298
10-00-90-580-000	WU/Depreciation/Depreciation**	\$6,821,400	\$7,314,750	\$6,931,203	\$7,314,750	\$6,153,980	\$7,314,750	\$4,606,387	\$6,500,000
10-00-90-581-000	WU/Depreciation/Amortization**	\$660,984	\$650,000	\$743,456	\$700,000	\$752,653	\$700,000	\$153,232	\$752,653
10-00-90-582-000	WU/Inflows/Outflows**	-\$41,932	\$0	-\$41,932	-\$41,932	-\$41,932	-\$41,932	-\$27,954	-\$41,932
10-00-00-582-000	WU/Interest Expense	\$3,440,092	\$3,639,100	\$3,413,738	\$3,460,087	\$3,139,065	\$3,268,048	\$2,126,288	\$3,067,232
10-00-00-590-000	WU/Transfers to/from Other Funds	\$0	\$0	\$0	\$0	-\$2,987,016	\$0	\$0	\$0
10-00-00-590-001	WU/Transfers to Other Funds (DSR)	\$0	-\$100,000	\$0	-\$100,000	\$0	-\$200,000	\$0	\$0
10-00-00-590-002	WU/Transfers to Other Funds (ER)	\$0	\$400,000	\$0	\$600,000	\$0	\$800,000	\$0	\$0
10-00-00-602-000	WU/Loan Proceeds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-682-000	WU/Debt Principal Expense	\$4,717,296	\$4,835,459	\$4,835,459	\$4,883,749	\$0	\$5,017,034	\$4,657,465	\$5,160,541
20-00-00-590-000	FRC/Transfers to Other Funds	\$0	\$2,080,486	\$0	\$1,000,000	\$585,510	\$0	\$0	\$0
30-31-10-541-010	Bond/Transfers to Other Funds	\$17,318	\$24,000	\$0	\$15,000	\$13,664	\$24,000	\$7,601	\$12,000
60-00-00-590-000	SRF/Transfers to Other Funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Depreciation/Amortization/Bond Inflows & Outflows - non cash budget items

TOTAL: WU/Admin/Admin/Post-Employment Benefits (OPEB) **\$968,000** **\$1,002,000** **\$1,011,000** **\$134,576** **\$1,077,000** **\$789,186** **\$1,077,000**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
OPEB Expense	Amount is estimated and is subject to change. New valuation is coming out around end of April			\$1,011,000		\$1,077,000		\$1,077,000

TOTAL: WU/Acctg/Admin/County Service Charge

\$2,133,294 \$2,136,510 \$2,133,294 \$2,174,298 \$2,136,510 \$1,449,532 \$2,174,298

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
County Service Charge	2,645 - 6" @ \$804 = \$2,126,580; 28 - 4" Hydrant @ \$276.00 = \$7,728 ; 310 - Standpipes @ \$129.00 = \$39,990			\$2,133,294		\$2,136,510		\$2,174,298

TOTAL: WU/Depreciation/Depreciation**

\$6,821,400 \$6,931,203 \$7,314,750 \$6,153,980 \$7,314,750 \$4,606,387 \$6,500,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Depreciation	Depreciation based on DOW financials			\$7,314,750		\$7,314,750		\$6,500,000

TOTAL: WU/Depreciation/Amortization**

\$660,984

\$743,456

\$700,000

\$752,653

\$700,000

\$153,232

\$752,653

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Amortization	Amortization based on FY 2019 financials			\$700,000		\$700,000		\$752,653

TOTAL: WU/Inflows/Outflows****-\$41,932****-\$41,932****-\$41,932****-\$41,932****-\$41,932****-\$27,954****-\$41,932**

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Amortization	Amortization based on financials	-\$41,932		-\$41,932		-\$41,932		-\$41,932

TOTAL: WU/Interest Expense

\$3,440,092 \$3,413,738 \$3,460,087 \$3,139,065 \$3,268,048 \$2,126,288 \$3,067,232

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
10-00-00-582-01	1980 FmHA (93)							
10-00-00-582-02	Kauai GOB 2011 A Series (97.1)			\$112,225		\$98,850		\$83,250
10-00-00-582-03	2005A Water Bonds (86)							
10-00-00-582-04	2012A Water Bonds -Refunded Part of 2005A (97.3)			\$96,638		\$89,238		\$83,213
10-00-00-582-05	2010A Series -BAB (92)			\$2,589,724		\$2,497,446		\$2,397,178
10-00-00-582-06	2005A Water Bonds, Partial Refunding of 2001 Series A (87)			\$45,713		\$31,463		\$17,731
10-00-00-582-14	DW400-0001 - Stable 1.0 MG Tank (89)			\$145,388		\$132,053		\$118,623
10-00-00-582-21	DW400-0011 - Plh 39a, Lihue Baseyard			\$25,098		\$23,622		\$22,103
10-00-00-582-08	DW404-0001 - Hanapepe 27" Pipeline (81)			\$8,474		\$6,894		\$5,298
10-00-00-582-07	DW404-0002 - Hanapepe River Crossing (80)			\$15,203		\$12,367		\$9,504
10-00-00-582-19	DW406-0001 - Kapilimao Well (99)			\$8,127		\$5,993		\$3,830
10-00-00-582-17	DW406-0003 - Kapilimao 0.5 MG Tank (94)			\$86,792		\$79,570		\$72,321
10-00-00-582-15	DW406-0005 - Kaunualii Hwy 12 inch Main Repl Elepaio (90)			\$83,489		\$76,186		\$68,867
10-00-00-582-13	DW408-0002 - Poipu Rd 16 inch main (88)			\$79,756		\$70,693		\$61,623
10-00-00-582-18	DW410-0001 - Kokolau (98)			\$14,321		\$9,981		\$5,583
10-00-00-582-10	DW410-0005 - Lihue Steel Tanks 1 & 2 (83)			\$16,978		\$14,498		\$12,007
10-00-00-582-09	DW413-0002 - Wailua Homesteads Well No. 3 (82)			\$4,743		\$3,930		\$3,109
10-00-00-582-11	DW413-0005 - Ornellas 0.2 MG Tank (84)			\$11,302		\$9,658		\$7,996
10-00-00-582-12	DW413-0006 - 16" Waterline Kuhio Hwy Wailua (85)			\$32,364		\$28,210		\$24,050
10-00-00-582-20	DW413-0008 - Wailua Houselots Main Repl			\$43,078		\$40,282		\$37,397
10-00-00-582-16	DW434-0003 - Waha, Wawae & Niho (91)			\$40,673		\$37,116		\$33,550
10-00-90-582-000	WU/bond Inflows & Outflows							

TOTAL: WU/Transfers to/from Other Funds

\$0 - \$2,987,016

\$0

\$0

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Transfer SRF Loan forgiveness	Transfer estimated proceeds from SRF loan forgiveness to SRF fund							
Transfer SRF Loan Proceeds	Transfer estimated proceeds from SRF loan to SRF fund							

TOTAL: WU/Transfers to Other Funds (DSR)

-\$100,000

-\$200,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
	Debt Service Reserve (50% of annual debt service, \$2.1M transferred)			-\$100,000		-\$200,000		

TOTAL: WU/Transfers to Other Funds (ER)

\$600,000

\$800,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
25% of \$25.8M less \$3.6M transferred	Emergency Reserve (25% of Operating Expenses, \$5.9M transferred)			\$600,000		\$800,000		

TOTAL: WU/Loan Proceeds

\$0

\$0

\$0

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
SRF Loan Proceeds	SRF Loan Proceeds			\$0				

TOTAL: WU/Debt Principal Expense

\$4,717,296 \$4,835,459 \$4,883,749 \$0 \$5,017,034 \$4,657,465 \$5,160,541

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
01-00-00-682-01	1980 FmHA (93)			\$0				
01-00-00-682-02	Kauai GOB 2011 A Series (97.1)			\$325,000		\$340,000		\$355,000
01-00-00-682-03	2005A Water Bonds (86)							
01-00-00-682-04	2012A Water Bonds -Refunded Part of 2005A (97.3)			\$160,000		\$170,000		\$175,000
01-00-00-682-05	2010A Series -BAB (92)			\$2,185,000		\$2,275,000		\$2,375,000
01-00-00-682-06	2005A Water Bonds, Partial Refunding of 2001 Series A (87)			\$280,000		\$290,000		\$305,000
01-00-00-682-14	DW400-0001 - Stable 1.0 MG Tank (89)			\$380,260		\$381,229		\$382,261
01-00-00-682-21	DW400-0011 - Plh 39a, Lihue Baseyard			\$99,095		\$99,579		\$100,100
01-00-00-682-08	DW404-0001 - Hanapepe 27" Pipeline (81)			\$37,183		\$37,552		\$37,924
01-00-00-682-07	DW404-0002 - Hanapepe River Crossing (80)			\$66,722		\$67,385		\$68,053
01-00-00-682-19	DW406-0001 - Kapilimao Well (99)			\$50,044		\$50,548		\$51,064
01-00-00-682-17	DW406-0003 - Kapilimao 0.5 MG Tank (94)			\$196,558		\$197,385		\$198,212
01-00-00-682-15	DW406-0005 - Kaunualii Hwy 12 inch Main Repl Elepaio (90)			\$204,346		\$205,003		\$205,655
01-00-00-682-13	DW408-0002 - Poipu Rd 16 inch main (88)			\$265,565		\$265,991		\$266,415
01-00-00-682-18	DW410-0001 - Kokolau (98)			\$93,608		\$94,895		\$96,199
01-00-00-682-10	DW410-0005 - Lihue Steel Tanks 1 & 2 (83)			\$66,781		\$67,089		\$67,397
01-00-00-682-09	DW413-0002 - Wailua Homesteads Well No. 3 (82)			\$21,473		\$21,588		\$21,707
01-00-00-682-11	DW413-0005 - Ornellas 0.2 MG Tank (84)			\$42,942		\$43,188		\$43,445
01-00-00-682-12	DW413-0006 - 16" Waterline Kuhio Hwy Wailua (85)			\$121,768		\$121,964		\$122,158
01-00-00-682-20	DW413-0008 - Wailua Houselots Main Repl			\$187,862		\$188,777		\$189,772
01-00-00-682-16	DW434-0003 - Waha, Wawae & Niho (91)			\$99,542		\$99,862		\$100,179

TOTAL: FRC/Transfers to Other Funds

\$0 \$1,000,000 \$585,510 \$0

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Transfer to W/U	Proportionate FRC Debt Service (FY 2016 = 2,500,668)			\$1,000,000		\$0		
	**recorded \$1,933,657 in FY 2017							
	** Bal of FY 2016 of 567,011 will be transferred as of 6/30/18.							

