

GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

FINANCE COMMITTEE
REGULAR MEETING

OCTOBER 16, 2019

AGENDA
REGULAR MEETING
FINANCE COMMITTEE
GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT
6425 MAIN STREET, GEORGETOWN, CA 95634
WEDNESDAY, OCTOBER 16, 2019
2:00 P.M.

MISSION STATEMENT

It is the purpose of the Georgetown Divide Public Utility District to:

- Provide reliable water supplies
 - Ensure high quality drinking water
 - Promote stewardship to protect community resources, public health, and quality of life
 - Provide excellent and responsive customer services through dedicated and valued staff
 - Ensure fiscal responsibility and accountability are observed by balancing immediate and long-term needs.
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1. CALL TO ORDER, PLEDGE OF ALLEGIANCE

2. PUBLIC FORUM – Any member of the public may address the Finance Committee on any matter within the jurisdictional authority of the Finance Committee. Public members desiring to provide comments, must be recognized by the Committee Chairman, and speak from the podium. Comments must be directed only to the Finance Committee. The public should address the Finance Committee members during the public meetings as Chairman, Vice Chairman, Secretary, or Member, followed by the Committee member's individual last name. The Finance Committee will hear communications on matters not on the agenda, but no action will be taken. No disruptive conduct shall be permitted at any Finance Committee meeting. Persistence in disruptive conduct shall be grounds for summary termination, by the Chairman, of that person's privilege of address.

3. CONSENT CALENDAR

A. Approval of Minutes

1. Regular Meeting of August 21, 2019
2. Regular Meeting of September 18, 2019

4. NEW BUSINESS

A. Cash Balances Report

Possible Committee Action: Presentation by Committee Member Tom Crawford and Committee discussion

B. Investments Report

Possible Committee Action: Presentation by Committee Member Mitch MacDonald and Committee discussion

C. Review Draft Leakage Consideration Policy

Possible Committee Action: Staff presentation. Review and comment.

D. Discussion of District's Investment Policy

Possible Committee Action: Finance Committee discussion and possible recommendations to the Board.

E. Review Update to Capital Improvement Plan and Impact to Fiscal Year 2019/2020 Budget

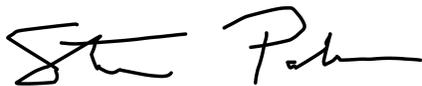
Possible Committee Action: Staff presentation. Review and comment.

5. NEXT MEETING DATE

Possible Committee Action: Establish date and time for next meeting.

6. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact Christina Cross by telephone at 530-333-4356 or by fax at 530-333-9442. Requests must be made as early as possible and at least one-full business day before the start of the meeting. In accordance with Government Code Section 54954.2(a), this agenda was posted on the District's bulletin board at the October 11, 2019.



Steven Palmer, PE, General Manager

October 10, 2019

Date



GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

FINANCE COMMITTEE

AGENDA ITEM

3.A.

Georgetown Divide Public Utility District Finance Committee

“Providing financial review and advisory services for the GDPUD Board of Directors in support of sound, prudent and business like management of the water district.”

15 Sep 2019 Draft FINANCE COMMITTEE MEETING MINUTES

Meeting Date & Time: August 21, 2019, at 2:00 PM

Location: GDPUD Boardroom

Committee Members Present: Steve Miller (Chair), Thomas Crawford (Vice Chair), Mitch MacDonald, Sierra Nyokka, Don Waltz (Secretary)

Committee Member Absent: Ken Pauley

Board Member Present: Michael Saunders (Treasurer, Finance Committee Liaison), David Halpin

Staff Present: Steven Palmer (General Manager)

1. Call to Order, Pledge of Allegiance

Meeting called to order

2. Public Forum

No comments or questions were offered by those members of the public present.

3. Consent Calendar - Approval of Minutes May 29, 2019.

Motion was made by Don Waltz and seconded Sierra Nyokka to approve the minutes with the corrections discussed by the Committee. Motion was unanimously approved.

4. New Business

A. Brown Act Training Presentation

Staff requested to postpone this item to a future meeting due to trainer scheduling problem.