TOTAL: Bond/Transfers to Other Funds

\$17,318

\$15,000

\$13,664

\$24,000

\$7,601

\$12,000

Line Item	Notes	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Proposed Budget	FY 2019-2020 Actual	FY 2020-2021 Budget
Custodial fee	BAB custodial fee & other investment costs			\$15,000		\$24,000		\$12,000

Operations Division

Program Budget – FY2020 - 2021

PROGRAM DESCRIPTION

The Operations Division is responsible for maintaining and operating the Department's water distribution network, water storage facilities and water producing sources. This infrastructure provides potable water to approximately 21,000 metered services in sufficient quantities, at adequate pressures, with minimum interruptions and of a quality safe and suitable for human consumption as mandated by the United States Environmental Protection Agency (USEPA) and the Safe Drinking Water Act (SDWA).

As water is an essential commodity, emergency repairs and trouble calls are provided round-the-clock on an as-needed basis. In order to accomplish its mission, the Operations' Division maintains and stocks a complete inventory of materials and supplies for assurances that repairs are completed in a timely manner. This Division handles the smaller construction projects and participates in large pipeline installation projects. It also initiates field engineering to ensure efficient operations. Along with the responsibilities of providing potable water, it provides the Department's fleet management functions and is responsible with the maintenance, repairs and replacement of vehicles and equipment.

Under the direction of the Chief of Operations, the Division consists of the Administrative Section, Plant Operations Section and the Field Operations Section. There are 58 permanent positions and 11 temporary as needed positions for the Division.

PROGRAM OBJECTIVES

Our daily activities are centered along the following:

1. Operating, monitoring, and maintaining 53 deep well pumping stations, 19 booster pumping stations along with its associated electrical motor control centers and chlorination disinfection equipment, 4 tunnel sources, 62 storage tanks, 75 control valve stations,
2. Maintaining, repairing, and replacing mechanical and electrical malfunctioning components, equipment and infrastructure to maintain water service.

3. Maintaining and repairing the Department's 49 vehicles, 1 electric car, 3 mini-excavator, 2 backhoes, 2 skid steer loaders along with their various attachments, 1- 2,000 gallon water tanker truck, 5 dump trucks, 1 portable air compressor, 11 trailers, 12 trailer-mounted generators ranging in sizes from 70 KW to 400 KW, 2 light towers, 2 riding lawn mowers and numerous motorized hand-operated construction equipment.
4. Operating, monitoring, repairing and maintaining 400+ miles of pipelines and approximately 21,000+ consumer water service connections and meters, 4,000+ valves, 2,645+ fire hydrants and standpipes.
5. Installing new service connections and meters including the replacement of defective meters and those in service for 20 years. Providing temporary water services through hydrant meter connections for construction activities like dust control and landscaping.

In addition to our daily activities, some of the major occurrences and tasks performed by the Operations Division during FY 2019-2020 were:

Personnel

- The following positions were vacated:
 - Three (3) Pipefitters (promotion to Lead Pipefitter),
 - One (1) Senior Account Clerk (promotion to Waterworks Program Technician
 - One (1) Construction and Maintenance Worker I (promotion to Maintenance Worker II)
 - One (1) Assistant Water Plant Operator (promotion to Water Plant Operator I)
 - One (1) Pipefitter Helper (promotion to Equipment Operator II)
 - Two (2) Pipefitter Helpers (promotion to Pipefitter)
- Two (2) vacant Equipment Operator II filled
- Two (2) vacant Pipefitter Helper positions filled
- Vacant Maintenance Worker I position filled
- Vacant Groundskeeper position filled
- Vacant Utility Worker position filled

- On-going recruitments:
Utility Worker
Lead Meter Mechanic
Water Service Investigator I, II, III
Senior Account Clerk

Source and Storage

- Contract 681, Installation of on-site Sodium Hypochlorite generation at Makaleha Well completed.
- Contract 679 Puhi Well 3 refurbishment, on-going.
- Contract 687 Anahola Well A refurbishment, on-going
- Contract 693 Koloa Well D refurbishment, on-going

Distribution

- As of March 31, 2020, distribution system operators responded to 284 emergency calls reporting pipeline and hydrant leaks.
- As of March 31, 2020, Operations Division personnel responded to 237 Hawaii One Call Center requests from contractors and developers for water line location markings.
- Crews replaced 15 meter boxes, and installed/replaced/repared/maintained 409 meters.
- A total of 4 live taps were performed.
- A total of 16 service laterals were installed or replaced.
- Hydrant crew replaced 4 fire hydrants
- A total of 13 temporary hydrant meter applications were processed and installed.

Ops Inventory, Warehouse and Baseyard Area

- Old vehicles and equipment to be auctioned. Usable vehicles were refurbished for temporary use during COVID-19 Pandemic to comply with social distancing guidelines. Carpooling is discouraged.
- Contract C632 extended, SCADA maintenance.
- Contract C648 on-going, Air conditioning maintenance.

- Contract 686 vehicle for emergency generator mechanic, on-going
- Contract 671 dump truck received, processing documents
- Contract 673 groundskeeper truck received
- Contract 676 field superintendent truck received
- Contract 674 baseyard masterplan, 100% submitted
- Contract 684 Lab truck received.
- Contract 696 heavy equipment trailers (3x) on-going
- Contract 691 Water Service Investigator truck, on-going
- Contract 694 utility truck, on-going
- Contract 695 dump truck, on-going
- Contract 692 hydrants and appurtenances, on-going

GOALS FOR THE 2020-2021 FISCAL YEAR

1. Recruit to fill vacant positions.
2. Complete offices and work stations for Operations Division at Microlab second floor.
3. Continue with progress made in converting from paper to electronic timesheets and have all Ops personnel on electronic timesheets.
4. Continue with the progress made in reminding employees to follow chain of command.
5. Continue and speed targeted pipeline and service lateral replacements.
6. Obtain quotes and execute contract for on-site generation of Sodium Hypochlorite for disinfection at Kapilimao Well.
7. Review and update the Department's Safety Program. Implement in daily operations.
8. Continue in-house projects of replacing transmission and main lines that are prone to breakage.
9. Continue in-house construction projects related to repair and maintenance of structures and infrastructure located within Department of Water remote sites.
10. Continue with the progress made in quickly responding to trouble and/or emergency calls.
11. Continue with the progress of having a weeklong standby crew that improved response time to leak reports received after regular office hours and on weekends and holidays.
12. Continue with the progress of reducing electric consumption.
13. Continue with the progress of reducing water loss and unbilled water.
14. Continue with the progress of replacing old and defective residential meters with new AMR meters for better billing accuracy.

General Expenses - Operations

Account	Description	FY 2016-2017 Actual	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 YTD Actual	FY 2019-2020 Proposed	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed
Operating Expenses		\$4,530,088	\$5,158,368	\$6,674,677	\$5,023,638	\$6,406,677	\$4,073,305	\$6,213,677
10-40-50-501-001	WU/Ops/Power/Pump/Exc-Kalaheo	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-40-50-501-002	WU/Ops/Power/Pump/Exc-Kilauea	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10-40-60-540-010	WU/Ops/TandD/Professional Services - General	\$0	\$0	\$325,001	\$0	\$1	\$0	\$1
10-40-60-541-010	WU/Ops/TandD/Other Services	\$993	\$640	\$2,000	\$294	\$2,000	\$662	\$2,000
10-40-50-543-000	WU/Ops/Power/Pump/Communication Services	\$36,194	\$0	\$0	\$215	\$0	\$0	\$0
10-40-60-545-000	WU/Ops/TandD/Rentals and Leases	\$69,831	\$4,713	\$70,000	\$38,903	\$50,000	\$10,408	\$50,000
10-40-50-551-000	WU/Ops/Power/Pump/Utility Services	\$2,563,016	\$2,588,761	\$2,700,000	\$2,556,208	\$2,700,000	\$1,809,745	\$2,700,000
10-40-50-560-000	WU/Ops/PandP/Repairs and Maintenance - Water System	\$8,292	\$5,730	\$50,000	\$40,658	\$50,000	\$5,695	\$40,000
10-40-60-560-000	WU/Ops/TandD/Repairs and Maintenance - Water System	\$35,050	\$306,772	\$171,000	\$110,775	\$171,000	\$247,204	\$171,000
10-40-60-561-000	WU/Ops/TandD/Repairs and Maintenance - Other than Water System	\$207,879	\$103,933	\$228,000	\$73,912	\$209,000	\$63,887	\$285,000
10-40-30-563-000	WU/Ops/Source/Operating Supplies	\$38,008	\$49,962	\$75,000	\$52,877	\$60,000	\$46,450	\$210,000
10-40-40-563-000	WU/Ops/Purification/Operating Supplies	\$34,245	\$48,115	\$78,000	\$115,070	\$101,000	\$40,982	\$91,000
10-40-50-563-000	WU/Ops/PandP/Operating Supplies	\$36,568	\$22,616	\$95,000	\$53,144	\$185,000	\$164,259	\$35,000
10-40-60-563-000	WU/Ops/TandD/Operating Supplies	\$251,688	\$22,616	\$250,000	\$590,894	\$255,000	\$265,180	\$255,000
10-40-50-563-010	WU/Ops/PandP/Operating Supplies/Invty. Stock	\$1,857	\$6,580	\$15,000	\$0	\$15,000	\$11,873	\$15,000
10-40-60-563-010	WU/Ops/TandD/Operating Supplies/Invty. Stock	\$119,269	\$260,804	\$646,000	\$0	\$646,000	\$139,710	\$386,000
10-40-60-564-000	WU/Ops/TandD/Fuel	\$82,695	\$81,993	\$115,500	\$101,324	\$115,500	\$83,216	\$122,500
10-40-30-565-000	WU/Ops/Source/Bulk Water Purchase	\$1,009,005	\$1,639,634	\$1,810,176	\$1,255,770	\$1,816,176	\$1,157,354	\$1,820,176
10-40-60-571-010	WU/Ops/TandD/Training & Development	\$31,519	\$12,177	\$30,000	\$22,085	\$25,000	\$20,373	\$25,000
10-40-60-572-010	WU/Ops/TandD/Travel & Per Diem	\$3,980	\$3,321	\$6,000	\$6,983	\$6,000	\$5,308	\$6,000
10-40-60-573-010	WU/Ops/TandD/Meeting Expense	\$0	\$0	\$8,000	\$4,525	\$0	\$1,000	\$0
Miscellaneous Capital Purchases		\$489,703	\$161,043	\$998,000	\$396,133	\$815,000	\$396,133	\$760,200
10-40-00-604-999	WU/Ops/Capital Outlay - R&R/Misc. Capital Purchases	\$418,234	\$151,172	\$670,000	\$305,102	\$340,000	\$305,102	\$742,000
10-40-00-605-999	WU/Ops/Capital Outlay - Expansion/Misc. Capital Purchases	\$71,469	\$9,872	\$328,000	\$91,031	\$475,000	\$91,031	\$18,200
Capital Outlay		\$0	\$0	\$0	\$0	\$1	\$212,679	\$2,840,000
10-40-00-604-166	WU/Ops/Capital Outlay - R&R/SWTP Water Treatment Delivery Agreeeme	\$0	\$0	\$0	\$0	\$1	\$212,679	\$2,840,000
SUMMARY OF OPERATING EXPENSES		<u>\$4,530,088</u>	<u>\$5,158,368</u>	<u>\$6,674,677</u>	<u>\$5,023,638</u>	<u>\$6,406,677</u>	<u>\$4,073,305</u>	<u>\$6,213,677</u>
SUMMARY OF CAPITAL PURCHASES		<u>\$489,703</u>	<u>\$161,043</u>	<u>\$998,000</u>	<u>\$396,133</u>	<u>\$815,000</u>	<u>\$396,133</u>	<u>\$760,200</u>
SUMMARY OF CAPITAL OUTLAY		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1</u>	<u>\$212,679</u>	<u>\$2,840,000</u>
OPERATING EXPENSES PLUS CAPITAL OUTLAY		<u>\$5,019,791</u>	<u>\$5,319,411</u>	<u>\$7,672,677</u>	<u>\$5,419,772</u>	<u>\$7,221,678</u>	<u>\$4,682,118</u>	<u>\$9,813,877</u>

TOTAL: WU/Ops/TandD/Professional Services - General

\$0

\$0

\$325,001

\$0

\$1

\$1

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Design services for emergency generators housing structures at remote sites	Engineering design for structures at remote sites to protect portable emergency generators; emergency generator evaluation for SWTP -P.E.R. only Phase I (budget was moved to Engineering)			\$0				
Phase II of generator shelter design	Actual design services for remote site emergency generator and shelters							
Design services for Kilauea MCC replacement								
Design Services for old Admin Building Renovation	Preliminary Engineering Report and Assessment			\$0				
Baseyard Renovation	Preliminary Engineering Report and Assessment			\$275,000				
Medical Practitioner	Independent Medical Examiner - to examine employees with established patterns of sick leave abuse			\$1		\$1		\$1
Various MCC Refurbishments PER	Preliminary Engineering Report and Assessment			\$50,000				

TOTAL: WU/Ops/TandD/Other Services

\$993

\$640

\$2,000

\$294

\$2,000

\$662

\$2,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
One Call	One Call Center			\$2,000		\$2,000	\$662	\$2,000

TOTAL: WU/Ops/Power/Pump/Communication Services \$36,194 \$0 \$215 \$0

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Phone service for alarm circuits	24 circuits Budget Transferred to IT			\$0		\$0		\$0
Cell phones for standby personnel	26 phones (23 personnel, 3 for alarm surges) See IT Budget			\$0		\$0		\$0
DSL Service for employee to access SCADA from home	1 DSL Services - Budgeted in IT			\$0		\$0		\$0

TOTAL: WU/Ops/TandD/Rentals and Leases

\$69,831

\$4,713

\$70,000

\$38,903

\$50,000

\$10,408

\$50,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Construction equipment rentals.	Equipment rental. (e.g. excavator, roller, loader, scissor lift, boom lift, etc.)			\$70,000		\$50,000		\$50,000

TOTAL: WU/Ops/Power/Pump/Utility Services

\$2,563,016 \$2,588,761 \$2,700,000 \$2,556,208 \$2,700,000 \$1,809,745 \$2,700,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Pumping facility electricity	63 accounts			\$2,654,000		\$2,654,000		\$2,654,000
Tank sites and Garage Building electricity	25 Tank sites and one garage building.			\$46,000		\$46,000		\$46,000

TOTAL: WU/Ops/PandP/Repairs and Maintenance - Water System **\$8,292** **\$5,730** **\$50,000** **\$40,658** **\$50,000** **\$5,695** **\$40,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Pump replacement program	Including emergency pump replacement and repairs, ongoing program.			\$50,000		\$50,000		\$40,000

TOTAL: WU/Ops/TandD/Repairs and Maintenance - Water System **\$35,050 \$306,772 \$171,000 \$110,775 \$171,000 \$247,204 \$171,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Outside contractual services	Includes waste management, maintaining and repairing plant facilities, maintenance of facilities, maintenance of tunnel sources, alarm circuits.			\$20,000		\$20,000		\$20,000
SCADA System Integrator Consulting and Maintenance Contract (Annually)	Outside services - Islandwide SCADA control system remote site maintenance.			\$150,000		\$150,000		\$150,000
Easement 5-1-5:23	Annual Lease - Easement for booster pump station on Wailapa			\$1,000		\$1,000		\$1,000

TOTAL: WU/Ops/TandD/Repairs and Maintenance - Other than Water System **\$207,879** **\$103,933** **\$228,000** **\$73,912** **\$209,000** **\$63,887** **\$285,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Rehab and Restoration Services	Roadway rehab and repairs			\$75,000		\$55,000		\$55,000
Baseyard Parking Lot	Baseyard Parking Lot			\$0		\$0		\$0
Vehicle maintenance and service	Outside repair services and maintenance.			\$75,000		\$55,000		\$55,000
Debris and HazMat Disposal	Landfill and Off-Island disposal			\$20,000		\$20,000		\$20,000
Building Equipment Repairs	Building Equipment Repairs	\$0.00		\$10,000		\$10,000		\$10,000
A/C & Refrigerator Maintenance	A/C & Ref. Maint. For OPS Bldg., Microlab, New Admin Bldg., Old Admin Bldg.			\$40,000		\$40,000		\$40,000
Elevator Maintenance	Elevator Maint. For New Admin Bldg., & Microlab			\$5,000		\$5,000		\$5,000
Fire Protection	Fire Extinguishers			\$3,000		\$4,000		\$5,000
Alarm Service	Alarm Services and Maintenance					\$20,000		\$20,000
Offices	Operations offices							\$75,000

TOTAL: WU/Ops/Source/Operating Supplies

\$38,008

\$49,962

\$75,000

\$52,877

\$60,000

\$46,450

\$210,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Miscellaneous Rehab Projects	construction, maintenance and rehabilitation projects.			\$75,000		\$60,000		\$60,000
Sodium Hypochlorite on-site generation	Sodium Hypochlorite on--site generation							\$150,000

TOTAL: WU/Ops/Purification/Operating Supplies

\$34,245

\$48,115

\$78,000

\$115,070

\$101,000

\$40,982

\$91,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Sodium Hypochlorite and Chlorine Gas	Chemical supplies for disinfection			\$75,000		\$95,000		\$85,000
Soda Ash	pH control for source water.			\$3,000		\$6,000		\$6,000

TOTAL: WU/Ops/PandP/Operating Supplies

\$36,568

\$22,616

\$95,000

\$53,144

\$185,000

\$164,259

\$35,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Electrical parts and materials	Repair parts for plant electricians to maintain, repair, and operate electrical pumping plants, booster stations, buildings, and structures.			\$35,000		\$35,000		\$35,000
Sodium Hypochlorite on-site generation	Sodium Hypochlorite on-site generation (Moved to 10-40-30-563-000)			\$60,000		\$150,000		

TOTAL: WU/Ops/TandD/Operating Supplies

\$251,688

\$22,616

\$250,000

\$590,894

\$255,000

\$265,180

\$255,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Meter Parts	Repair parts and field testing equipment			\$15,000		\$15,000		\$15,000
Road repair supplies	Cold mix and other roadway patching materials			\$100,000		\$90,000		\$85,000
Traffic Safety Signs and Equipment	New safety and traffic control signs.			\$8,000		\$8,000		\$8,000
Safety Equipment	Cost of safety shoes, safety glasses, PUC exams, respiratory exams, uniform shirts, safety clothing, replacement tools, equipment as mandated and required by OSHA, and collective bargaining agreements. New tools and equipment for new maintenance worker crew			\$35,000		\$35,000		\$40,000
Miscellaneous expenditures	damages to property, and expenditures not classified elsewhere.			\$5,000		\$5,000		\$5,000
Operational materials, supplies, and accessories.	Repair and maintenance materials for plant buildings and structures, equipment parts, pest and weed control, small tool purchases and replacements, trench patching and road repairs. (\$50K budget under 102)			\$35,000		\$50,000		\$50,000
Vehicle parts and materials	Cost of repair and maintenance of motor vehicles and power operated equipment, parts, accessories, tires, tire repairs, safety checks, batteries, and oil. (\$50K budget under 102)			\$45,000		\$45,000		\$45,000
Operational Equipment less than \$5,000 per Board Policy No. 3, Item No. 4	Furnitures & Fixtures <\$5,000.			\$2,000		\$2,000		\$2,000
Operational Equipment less than \$5,000 per Board Policy No. 3, Item No. 4	Tools and Equipment <\$5,000. Includes but not limited to purchase of new computers			\$5,000		\$5,000		\$5,000