B. Prioritize the Following Items that the Finance Committee Identified for Review during Fiscal Year 2019/2020:

1. “The proportion of revenues generated by (a) fixed or base charges versus (b) unit (per cubic foot or miner’s inch) charges levied for water use. The Committee may examine this issue within the contexts of water conservation, social justice and financial risks to the District.”

Don Waltz volunteered to work on this project. He stated that he believes that more water agencies are shifting to variable rate instead of fixed rate; agencies have offset the associated risk by having a larger reserve.

Public comment: Cherie Carlyon commented that current rate structure is not fair to small users.

2. “The future need and costs of increasing the sources of water supplied to GDPUD customers. The discussion involving this matter may consider historical numbers of District customers, the related volume of water consumed by the customers, the El Dorado County General Plan and recommendations originating with the State of California.”

Georgetown Divide Public Utility District Finance Committee

“Providing financial review and advisory services for the GDPUD Board of Directors in support of sound, prudent and business like management of the water district.”

Steve Miller volunteered to take the lead on this item. Sierra stated that she is likely to be moving out of the District in December.

Public comment: Cherie Carlyon commented on status of El Dorado County Water Agency project to obtain more water rights from the American River.

3. *“The identification of beginning and ending fiscal year balances beginning with FY201314. This item could aid in understanding how such amounts are allocated within the annual budget.”
Tom Crawford volunteered to lead this effort.*

Public comment: Cherie Carlyon commented that the website is missing older budgets. Director Saunders commented that the website is also missing some resolutions and ordinances.

4. *“Help develop a table of assets and values and projected life. The establishment of reserve accounts, a method of differentiating such accounts and the development of a reserve policy that might recognize appropriate amounts to be allocated to these accounts.”
After discussion the committee concurred that this item should be put on hold.*

Public comment: Cherie Carlyon commented that the District should already have created new funds per the new reserve policy.

5. *“The adoption and integration of smart water meters to the extent that this program could affect District customers’ water bills and staff. Estimate of date of secured funding.”
Steve Miller volunteered to take the lead on this issue.*

Public comment: None.

6. *“Assess water losses connected with the District’s water supply system and pursue possible financial strategies to mitigate these losses. This item would involve in the identification of the magnitude of water losses and the development of financial options to deal with mitigating these losses.”
After discussion the committee concurred that this item should be put on hold.*

Public comment: None.

7. *“The possibility of revising the timeline accompanying the District’s budget development process.”
Steve Miller volunteered to take the lead.*

Public comment: Director Halpin commented on the challenges of bringing an accurate draft budget to the committee before enough information is known; in previous years the committee scheduled extra meetings to accommodate the budget process. Committee member Don Waltz challenged this statement by recalling his time on the Auburn Lake Trails Finance Committee. Within the ALT budget schedule as he experienced it, the schedule began administratively in October and a tentative budget was ready by December. Mr. Waltz went on to say that he

Georgetown Divide Public Utility District Finance Committee

“Providing financial review and advisory services for the GDPUD Board of Directors in support of sound, prudent and business like management of the water district.”

thought that the GDPUD could develop a budget in such a way so as to be able to present it to its Finance Committee for approval in two regularly scheduled meetings.

At this point, the discussion turned to the need for having an attorney make a Brown Act training presentation to the Finance Committee. Don Waltz expressed concern about the cost of having District legal counsel providing the training. Mr. Palmer expressed strong concerns for the having significant legal oversight of GDPUD activities.

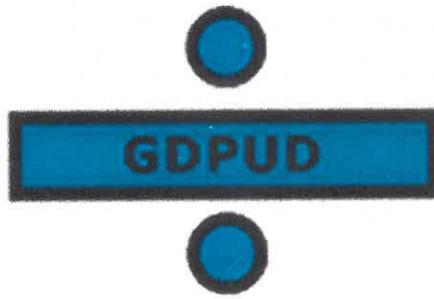
8. “A review of the District’s cash investment policy.”

Mitch MacDonald volunteered to lead this item.

5. Next meeting & adjourn

It was decided that the next Committee meeting would be held September 18, 2019, at 2pm at the Georgetown Divide Public Utility District office, 6425 Main St., Georgetown, CA 95634. The meeting was then adjourned.

Minutes prepared by Don Waltz, Finance Committee Secretary.



GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

FINANCE COMMITTEE

AGENDA ITEM

3.B.

Georgetown Divide Public Utility District Finance Committee

“Providing financial review and advisory services for the GDPUD Board of Directors in support of sound, prudent and business like management of the water district.”

FINANCE COMMITTEE MEETING MINUTES

Meeting Date & Time: September 18, 2019, at 2:00 PM

Location: GDPUD Boardroom

Committee Members Present: Steve Miller (Chair), Thomas Crawford (Vice Chair), Mitch MacDonald, Sierra Nyokka, Ken Pauley, Don Waltz (Secretary)

Committee Member(s) Absent: None

Board Member Present: Michael Saunders (Treasurer, Finance Committee Liaison)

Staff Present: Steven Palmer (General Manager), Christina Cross

1. Call to Order, Pledge of Allegiance

Meeting called to order

2. Public Forum

It was noted during a public forum discussion that Stumpy Meadows Reservoir was at 91% of capacity.

3. Consent Calendar - Approval of Minutes May 29, 2019.

Motion was made and seconded to postpone the consideration of the May 29, 2019, minutes until the next Committee meeting. Motion was unanimously approved.

4. New Business

A. Brown Act Training Presentation

Kerry Fuller, attorney with Churchwell White LLP, made a PowerPoint training presentation of salient points regarding the Brown Act. Throughout the presentation, questions were posed and answered.

B. Review Draft Leakage Consideration Policy:

A draft of the District’s Leakage Consideration Policy was presented by Steven Palmer and Christina Cross. Committee members felt that a proper review of the changes to the policy that were being proposed by staff should be accompanied by an analysis of the financial impacts to both customers and the District. Mr. Palmer and Ms. Cross indicated that they could provide such an analysis.

It was moved and seconded that the review of the policy changes being proposed should be postponed until the next Committee meeting. Motion was unanimously approved.

C. Review of Draft Discontinuation of Residential Water Service Policy

Mr. Palmer and Ms. Cross led a discussion of proposed changes to the “Discontinuation of Residential Water Service Policy.” After the staff presented the background concerning this policy, a Committee member asked if there were any parts of the draft policy that were discretionary. The staff indicated that most of the policy was required under State laws; the only policy issue that was subject to adjustment

was the section of the policy that reads:

Georgetown Divide Public Utility District Finance Committee

“Providing financial review and advisory services for the GDPUD Board of Directors in support of sound, prudent and business like management of the water district.”

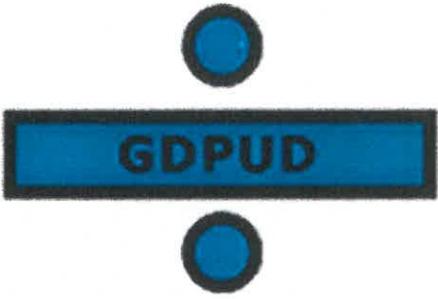
“Any balance on a bill of \$25 or less may be carried over, and added to, the next billing period without being assessed a late fee or incurring further collection action.”

There followed a discussion of the pros and cons of the \$25 amount. The Committee concluded that this amount should not be changed, as it allows inadvertent small underpayments to be rectified in the following month without penalty. Consequently, the Committee decided that no changes were needed to the proposed policy.

5. Next meeting & adjourn

It was decided that the next Committee meeting would be held October 16, 2019, at 2pm, at the Georgetown Divide Public Utility District office, 6425 Main St., Georgetown, CA 95634. The meeting was then adjourned.

Minutes prepared by Don Waltz, Finance Committee Secretary.



GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

FINANCE COMMITTEE

AGENDA ITEM

4.A.

3. The identification of beginning and ending fiscal year balances beginning with FY2013-14. This item could aid in understanding how such amounts are allocated within the annual budget.