TOTAL: WU/Ops/PandP/Operating Supplies/Invty. Stock		\$1,857	\$6,580	\$15,000	\$0	\$15,000	\$11,873	\$15,000
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Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Electrical parts and materials	inventory Stock for repair parts for plant electricians to maintain, repair, and operate electrical pumping plants, booster stations, buildings, and structures.			\$15,000		\$15,000		\$15,000

TOTAL: WU/Ops/TandD/Operating Supplies/Invty. Stock

\$119,269

\$396,000

\$260,804

\$646,000

\$0

\$646,000

\$139,710

\$386,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Budget	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Small pipeline and service line replacement parts	Pipe and valves		\$37,000		\$37,000		\$37,000		\$37,000
Large inventory items	Large diameter pipe, valves, and other items in inventory		\$14,000		\$14,000		\$14,000		\$14,000
AMI Meter Pilot tests	XXX units @ \$250 each		\$0		\$250,000		\$250,000		\$0
New & Replacement- 5/8" meters	300 ea @ \$200		\$60,000		\$60,000		\$60,000		\$60,000
Replacement meters, all other sizes	65 others @ \$600		\$39,000		\$39,000		\$39,000		\$39,000
Replacement meter boxes and covers type b	100 ea @ \$85		\$8,000		\$8,000		\$8,000		\$8,000
Replacement meter boxes and covers type x	100 ea @ \$115		\$3,000		\$3,000		\$3,000		\$3,000
Hydrant replacement	Ongoing hydrant replacement program, as needed.		\$60,000		\$60,000		\$60,000		\$85,000
Stock Inventory Items	Warehouse inventory parts and materials. (\$150K budget under 102)		\$125,000		\$125,000		\$125,000		\$100,000
SCADA Replacement Parts Inventory	Inventory parts		\$50,000		\$50,000		\$50,000		\$40,000

TOTAL: WU/Ops/TandD/Fuel

\$82,695

\$81,993

\$115,500

\$101,324

\$115,500

\$83,216

\$122,500

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
diesel for utility fleet	16,000 gallons at \$3.50 per gallon; includes increase due to generator use			\$56,000		\$56,000		\$56,000
gasoline for utility fleet	16,000 gallons at \$3.50 per gallon; includes increase due to new vehicles			\$56,000		\$56,000		\$56,000
Non-ethanol fuel	fuel for small engines - 1000 gallons at \$3.50 per gallon			\$3,500		\$3,500		\$10,500

TOTAL: WU/Ops/Source/Bulk Water Purchase

\$1,009,005 \$1,639,634 \$1,810,176 \$1,255,770 \$1,816,176 \$1,157,354 \$1,820,176

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Princeville Utilities for Anini	24MG per Year x \$2.40 per thousand gallons plus \$148 per month standby charge			59,376.00		59,376.00		59,376.00
Princeville Tract Subdivision	0.7 MG per year X \$2.00 per thousand gallons plus \$6.11 per month for standby charge			\$1,900		\$1,900		\$1,900
Princeville Tank	1 MG per year X \$2.00 per thousand gallons plus \$230 per month standby charge			\$4,800		\$10,800		\$10,800
Plantation Road Tank	0.7 MG per year X \$2.00 per thousand gallons plus \$70 per month for standby charge			\$2,250		\$2,250		\$2,250
Grove Farm Water Purchase Agreement	2.5MGD @ 365 days @ \$2.00 per thousand gallons			\$1,733,750		\$1,733,750		\$1,733,750
Moloaa	0.7MG at \$1.44 per thousand gallons			\$1,000		\$1,000		\$5,000
Kalihiwai Bay Estate Water Association	1 mG @ \$5 per thousand gallons			\$5,000		\$5,000		\$5,000
Anahola Emergency Interconnection	Annual fee for interconnectoin			\$2,100		\$2,100		\$2,100
Contingency	Contingency - increasing cost			\$0		\$0		

TOTAL: WU/Ops/TandD/Training & Development

\$31,519

\$12,177

\$30,000

\$22,085

\$25,000

\$20,373

\$25,000

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Certification classes and trainings/workshops/conferences	Training & Development			\$30,000		\$25,000		\$25,000
Travel and Per Diem	Moved to GL acct. 572-010							

TOTAL: WU/Ops/TandD/Travel & Per Diem **\$3,980** **\$3,321** **\$6,000** **\$6,983** **\$6,000** **\$5,308** **\$6,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Operations Certification	AWWA, HWWA, HRWA, Pacific Water Conference and other conferences			\$3,000		\$3,000		\$3,000
	Travel & Per Diem (was under training & development)			\$3,000		\$3,000		\$3,000

TOTAL: WU/Ops/TandD/Meeting Expense

\$0

\$8,000

\$4,525

\$0

\$1,000

\$0

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Actual	FY 2018 - 2019 Budget	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Tapping Team Expenses	Travel, material, supplies and conference registration for AWWA tapping contest (Men/Women)			\$8,000		\$0	\$1,000	\$0

TOTAL: WU/Ops/Capital Outlay - R&R/Misc. Capital Purchases **\$418,234** **\$845,000** **\$151,172** **\$670,000** **\$722,596** **\$340,000** **\$305,102** **\$742,000**

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Budget	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
Mini-Excavator	Replace Skid Steer Loader		\$65,000						
Leak Detection Equipment	Replacing Outdated and Non-Functioning Loggers and Pipe Locators		\$55,000						
4x4 P/U truck with Accessories	Replacing 2007 CK1957 due to mileage		\$55,000						
Medium Duty P/U Truck with Utility Body	Replacing 2004 F450 (4x4) CK1785 due to mileage		\$220,000		\$110,000				
Generators Repair	Body repair work for existing generators				\$70,000				
Fuel Master	Replace Gas Boy				\$25,000				
Pump and Motor Replacement	Pump and Motor Replacement - on going program		\$300,000		\$300,000		\$300,000		\$300,000
Dump Truck	Replace CK2020 due to age and mileage		\$150,000		\$165,000				
2 trailers	Replace trailers						\$40,000		
4x4 P/U truck with Accessories	Replace CK2143 2011 Dodge RAM 1500								\$60,000
Generators	150 KVA Emergency Generator (2 each)								\$200,000
Skid Steer Loaders	Replace SSL-4 and SSL-5								\$182,000
Sewer Lift Station SCADA Control Panel	Replace existing lift station control panel								\$0

TOTAL: WU/Ops/Capital Outlay - Expansion/Misc. Capital Purchases \$71,469 \$500,000 \$9,872 \$328,000 \$530,497 \$475,000 \$91,031 \$18,200

Line Item	Notes	FY 2016 - 2017 Actual	FY 2017 - 2018 Budget	FY 2017 - 2018 Actual	FY 2018 - 2019 Proposed	FY 2018 - 2019 Actual	FY 2019 - 2020 Proposed	FY 2019 - 2020 Actual	FY 2020 - 2021 Proposed
6 tablets or laptops	6 Tablets for Remote Access to DOW Assets Information						\$15,000		
18' tilt deck trailer	trailer for tractor shredder						\$10,000		
Tractor/Shredder/Sprayer	Multi-purpose Equipment for Maintenance Workers						\$45,000		
4x4 P/U truck	Multi-purpose p/u w/hydraulic lift for new Utility Worker/Meter Mechanic/Water Service Inv						\$45,000		
Dump truck/trailer/excavator	Equipment for new Equipment Operator II						\$250,000		
F450 p/u w/utility body	work truck for new Maintenance Worker Crew						\$110,000		
F150 pickup with utility body	Water Service Leak Investigtor needs vehicle								
Leak Detection Equipment	Updated Equipment for Leak Detection								
Utility Cart with trailer or truck bed	Equipment for office personnel to transport transmittals and parcel deliveries. Protection from the elements				\$8,000				
4x4 P/U truck	service vehicle for Groundskeeper				\$30,000				
4x4 P/U truck	service vehicle for Field Superintendent				\$60,000				
Emergency Generators	Puupilo Booster-70KW; Nursery Booster-10KW; Baseyard-125KW; Wainiha Redwood-10KW				\$200,000				
Large Tools	Auto shop heavy duty post lift (15-18K lbs); tire Chager & tire Balancer				\$30,000				
Tanker Truck	Potable water tanker truck to supplement water delivery and road cleaning after repairs		\$200,000						
2-4x4 P/U Truck with Utility Body	Service Vehicles for Plant Electrician and Welder		\$140,000						
New 2-way and handheld radios	6 vehicular radios and 3 handheld								
Brake Equipment	Brake equipment for auto mechanics		\$15,000						
Brush mower	Mower attachment for mini-excavator with HI-Flow Kit		\$65,000						
Compressor	Trailer mounted compressor		\$30,000						
Light tower	2-trailer mounted light tower		\$50,000						
Inventory Scanners includes Programming and Implementation									\$18,200

Department of Water
County of Kauai
FY 2020-2021

Pos #	Position Title	Grade/Step	FY 2020-2021		FY 2020-2021		7.65%	24.00%	Health Benefits	
			Salaries		Proposed Salaries (ATB 3.5%-No Contract / Vacancy Funding)	FICA	ERS	Type	as of 01/2019	Year Projected
E-19	Manager & Chief Engineer	19	\$ 137,022.00	50%	\$ 68,511.00	\$ 5,241.09	\$ 16,442.64	2	\$ 863.54	\$ 10,362.48
E-30	Deputy Manager-Engineer	5	\$ 123,318.00	50%	\$ 61,659.00	\$ 4,716.91	\$ 14,798.16	2	\$ 863.54	\$ 10,362.48
2350	Civil Engineer VII	EM-7	\$ 157,260.00	25%	\$ 39,315.00	\$ 3,007.60	\$ 9,435.60	2	\$ 863.54	\$ 2,590.62
2479	Senior Clerk	SR-10 C	\$ 34,608.00	100%	\$ 34,608.00	\$ 2,647.51	\$ 8,305.92	2	\$ 863.54	\$ 10,362.48
2354	Secretary	SR-16 C	\$ 44,058.00	50%	\$ 22,029.00	\$ 1,685.22	\$ 5,286.96	2	\$ 863.54	\$ 10,362.48
5			\$ 496,266.00		\$ 226,122.00	\$ 17,298.33	\$ 54,269.28		\$ 4,317.70	\$ 44,040.54
2475	Information Technology Specialist III	SR-24 F	\$ 70,626.00	75%	\$ 54,823.50	\$ 4,194.00	\$ 13,157.64	F	\$ 1,116.40	\$ 13,396.80
2485	Waterworks Information Technology Manager	EM-03	\$ 138,354.00	75%	\$ 103,765.50	\$ 7,938.06	\$ 24,903.72	2	\$ 863.54	\$ 10,362.48
2615	Information Technology Specialist III	SR-24 C	\$ 62,886.00	75%	\$ 47,164.50	\$ 3,608.08	\$ 11,319.48	2	\$ 863.54	\$ 10,362.48
3			\$ 271,866.00		\$ 205,753.50	\$ 15,740.14	\$ 49,380.84		\$ 2,843.48	\$ 34,121.76
2468	Civil Engineer V	SR-26 L	\$ 98,190.00	100%	\$ 101,627.00	\$ 7,774.47	\$ 24,390.48	F	\$ 1,116.40	\$ 13,396.80
2358	Civil Engineer V	SR-26 K	\$ 92,718.00	0%	\$ -	\$ -	\$ -			\$ -
2458	Civil Engineer II	SR-20 C	\$ 51,774.00	75%	\$ 38,830.50	\$ 2,970.53	\$ 9,319.32	2	\$ 863.54	\$ 10,362.48
2			\$ 242,682.00		\$ 140,457.50	\$ 10,745.00	\$ 33,709.80		\$ 1,979.94	\$ 23,759.28
2355	Civil Engineer V	SR-26 L	\$ 96,402.00	100%	\$ 96,402.00	\$ 7,374.75	\$ 23,136.48	2	\$ 863.54	\$ 10,362.48
1			\$ 96,402.00		\$ 96,402.00	\$ 7,374.75	\$ 23,136.48		\$ 863.54	\$ 10,362.48
2352	Engineering Drafting Technician III	SR-19	\$ 49,182.00	75%	\$ 36,886.50	\$ 2,821.82	\$ 8,852.76	2	\$ 863.54	\$ 7,771.86
2360	Civil Engineer II	SR-20 H	\$ 62,886.00	50%	\$ 31,443.00	\$ 2,405.39	\$ 7,546.32	2	\$ 863.54	\$ 5,181.24
2494	Civil Engineer I	SR-18 C	\$ 47,946.00	50%	\$ 23,973.00	\$ 1,833.93	\$ 5,753.52	2	\$ 863.54	\$ 5,181.24
3			\$ 160,014.00		\$ 92,302.50	\$ 7,061.14	\$ 22,152.60		\$ 2,590.62	\$ 18,134.34
2605	Customer Service Representative I	SR-11 B	\$ 35,952.00	100%	\$ 35,952.00	\$ 2,750.33	\$ 8,628.48	2	\$ 863.54	\$ 10,362.48
2498	Accountant II	SR-20 C	\$ 51,774.00	100%	\$ 51,774.00	\$ 3,960.71	\$ 12,425.76	2	\$ 863.54	\$ 10,363.48
2			\$ 87,726.00		\$ 87,726.00	\$ 6,711.04	\$ 21,054.24		\$ 1,727.08	\$ 20,725.96
2619	Assistant Waterworks Controller	EM-3	\$ 76,618.50	100%	\$ 79,300.00	\$ 6,066.45	\$ 19,032.00	2	\$ 863.54	\$ 10,362.48
1			\$ 76,618.50		\$ 79,300.00	\$ 6,066.45	\$ 19,032.00		\$ 863.54	\$ 10,362.48
1			\$ 164,344.50		\$ 167,026.00	\$ 12,777.49	\$ 40,086.24		\$ 2,590.62	\$ 31,088.44
2401	Construction & Maintenance Worker I	BC-09	\$ 57,972.00	50%	\$ 28,986.00	\$ 2,217.43	\$ 6,956.64	2	\$ 863.54	\$ 5,181.24
2611	Maintenance Worker I	BC-09	\$ 57,972.00	50%	\$ 28,986.00	\$ 2,217.43	\$ 6,956.64	2	\$ 863.54	\$ 5,181.24
2			\$ 115,944.00		\$ 57,972.00	\$ 4,434.86	\$ 13,913.28		\$ 1,727.08	\$ 10,362.48
2461	Water Plant Operator I	BC-11	\$ 62,376.00	25%	\$ 15,594.00	\$ 1,192.94	\$ 3,742.56	2	\$ 863.54	\$ 2,590.62
2312	Assistant Water Plant Operator	BC-05	\$ 48,096.00	75%	\$ 36,072.00	\$ 2,759.51	\$ 8,657.28	-	\$ -	\$ -
2			\$ 110,472.00		\$ 51,666.00	\$ 3,952.45	\$ 12,399.84		\$ 863.54	\$ 2,590.62
2457	Plant Electrician	BC-11	\$ 62,376.00	8%	\$ 5,195.92	\$ 397.49	\$ 1,247.02	2	\$ 863.54	\$ 863.19
1			\$ 62,376.00		\$ 5,195.92	\$ 397.49	\$ 1,247.02		\$ 863.54	\$ 863.19
2602	Senior Account Clerk	SR-13 C	\$ 38,880.00	100%	\$ 38,880.00	\$ 2,974.32	\$ 9,331.20	2	\$ 863.54	\$ 10,362.48
2418	Pipefitter	BC-09	\$ 57,972.00	75%	\$ 43,479.00	\$ 3,326.14	\$ 10,434.96	2	\$ 863.54	\$ 7,771.86

2618	Repair Shop Supervisor	FII-11	\$ 75,822.00	50%	\$ 37,911.00	\$ 2,900.19	\$ 9,098.64	2	\$ 863.54	\$ 5,181.24
2614	Automotive Mechanic I	BC-10	\$ 60,168.00	0%	\$ 1.00	\$ 0.08	\$ 0.24			\$ -
2617	Water Service Investigator III	SR-16 L	\$ 62,232.00	50%	\$ 31,116.00	\$ 2,380.37	\$ 7,467.84	2	\$ 863.54	\$ 5,181.24
2616	Lead Water Meter Mechanic	WS-09	\$ 61,536.00	50%	\$ 30,768.00	\$ 2,353.75	\$ 7,384.32	2	\$ 863.54	\$ 5,181.24
2439	Equipment Operator II	BC-09	\$ 57,972.00	100%	\$ 57,972.00	\$ 4,434.86	\$ 13,913.28	2	\$ 863.54	\$ 10,362.48
2612	Utility Worker	BC-05	\$ 48,096.00	50%	\$ 24,048.00	\$ 1,839.67	\$ 5,771.52	2	\$ 863.54	\$ 5,181.24
NEW	Mechanic Helper	BC-05	\$ 48,096.00	0%	\$ 1.00	\$ 0.08	\$ 0.24			\$ -
NEW	Automotive Stores Clerk	SR-10 B	\$ 34,608.00	0%	\$ 1.00	\$ 0.08	\$ 0.24			\$ -
14			\$ 545,382.00		\$ 264,177.00	\$ 20,209.54	\$ 63,402.48		\$ 6,044.78	\$ 49,221.78
			\$ 834,174.00		\$ 379,010.92	\$ 28,994.34	\$ 90,962.62		\$ 9,498.94	\$ 63,038.07
			2,265,748.50	-	1,307,074.42	99,991.19	313,697.86	-	24,684.84	224,544.91

**Proposed Salaries and Wages
FY 2019 - 2020**

<u>Account</u>	<u>Description</u>	<u>FY 2016 - 2017</u>	<u>FY 2017 - 2018</u>	<u>FY 2018 - 2019</u>	<u>FY 2019-2020</u>	<u>FY 2019 - 2020</u>	<u>FY 2020-2021</u>
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Proposed Budget</u>
Water Utility Fund							
ADMIN							
		901,816.04	950,272.63	1,040,377.49	1,415,946.49	507,465.24	1,378,969.92
10-01-10-510-010	WU/Admin/Admin/Salaries and Wages	561,707.14	614,324.00	655,545.19	871,128.00	348,638.31	827,571.00
10-01-10-510-015	WU/Admin/Admin/Salaries and Wages - Other				45,000.00		45,000.00
10-01-10-510-020	WU/Admin/Admin/Temporary Assignment	2,845.29	10,814.09	9,394.98	2,000.00	2,502.20	2,000.00
10-01-10-510-030	WU/Admin/Admin/Overtime	38,213.87	23,340.03	24,218.60	30,000.00	20,842.46	30,000.00
10-01-10-510-040	WU/Admin/Admin/Standby Pay	390.40			-		-
10-01-10-520-040	WU/Admin/Admin/Compensated Annual leave				90,000.00		90,000.00
10-01-10-520-040	WU/Admin/Admin/Compensated CT				10,000.00		10,000.00
10-01-10-530-010	WU/Admin/Admin/FICA Taxes	42,472.85	49,319.20	49,371.14	80,182.00	26,897.42	76,849.68
10-01-10-530-020	WU/Admin/Admin/Retirement Contributions	208,649.35	211,494.08	247,866.36	220,688.06	79,500.32	230,297.04
10-01-10-530-030	WU/Admin/Admin/Life and Health Insurance	47,537.14	40,981.23	53,981.22	66,949.12	29,084.53	67,252.20
I.T.							
		315,235.20	359,163.89	356,499.18	334,668.51	120,348.05	388,033.95
10-02-10-510-010	WU/IT/Admin/Salaries and Wages	160,361.59	194,141.00	193,677.00	214,258.00	63,235.23	244,633.50
10-02-10-510-020	WU/IT/Admin/Temporary Assignment	1,105.38	221.20	2,365.42	500.00	8,828.63	500.00
10-02-10-510-030	WU/IT/Admin/Overtime	48,773.82	44,621.74	33,358.14	30,000.00	15,104.05	30,000.00
10-02-10-510-040	WU/IT/Admin/Standby Pay				-		-
10-02-10-530-010	WU/IT/Admin/FICA Taxes	15,046.33	17,843.61	20,666.00	18,724.00	5,839.52	21,047.71
10-02-10-530-020	WU/IT/Admin/Retirement Contributions	77,651.55	90,218.03	90,206.48	53,847.00	17,399.26	66,032.04
10-02-10-530-030	WU/IT/Admin/Life and Health Insurance	12,296.53	12,118.31	16,226.14	17,340.00	9,941.36	25,820.70
WATER QUALITY							
		326,727.21	342,611.08	353,902.94	328,486.42	180,100.09	351,836.82
10-10-40-510-010	WU/QualPurif/Admin/Salaries and Wages	216,662.76	227,789.00	235,475.50	241,893.00	130,352.54	254,442.00
10-10-40-510-020	WU/QualPurif/Admin/Temporary Assignment	1,414.87	869.67	1,104.56	1,500.00	944.12	1,500.00
10-10-40-510-030	WU/QualPurif/Admin/Overtime	1,397.81	269.56	207.01	2,000.00	3,758.54	3,000.00
10-10-40-510-040	WU/QualPurif/Admin/Standby Pay						
10-10-40-530-010	WU/QualPurif/Admin/FICA Taxes	15,903.48	17,032.57	17,640.01	18,772.56	9,871.00	19,809.06
10-10-40-530-020	WU/QualPurif/Admin/Retirement Contributions	81,032.93	86,846.90	88,967.92	53,986.46	29,167.89	62,146.08
10-10-40-530-030	WU/QualPurif/Admin/Life and Health Insurance	10,315.36	9,803.38	10,507.94	10,334.40	6,006.00	10,939.68
ENGINEERING							
		407,261.81	381,265.81	321,314.07	510,008.24	166,367.14	406,038.92
10-20-10-510-010	WU/Eng/Admin/Salaries and Wages	243,947.20	229,591.00	195,245.50	358,838.00	113,951.77	280,944.70
10-20-10-510-020	WU/Eng/Admin/Temporary Assignment	4,218.18	6,008.52	6,705.13	8,500.00	861.31	1,000.00
10-20-10-510-030	WU/Eng/Admin/Overtime	23,766.51	18,322.22	8,087.88	10,000.00	3,595.46	10,000.00
10-20-10-510-040	WU/Eng/Admin/Standby Pay						
10-20-10-530-010	WU/Eng/Admin/FICA Taxes	19,670.48	18,751.22	15,553.35	28,866.36	9,237.94	22,333.77
10-20-10-530-020	WU/Eng/Admin/Retirement Contributions	95,413.03	90,700.06	78,870.86	83,014.36	27,768.23	70,066.73
10-20-10-530-030	WU/Eng/Admin/Life and Health Insurance	20,246.41	17,892.79	16,851.35	20,789.52	10,952.43	21,693.72