Fiscal Year	Beginning	(Source)	Ending	(Source)
2013-14				
2014-15			9,162,818.05	June 30, 2015 Ending 08.11.15 Packett
2015-16	9,212,831.11	Aug 31, 2015 Beginning ¹ 09.08.15 Packett-Corrected	²	June 30, 2016 Ending Not in 2016.09.13 Not in 2016.08.09-Final
2016-17	9,466,085.96	July 31, 2016 Beginning 2016.09.13Packett-FINAL	10,112,107.32	June 30, 2017 Ending 2017.08.08Pckt
2017-18	10,112,107.31	July 31, 2017 Beginning 2017.09.12 Packett FINAL	10,195,497.03	June 30, 2018 Ending 2018.08.14 AGENDA_PACKETT
2018-19	10,182,352.44	Cash Balances- July 2018 2018.09.11-PACKETT-Amended	9,802,359.06	June 30, 2019 Ending 2019.08.13 Complete+Packett
2019-20	9,802,358.08	Cash Balances- July 2019 2019.09.10+Complete+Pachet...		June 30, 2020 Ending (future)

¹ Could not find July 2015 Balances

² Could not find June 2016 Balances

ITEM 4.C DRAFT LEAKAGE CONSIDERATION POLICY

STAFF PROVIDED MATERIAL

POLICY TITLE: Leakage Consideration

POLICY NUMBER: 1118

1118.1 Background: In the 1980's, the Board enacted a leakage consideration policy. If a customer had a leak on their side of the meter due to broken pipes or other failures in the properties plumbing system and got it fixed promptly, they could qualify for an adjustment to their water bill. This is called a Leakage Consideration.

The policy was based on compassion for the customer, timely repair of the leak, and payment by the customer for the chemicals and energy to treat the water that was lost.

The customer is responsible for monitoring higher than expected usage. The District will do it's best to provide high usage phone calls to customers with seemingly abnormally high usage during meter reading. Customers must investigate higher than expected usage to determine if the usage was caused by a leak. Customers should promptly repair leaks.

1118.2 Eligibility: Only the legal homeowner of the property can request a leakage consideration. Rental tenants paying bills must contact the owner to have them request an adjustment from the District.

No leak adjustments will be granted for loss of water due to irrigation or pool failures.

No adjustments will be granted for loss of water due to leaking faucets or running toilets.

The customer's account must be in good standing at the time of the Leakage Consideration.

Adjustments are limited to the water usage portion of the bill only.

Only residential treated water customers are eligible for the leakage consideration. The adjustment does not apply to agricultural irrigation water accounts.

1118.3 Procedure: A leakage consideration is calculated by staff using the following provisions.

1118.3.1 Qualification for a consideration requires that the customer repair the leak promptly. Prompt repair is considered to be within ten calendar days of notification or when the leak was discovered.

1118.3.2 The adjustment is calculated by staff and shall be determined by the District based on comparison of "normal consumption" during the same billing period of the prior year the leak occurred. Staff shall use the immediate past year but may, at staff's sole discretion, consider other years if necessary to determine an appropriate historical usage

1118.6 Submission. All adjustment requests must be submitted to the General Manager and/or designee for approval. Staff will contact the customer by phone call and/or writing either detailing the adjusted amount of their bill, or denying the request.

DRAFT

Memo

To: Board of Directors
From: Hank White
Date: April 29, 2010
Re: Agenda Item #10: Leakage Consideration Policy

BACKGROUND/DISCUSSION:

In the 1980's, the Board enacted a leakage consideration policy. The policy was based on compassion for the customer, timely repair of the leak, and payment by the customer for the chemicals and energy to treat the water that was lost.

The Board has directed staff to provide an opportunity to confirm and improve the leakage consideration policy.

RECOMMENDATION:

Staff recommends that the Board approve a Leakage Consideration Policy with the following provisions:

- Qualification for a consideration requires that the customer repair the leak promptly. Generally, prompt repair is considered to be within two weeks of notification. A leakage consideration will not be granted for more than one billing cycle.
- One consideration is granted for every ten years of an active account status.
- If a customer chooses, they may repay a previous consideration thereby making the account eligible for a future consideration.
- Staff shall estimate an historical usage which will be equal to the usage in a prior year during the same billing cycle as the leak occurred. Staff shall use the immediate past year but may, at staff's sole discretion, consider other years if necessary to determine an appropriate historical usage.
- The base amount due will be calculated by applying current rates to the historical usage. The amount due for the leakage shall be calculated by multiplying the difference of the current usage and the historical usage by a factor. The factor is based on the cost associated with treating the water lost to the leak and will be \$2.25 per 1,000 cubic feet for 2010. Staff is authorized to increase the factor by \$0.05 each year on January 1. The total due will be the sum of the base amount and the amount due for the leakage.

M&I Water Leak Billing Adjustment Policy

Purpose and Scope:

The purpose of this policy is to provide Solano Irrigation District (District) with a written policy regarding providing billing adjustments for water leaks on the customer (or property) side of the meter, or significant abnormalities in water consumption. For this policy, a customer is defined as a municipal and industrial water user. This policy does not apply to agricultural water customers.

Introduction:

Customers are responsible for the service and fittings to the Water Utility System beginning at the coupling on the customer's side of the meter. Any leaks in the line which are the responsibility of the customers must be repaired, by the customer, solely at their expense.

No adjustment or credit will be applied to the water bill for the customer or property side leaks, damage or deterioration or other factors except as defined within this policy

The customer is responsible for monitoring higher than expected usage. Customers must investigate higher than expected usage to determine if the usage was caused by a property side leak. Upon request, District staff will provide a no charge, on-site visit. Customers should promptly repair leaks.

Property Side Leaks - Billing Adjustment Criteria:

The General Manager, or other person delegated the responsibility by the
<https://www.sidwater.org/230/MI-Water-Leak-Billing-Adjustment-Policy>

9/9/2019

Related Resources

- [Courtesy Leak Adjustment Application](#)

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(iii) After being notified by the District via billing, letter, door hanger, or by any other means, the customer took prompt and reasonable action to ascertain the cause of the excessive use and to correct it;

(iv) The customer took corrective action within forty-eight hours of discovering or being notified of a leak, pursuant to MMWD Code, Section 13.02.020 (1)(b), and provides the District with proof of repair within thirty days from the billing date for the period in which the water loss occurred.

b. The amount of water loss shall be determined by the District. The average measured quantity delivered during the same billing period or periods in the preceding two years will be used when available and representative of the customer's normal use.

c. No adjustment shall be made for a charge or a surcharge which is not based on the quantity of water delivered.

d. Water loss adjustments will be limited to two billing periods and will also be limited to one adjustment every thirty-six months. The thirty-six month period begins the first month of the billing period following the last billing period for which the water loss adjustment was prepared. A second water loss by a particular customer would be eligible to substitute for the first adjustment, if the customer so requests during the thirty-six month period. If such an adjustment is requested and it is determined to be eligible, the total adjustment will be equal to the larger of the two leak adjustments in the thirty-six month period after the first adjustment.

(2) The customer shall be responsible for payment of one-half of the calculated water loss at the appropriate tier one rate. Water consumption not subject to the water loss calculation shall be billed at the appropriate tier and tier rate.

1. The account shows no record of being delinquent for more than 60 days during the past 24 months
2. One (1) adjustment will be granted within a 24 month period
3. The customer certifies in writing that the problem causing the usage has been repaired and/or resolved within fourteen (14) calendar days of being notified or when the leak was discovered
4. Leak adjustments must be applied for in writing within 30 days of receipt of billing
5. No leak adjustments will be granted for loss of water due to irrigation failures
6. No leak adjustments will be granted for properties operated or used as vacation rentals
7. No leak adjustments will be granted during District declared drought status
8. Upon approval, the District will take water that is in excess of the prior year's same billing period for normal consumption and bill each gallon at the District's Base Usage Rate.

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18966 FERRETTI ROAD, GROVELAND CA 95321
TELEPHONE (209) 962-7161

[PRIVACY POLICY \(/PRIVACY-POLICY\)](#)

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2017 Leakage Consideration Comparison