Account	Description	FY 2016 - 2017	FY 2017 - 2018	FY 2018 - 2019	FY 2019-2020	FY 2019 - 2020	FY 2020-2021
		Actual	Actual	Actual	Budget	Actual	Proposed Budget
CONSTRUCTION MANAGEMENT		528,520.74	512,244.52	579,089.08	1,031,848.57	327,020.06	833,332.83
10-21-10-510-010	WU/Const/Admin/Salaries and Wages	344,275.35	323,479.00	364,816.96	718,049.00	231,346.00	574,282.00
10-21-10-510-020	WU/Cons/Admin/Temporary Assignment		1,081.40	-	5,000.00		2,000.00
10-21-10-510-030	WU/Cons/Admin/Overtime	14,374.69	8,770.22	10,831.53	25,000.00	3,336.44	15,000.00
10-21-10-510-040	WU/Cons/Admin/Standby Pay						
10-21-10-530-010	WU/Cons/Admin/FICA Taxes	25,929.62	24,298.69	27,351.52	57,225.75	17,444.91	45,233.07
10-21-10-530-020	WU/Cons/Admin/Retirement Contributions	129,751.38	123,801.47	139,428.87	164,570.78	52,111.62	141,907.68
10-21-10-530-030	WU/Cons/Admin/Life and Health Insurance	14,189.70	30,813.74	36,660.20	62,003.04	22,781.09	54,910.08
WRP		677,803.00	720,596.91	748,438.84	781,812.96	396,998.18	806,472.02
10-22-10-510-010	WU/Wrp/Admin/Salaries and Wages	425,186.07	448,385.00	462,861.00	536,606.00	248,273.80	536,417.00
10-22-10-510-020	WU/Wrp/Admin/Temporary Assignment	824.80	1,533.99	5,645.97	5,000.00	3,266.85	5,000.00
10-22-10-510-030	WU/Wrp/Admin/Overtime	9,951.78	13,708.04	12,015.69	15,000.00	31,474.02	15,000.00
10-22-10-510-040	WU/Wrp/Admin/Standby Pay						
10-22-10-530-010	WU/Wrp/Admin/FICA Taxes	29,733.29	32,782.50	33,338.14	42,580.36	19,590.16	42,565.90
10-22-10-530-020	WU/Wrp/Admin/Retirement Contributions	162,516.79	173,924.57	178,814.59	122,453.32	62,832.73	133,540.08
10-22-10-530-030	WU/Wrp/Admin/Life and Health Insurance	49,590.27	50,262.81	55,763.45	60,173.28	31,560.62	73,949.04
FISCAL-BILLING		791,742.13	802,644.47	807,338.15	835,985.00	340,523.95	874,872.56
10-30-20-510-010	WU/Bill/Colln/Salaries and Wages	461,919.77	477,987.00	458,705.48	542,886.00	212,066.85	551,856.00
10-30-20-510-020	WU/Bill/Colln/Temporary Assignment	5,227.33	3,358.28	5,554.43	5,000.00	6,809.92	5,000.00
10-30-20-510-030	WU/Bill/Colln/Overtime	62,631.46	53,149.91	65,849.87	60,000.00	29,839.56	60,000.00
10-30-20-510-040	WU/Bill/Colln/Standby Pay				-		-
10-30-20-530-010	WU/Bill/Colln/FICA Taxes	37,253.29	37,160.41	39,088.98	46,503.28	17,642.36	47,189.48
10-30-20-530-020	WU/Bill/Colln/Retirement Contributions	190,998.54	196,161.19	193,936.57	133,734.92	54,535.22	148,045.44
10-30-20-530-030	WU/Bill/Colln/Life and Health Insurance	33,711.74	34,827.68	44,202.82	47,860.80	22,533.09	62,781.64
FISCAL - ACCOUNTING		746,732.18	761,442.47	779,374.74	795,850.72	398,459.00	949,298.79
10-31-10-510-010	WU/Acctg/Admin/Salaries and Wages	406,898.03	447,502.00	454,216.14	506,989.00	250,920.10	612,757.00
10-31-10-510-020	WU/Acctg/Admin/Temporary Assignment	4,382.88	4,033.92	9,089.62	10,000.00	5,023.57	10,000.00
10-31-10-510-030	WU/Acctg/Admin/Overtime	79,401.27	51,231.33	49,115.51	60,000.00	35,391.74	60,000.00
10-31-10-510-040	WU/Acctg/Admin/Standby Pay				-		-
10-31-10-530-010	WU/Acctg/Admin/FICA Taxes	34,451.42	36,268.62	39,291.42	44,139.66	21,462.74	52,230.91
10-31-10-530-020	WU/Acctg/Admin/Retirement Contributions	177,864.49	181,912.05	187,296.47	126,937.58	62,722.35	163,861.68
10-31-10-530-030	WU/Acctg/Admin/Life and Health Insurance	43,734.09	40,494.55	40,365.58	47,784.48	22,938.50	50,449.20
OPS - PLANT - SOURCE		396,368.60	520,008.41	480,829.60	590,112.12	277,539.22	653,770.21
10-40-30-510-010	WU//Ops/Source/Salaries and Wages	248,044.91	321,729.00	301,732.04	418,864.00	198,755.00	464,124.00
10-40-30-510-020	WU/Ops/Source/Temporary Assignment	983.17	2,891.59	6,506.20	3,000.00	1,724.31	3,000.00
10-40-30-510-030	WU/Ops/Source/Overtime	5,446.70	11080.95	3711.35	6,000.00	1553.99	6,000.00
10-40-30-510-040	WU/Ops/Source/Standby Pay						
10-40-30-530-010	WU/Ops/Source/FICA Taxes	16,976.31	23,030.54	22,090.52	32,731.60	14,475.73	36,193.99
10-40-30-530-020	WU/Ops/Source/Retirement Contributions	93,802.91	124,873.05	116,475.00	94,130.08	44,686.34	113,549.76
10-40-30-530-030	WU/Ops/Source/Life and Health Insurance	31,114.60	36,403.28	30,314.49	35,386.44	16,343.85	30,902.46

Account	Description	FY 2016 - 2017	FY 2017 - 2018	FY 2018 - 2019	FY 2019-2020	FY 2019 - 2020	FY 2020-2021
		Actual	Actual	Actual	Budget	Actual	Proposed Budget
OPS - PLANT - PURIFICATION		366,519.49	338,533.98	290,438.90	346,752.41	169,238.24	439,121.42
10-40-40-510-010	WU/Ops/Purification/Salaries and Wages	185,999.05	187,861.00	143,359.68	\$ 216,457.00	93,894.50	\$ 273,786.00
10-40-40-510-020	WU/Ops/Purification/Temporary Assignment	1,295.98	885.27	2,088.56	1,500.00	3,414.47	1,500.00
10-40-40-510-030	WU/Ops/Purification/Overtime	40,341.47	27,233.46	35,655.27	30,000.00	25,051.01	30,000.00
10-40-40-510-040	WU/Ops/Purification/Standby Pay	9,691.64	8,826.60	8,338.32	10,000.00	4,556.24	10,000.00
10-40-40-530-010	WU/Ops/Purification/FICA Taxes	18,410.88	16,763.05	14,514.35	19,733.71	9,454.15	24,119.38
10-40-40-530-020	WU/Ops/Purification/Retirement Contributions	97,591.10	86,107.24	77,297.04	56,750.54	27,818.80	75,668.64
10-40-40-530-030	WU/Ops/Purification/Life and Health Insurance	13,189.37	10,857.36	9,185.68	12,311.16	5,049.07	24,047.40
OPS - PLANT - POWER & PUMPING		273,200.64	289,952.07	317,751.28	300,746.05	166,143.66	301,639.86
10-40-50-510-010	WU/Ops/PnP/Salaries and Wages	164,471.07	177,370.00	187,056.00	\$ 205,006.96	104,720.50	\$ 202,211.92
10-40-50-510-020	WU/Ops/PnP/Temporary Assignment	2,089.78	3,865.90	5,769.80	4,000.00	1,882.32	4,000.00
10-40-50-510-030	WU/Ops/PnP/Overtime	11,769.64	8,533.74	15,224.32	8,000.00	13,774.51	8,000.00
10-40-50-510-040	WU/Ops/PnP/Standby Pay						
10-40-50-530-010	WU/Ops/PnP/FICA Taxes	12,093.11	13,213.34	14,806.54	16,601.03	8,716.97	16,387.21
10-40-50-530-020	WU/Ops/PnP/Retirement Contributions	64,477.71	69,549.98	76,561.95	47,741.53	26,577.60	51,410.86
10-40-50-530-030	WU/Ops/PnP/Life and Health Insurance	18,299.33	17,419.11	18,332.67	19,396.52	10,471.76	19,629.86
OPS - FIELD - TandD		3,147,051.63	3,068,716.09	3,206,815.68	3,594,239.36	1,613,098.78	3,665,471.70
10-40-60-510-010	WU/Ops/TnD/Salaries and Wages	1,515,887.78	1,593,799.00	1,676,458.90	2,189,736.00	921,744.88	2,179,850.50
10-40-60-510-020	WU/Ops/TnD/Temporary Assignment	17,536.58	19,864.56	32,346.36	25,000.00	15,394.77	25,000.00
10-40-60-510-030	WU/Ops/TnD/Overtime	243,254.53	230,811.55	239,382.82	210,000.00	144,385.40	210,000.00
10-40-60-510-040	WU/Ops/TnD/Standby Pay	172,110.24	187,515.12	183,787.68	185,000.00	106,122.22	185,000.00
10-40-60-530-010	WU/Ops/TnD/FICA Taxes	136,584.49	144,652.30	153,422.70	199,644.80	86,702.34	198,888.56
10-40-60-530-020	WU/Ops/TnD/Retirement Contributions	889,969.14	722,391.20	736,571.55	574,141.92	236,677.77	623,964.12
10-40-60-530-030	WU/Ops/TnD/Life and Health Insurance	171,708.87	169,682.36	184,845.67	210,716.64	102,071.40	242,768.52
GRAND TOTALS		8,878,978.67	3,880,073.66	3,880,073.66	10,866,456.84	3,880,073.66	11,048,859.01
10-01-10-510-010	WU/Admin/Admin/Salaries and Wages	4,935,360.72	5,243,957.00	5,329,149.39	7,065,710.51	2,917,899.48	7,047,875.62
10-01-10-510-020	WU/Admin/Admin/Temporary Assignment	41,924.24	55,428.39	86,571.03	71,000.00	50,652.47	60,500.00
10-01-10-510-030	WU/Admin/Admin/Overtime	579,323.55	491,072.75	497,657.99	486,000.00	328,107.18	477,000.00
10-01-10-510-040	WU/Admin/Admin/Standby Pay	182,192.28	196,341.72	192,126.00	195,000.00	110,678.46	195,000.00
10-01-10-520-010	WU/Admin/Admin/Compensated Annual leave	-	-	-	90,000.00	-	90,000.00
10-01-10-520-030	WU/Admin/Admin/Compensated CT	-	-	-	10,000.00	-	10,000.00
10-01-10-530-010	WU/Admin/Admin/FICA Taxes	404,525.55	431,116.05	447,134.67	605,704.85	247,335.24	602,848.73
10-01-10-530-020	WU/Admin/Admin/Retirement Contributions	2,269,718.92	2,157,979.82	2,212,293.66	1,731,996.31	721,798.13	1,880,490.15
10-01-10-530-030	WU/Admin/Admin/Life and Health Insurance	465,933.41	471,556.60	517,237.21	611,045.16	289,733.70	685,144.50
Budget Increase					1,118,740.85		182,402.17

Fund Balance Projections (1)

Revised Fund Balance Projections								
Option 1	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Cash, Investments & Receivables as of 4/30/2020	\$51,386,502	\$5,200,000	\$4,100,000	\$0	\$1,995,579	\$9,921,425	\$0	\$72,603,506
Encumbrances - PO & Contracts (-)	\$15,683,887	\$0	\$0		\$1,309,924	\$3,738,063	\$0	\$20,731,873
Current Liabilities, excluding Debt (-)	\$3,980,097							\$3,980,097
Estimated Available Resources for Budget Appropriation - 7/1/20	\$31,722,518	\$5,200,000	\$4,100,000	\$0	\$685,655	\$6,183,362	\$0	\$47,891,535
Revenues	\$34,606,164	\$0	\$0		\$640,291	\$35,000	\$0	\$35,281,455
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$66,328,682	\$5,200,000	\$4,100,000	\$0	\$1,325,946	\$6,218,362	\$0	\$83,172,991
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	\$9,071,340	\$5,200,000	\$4,100,000	\$0	\$650,946	\$218,362	\$0	\$19,240,649
Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.								

Fund Balance Projections (2)

Revised Fund Balance Projections								
Option 2	Water Utility General Fund	Water Utility Emergency Reserve	Water Utility Debt Reserve	WURF (30% of Previous Years' Last Audited Operating Revenue)	**Facility Reserve Charge Fund	Bond Fund	State Revolving Fund	TOTAL
Cash, Investments & Receivables as of 4/30/2020	\$51,386,502	\$5,200,000	\$4,100,000	\$0	\$1,995,579	\$9,921,425	\$0	\$72,603,506
Encumbrances - PO & Contracts (-)	\$15,683,887	\$0	\$0		\$1,309,924	\$3,738,063	\$0	\$20,731,873
Current Liabilities, excluding Debt (-)	\$3,980,097							\$3,980,097
Estimated Available Resources for Budget Appropriation - 7/1/20	\$31,722,518	\$5,200,000	\$4,100,000	\$0	\$685,655	\$6,183,362	\$0	\$47,891,535
Revenues	\$31,563,000	\$0	\$0		\$640,291	\$35,000	\$0	\$32,238,291
Non- Revenue Cash - Inflow	\$0						\$0	\$0
Transfers In	\$0	\$0	\$0			\$0	\$0	\$0
Transfers (Out)		\$0	\$0			\$0		\$0
Adjusted Balance	\$63,285,518	\$5,200,000	\$4,100,000	\$0	\$1,325,946	\$6,218,362	\$0	\$80,129,826
Operating Expenses	\$28,836,601	\$0	\$0		\$0	\$0	\$0	\$28,836,601
Short Term Debt - Principal Repayment	\$5,160,541	\$0	\$0		\$0			\$5,160,541
Miscellaneous Capital Purchases - TFFE	\$1,625,200	\$0	\$0					\$1,625,200
New Capital Outlay - CIP	\$21,635,000				\$675,000	\$6,000,000	\$0	\$28,310,000
Supplemental Budget # 1								\$0
Interfund Transfer								\$0
Estimated Ending Balance - 6/30/21	\$6,028,176	\$5,200,000	\$4,100,000	\$0	\$650,946	\$218,362	\$0	\$16,197,484
Note 1: FRC fund balance is not sufficient to fund the Proposed Capital Outlay - Expansion Projects. An Interfund transfer through a Manager's Report will be required in order to proceed with any of the FRC Capital Outlay - Expansion projects.								

Revenue Summary

Revised Revenue Projections

		FY 2017-2018 Actual	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Proposed (option 1)	FY 2020-2021 Proposed (Option 2)
REVENUES							
Water Utility Fund		\$30,832,569	\$36,894,780	\$34,762,769	\$24,466,328	\$34,606,164	\$31,563,000
10-00-00-400-000	Water Sales	\$27,910,121	\$27,959,468	\$26,929,850	\$20,542,034	\$26,036,652	\$22,993,488
10-00-00-405-000	Revenue from Public Fire Protection	\$2,136,510	\$2,174,298	\$2,136,510	\$1,630,724	\$2,174,298	\$2,174,298
10-00-00-410-000	Other Water Revenue	\$395,067	\$348,905	\$250,000	\$133,537	\$300,000	\$300,000
10-00-00-430-000	Federal Grants (FEMA)	\$0	\$32,228	\$828,535	\$0	\$828,535	\$828,535
10-00-00-432-000	State Grants	\$0	\$3,754,453	\$3,800,000	\$1,350,364	\$4,500,000	\$4,500,000
10-00-00-440-000	Capital Contributions - Cash Receipts	\$604,085	\$586,575	\$611,874	\$438,912	\$560,679	\$560,679
10-00-00-440-010	Capital Contributions - Non - Cash Receipts	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	-\$807,073	\$1,150,866	\$0	\$0	\$0	\$0
10-00-00-461-000	Investment Income	\$567,364	\$812,034	\$200,000	\$367,216	\$200,000	\$200,000
10-00-00-470-000	Gain or Loss on Disposal of Capital Assets	\$18,554	\$0	\$5,000	\$0	\$5,000	\$5,000
10-00-00-480-000	Gain or Loss from the Retirement of Debt	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-490-000	Miscellaneous Revenues	\$7,940	\$75,953	\$1,000	\$3,541	\$1,000	\$1,000
Water Utility Fund Bond and Loan Proceeds		\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-498-300	WU Bond Proceeds	\$0	\$0	\$0	\$0	\$0	\$0
10-00-00-499-600	WU/ Loan Proceeds - SRF Loan	\$0	\$0	\$0	\$0	\$0	\$0
FRC Fund		\$1,093,629	\$696,519	\$662,232	\$1,057,131	\$640,291	\$640,291
20-00-00-424-000	Facility Reserve Charge	\$834,735	\$437,130	\$400,000	\$869,000	\$400,000	\$400,000
20-00-00-430-000	Federal Grants	\$258,894	\$259,389	\$262,232	\$188,131	\$240,291	\$240,291
20-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	\$0	\$0	\$0	\$0	\$0	\$0
20-00-00-461-000	Investment Income	\$0	\$0	\$0	\$0	\$0	\$0
Bond Fund		\$151,726	\$225,696	\$35,000	\$206,070	\$35,000	\$35,000
30-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	-\$104,183	-\$13,847	-\$30,000	\$99,385	-\$30,000	-\$30,000
30-00-00-461-000	Investment Income (Net of custodial fees & other investment cost)	\$255,909	\$239,543	\$65,000	\$106,684	\$65,000	\$65,000
SRF Fund		\$0	\$0	\$0	\$0	\$0	\$0
60-00-00-430-000	SRF - Federal Grants	\$0	\$0	\$0	\$0	\$0	\$0
60-00-00-453-000	Net Increase / Decrease in Fair Value of Investments	\$0	\$0	\$0	\$0	\$0	\$0

REVENUES - REVISED WORKSHEETS

Account	Description	FY 2017-2018 Actual	FY 2018-2019 Budget	FY 2018-2019 Actual	FY 2019-2020 Budget	FY 2019-2020 YTD Actual	FY 2020-2021 Projected Revenues (option 1)	FY 2020-2021 Projected Revenues (option 2)
Water Utility Fund		\$ 30,832,569	\$ 40,348,139	\$ 36,894,780	\$ 34,762,769	\$ 27,510,216	\$ 34,606,164	\$ 31,563,000
10-00-00-400-000	WU/Water Sales	\$ 27,910,121	\$ 29,354,767	\$ 27,959,468	\$ 26,929,850	\$ 23,316,376	\$ 26,036,652	\$ 22,993,488
10-00-00-405-000	WU/Revenue from Public Fire Protection	\$ 2,136,510	\$ 2,133,294	\$ 2,174,298	\$ 2,136,510	\$ 1,811,915	\$ 2,174,298	\$ 2,174,298
10-00-00-410-000	WU/Other Water Revenue	\$ 395,067	\$ 250,000	\$ 348,905	\$ 250,000	\$ 134,144	\$ 300,000	\$ 300,000
10-00-00-430-000	WU/Federal Grants (FEMA)		\$ -	\$ 32,228	\$ 828,535		\$ 828,535	\$ 828,535
10-00-00-432-000	WU/State Grants		\$ 7,869,595	\$ 3,754,453	\$ 3,800,000	\$ 1,350,364	\$ 4,500,000	\$ 4,500,000
10-00-00-440-000	WU/Capital Contributions - Cash Receipts	\$ 604,085	\$ 634,482	\$ 586,575	\$ 611,874	\$ 487,686	\$ 560,679	\$ 560,679
10-00-00-440-010	WU/Capital Contributions - Non - Cash receipts		\$ -		\$ -		\$ -	
10-00-00-453-000	WU/Net Increase in Fair Value of Investments	\$ (807,073)	\$ -	\$ 1,150,866	\$ -	\$ -	\$ -	
10-00-00-461-000	WU/Investment Income	\$ 567,364	\$ 100,000	\$ 812,034	\$ 200,000	\$ 406,190	\$ 200,000	\$ 200,000
10-00-00-470-000	WU/Gain or Loss on Disposal of Capital Assets	\$ 18,554	\$ 5,000		\$ 5,000		\$ 5,000	\$ 5,000
10-00-00-480-000	WU/Gain or Loss from the Retirement of Debt		\$ -		\$ -		\$ -	\$ -
10-00-00-490-000	WU/Miscellaneous Revenues	\$ 7,940	\$ 1,000	\$ 75,953	\$ 1,000	\$ 3,541	\$ 1,000	\$ 1,000
Non-Revenue Cash Inflow			\$ -		\$ -		\$ -	\$ -
10-00-00-498-300	WU/Bond Proceeds - BAB		\$ -		\$ -		\$ -	\$ -
10-00-00-499-600	WU/Loan Proceeds - SRF Loan		\$ -		\$ -		\$ -	\$ -
FRC Fund		\$ 1,093,629	\$ 671,921	\$ 696,519	\$ 662,232	\$ 1,103,849	\$ 640,291	\$ 640,291
20-00-00-424-000	FRC/Facility Reserve Charge	\$ 834,735	\$ 400,000	\$ 437,130	\$ 400,000	\$ 895,815	\$ 400,000	\$ 400,000
20-00-00-440-000	WU/Capital Contributions - Cash Receipts (BAB Subsidy)	\$ 258,894	\$ 271,921	\$ 259,389	\$ 262,232	\$ 208,034	\$ 240,291	\$ 240,291
20-00-00-453-000	FRC/Net Increase in Fair Value of Investments		\$ -		\$ -		\$ -	\$ -
20-00-00-461-000	FRC/Investment Income		\$ -		\$ -		\$ -	\$ -
BAB Fund		\$ 151,726	\$ 35,000	\$ 225,696	\$ 35,000	\$ 307,351	\$ 35,000	\$ 35,000
30-00-00-453-000	BAB/Net Increase in Fair Value of Investments	\$ (104,183)	\$ (30,000)	\$ (13,847)	\$ (30,000)	\$ 187,491	\$ (30,000)	\$ (30,000)
30-00-00-461-000	BAB/Investment Income	\$ 255,909	\$ 65,000	\$ 239,543	\$ 65,000	\$ 119,860	\$ 65,000	\$ 65,000
SRF Fund			\$ -		\$ -		\$ -	\$ -
60-00-00-430-000	SRF/Federal Grants						\$ -	\$ -
60-00-00-453-000	SRF/Net Increase in Fair Value of Investments		\$ -		\$ -		\$ -	\$ -

As of 4/30/2020

FY 2020 - 2021 Water Sales Projection

WU/Water Sales

Estimated Water Sales - FY 2019- 2020 (see Sch. 1)		26,036,652.43
Estimated Water Sales Increase (growth projection)	0.00%	-
Estimated Power Cost Adjustment (\$0.0 pending approved water rate study)		-

Projected Water Sales FY 2020-2021

26,036,652.43

Sch. 1

Year To Date Water Sales (7 months)

July, 2019 to April, 2020 (Actual)	86%	\$ 22,403,222.71
May to June, 2020	14%	3,633,429.72
Estimated Annual		\$ 26,036,652.43
		26,036,652.43

Metered Consumption - in million gallons (MG)				Ratio	MG Increase/ (Decrease)	% Increase/ (Decrease)
	FY 2018	FY 2019	FY 2020			
July	383.831	344.364	365.892			
August	380.414	348.569	362.067			
September	399.598	325.351	369.751			
October	373.247	328.575	328.084			
November	329.959	306.129	306.312			
December	310.680	307.883	304.626			
January	321.919	299.365	290.040			
February	312.188	305.811	285.156		(20.655)	-7%
March	292.542	309.819	287.939		(21.880)	-7%
April	294.834	327.707	255.907		(71.800)	-22%
May	292.845	339.334				
June	322.526	378.527		86%		
Add: May to June , 2020 (based on the last two months May to June 2019) average water consumption multiplied by 93%; 7% decrease)						
February, 2020 estimated						
March, 2020, estimated						
April, 2020, estimated						
May, 2020, estimated			255.907			
June, 2020, estimated			255.907	14%		
	4,014.583	3,921.434	3,667.588		(253.846)	-6.5%
FY 2020 Estimated decrease in water usage						
		(93.149)	(253.846)			
Equivalent rate increase (decrease)		-2.3%	-6.5%			
Ave mo. Usage			261.971			

Schedule 2

REPORT OF MONTHLY BILLED REVENUES

For Fiscal Years 2018, 2019 & 2020

	2018		2019		2020
\$	2,760,278	\$	2,459,791	\$	2,594,993
\$	2,720,713	\$	2,484,364	\$	2,616,525
\$	2,900,969	\$	2,387,444	\$	2,568,987
\$	2,646,300	\$	2,307,018	\$	2,344,974
\$	2,656,924	\$	2,254,135	\$	2,224,482
\$	2,104,089	\$	2,168,082	\$	2,085,759
\$	2,295,593	\$	2,131,137	\$	2,064,173
\$	2,201,268	\$	2,175,447	\$	2,036,448
\$	2,068,741	\$	2,222,428	\$	2,177,234
\$	2,049,058	\$	2,337,458	\$	1,860,315
\$	2,076,298	\$	2,396,951	\$	1,860,315
\$	2,312,100	\$	2,635,214	\$	1,860,315
\$	28,792,331	\$	27,959,469	\$	26,294,520

average monthly billed revenues	\$	2,191,210
April Revenues/Total Revenues		7%
Assuming flat revenues		85%
Projected= \$26,294,520*85%	\$	22,323,775
Add 3% increase	\$	22,993,488

Schedule 1

Comparative Usage by Customer Class

April, 2019		April, 2020		Increase/(Decrease)		
Row Labels	Sum of Consumption in kgals	Row Labels	Sum of Consumption in kgals	Customer Class	Inc. (Dec.)	% Inc. (Dec.)
-	140	-	264		124	89%
Agricultural	7,722	Agricultural	5,832	Agricultural	(1,890)	-24%
City Government	10,555	City Government	8,697	City Government	(1,858)	-18%
City Park	27	City Park	27	City Park	-	0%
Commercial	30,090	Commercial	20,298	Commercial	(9,792)	-33%
Commercial/Residential	551	Commercial/Residential	600	Commercial/Residential	49	9%
Golf Course	7	Golf Course	-	Golf Course	(7)	-100%
Hotel	47,222	Hotel	27,129	Hotel	(20,093)	-43%
Hydrant	1,915	Hydrant	723	Hydrant	(1,192)	-62%
Industrial	1,127	Industrial	549	Industrial	(578)	-51%
Irrigation	494	Irrigation	267	Irrigation	(227)	-46%
Low Rise Residential	42,788	Low Rise Residential	23,854	Low Rise Residential	(18,934)	-44%
Military	239	Military	203	Military	(36)	-15%
Private School	173	Private School	79	Private School	(94)	-54%
Religion	1,671	Religion	1,653	Religion	(18)	-1%
Resort	967	Resort	492	Resort	(475)	-49%
Single Family Dwelling	165,515	Single Family Dwelling	155,668	Single Family Dwelling	(9,847)	-6%
State Government	15,398	State Government	9,296	State Government	(6,102)	-40%
State School	1,106	State School	289	State School	(817)	-74%
Grand Total	327,707	Grand Total	255,920		(71,787)	-22%

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