Current Usage	Prior Usage	Water lost	Unadjusted Bill	Current	
				Adjusted Bill	Leakage Consideration Amount (Credit)
17568	1059	16509	\$ 387.96	\$ 117.78	\$ 270.18
7230	1678	5552	\$ 161.65	\$ 90.90	\$ 70.75
7646	1147	6499	\$ 169.68	\$ 91.98	\$ 77.70
16282	1869	14413	\$ 359.54	\$ 114.43	\$ 245.11
11470	1723	9747	\$ 253.20	\$ 142.64	\$ 110.56
6290	2000	4290	\$ 143.51	\$ 88.45	\$ 55.06
10563	2151	8412	\$ 233.15	\$ 101.26	\$ 131.89
39285	7392	31893	\$ 867.91	\$ 247.69	\$ 620.22
7405	3965	3440	\$ 165.03	\$ 113.36	\$ 51.67
41263	1374	39889	\$ 915.07	\$ 179.79	\$ 735.28
18937	2160	16777	\$ 418.22	\$ 123.13	\$ 295.09
38559	1972	36587	\$ 851.86	\$ 175.35	\$ 676.51
7762	2371	5391	\$ 171.92	\$ 96.44	\$ 75.48
15596	12026	3570	\$ 344.37	\$ 274.76	\$ 69.61
13614	4476	9138	\$ 300.58	\$ 107.50	\$ 193.08
4822	1987	2835	\$ 159.19	\$ 125.36	\$ 33.83
78568	2000	76568	\$ 1,736.06	\$ 276.38	\$ 1,459.68
25926	17493	8433	\$ 572.67	\$ 408.22	\$ 164.45
21719	769	20950	\$ 479.69	\$ 128.57	\$ 351.12
67318	2000	65318	\$ 1,487.43	\$ 247.13	\$ 1,240.30
14543	1725	12818	\$ 321.11	\$ 109.91	\$ 211.20
28978	12762	16216	\$ 640.11	\$ 323.90	\$ 316.21
11669	806	10863	\$ 257.59	\$ 102.44	\$ 155.15
33399	1504	31895	\$ 737.83	\$ 158.94	\$ 578.89
11294	6013	5281	\$ 249.30	\$ 151.88	\$ 97.42
38823	4543	34280	\$ 857.69	\$ 202.99	\$ 654.70
24583	4454	20129	\$ 542.99	\$ 164.73	\$ 378.26
7393	2000	5393	\$ 164.79	\$ 91.32	\$ 73.47
32640	722	31918	\$ 721.05	\$ 156.96	\$ 564.09
19617	3563	16054	\$ 433.24	\$ 140.61	\$ 292.63
15644	5936	9708	\$ 345.44	\$ 162.08	\$ 183.36
11855	6317	5538	\$ 261.70	\$ 158.42	\$ 103.28
23131	2725	20406	\$ 510.90	\$ 140.36	\$ 370.54
7355	1191	6164	\$ 164.06	\$ 91.22	\$ 72.84
11111	1034	10077	\$ 245.26	\$ 100.99	\$ 144.27
38204	224	37980	\$ 844.02	\$ 171.44	\$ 672.58
45534	5089	40445	\$ 961.80	\$ 222.83	\$ 738.97
9141	3782	5359	\$ 201.72	\$ 115.83	\$ 85.89
11112	108	11004	\$ 245.28	\$ 100.99	\$ 144.29
24946	2603	22343	\$ 551.01	\$ 143.71	\$ 407.30
6215	4004	2211	\$ 142.06	\$ 110.71	\$ 31.35
40915	2000	38915	\$ 889.97	\$ 164.52	\$ 725.45
19519	2526	16993	\$ 431.08	\$ 128.74	\$ 302.34
45465	3750	41715	\$ 1,004.48	\$ 209.91	\$ 794.57
81914	14937	66977	\$ 1,810.00	\$ 503.95	\$ 1,306.05
22274	1464	20810	\$ 491.96	\$ 130.01	\$ 361.95
23433	3780	19653	\$ 517.58	\$ 152.96	\$ 364.62
6870	1866	5004	\$ 154.70	\$ 89.96	\$ 64.74
39292	1848	37444	\$ 876.73	\$ 182.94	\$ 693.79
7163	1973	5190	\$ 172.38	\$ 90.72	\$ 81.66
8461	1167	7294	\$ 220.47	\$ 134.81	\$ 85.66
5552	2000	3552	\$ 130.51	\$ 86.53	\$ 43.98
37459	20966	16493	\$ 913.23	\$ 591.62	\$ 321.61
101880	4940	96940	\$ 2,415.54	\$ 394.58	\$ 2,020.96
47136	1074	46062	\$ 964.11	\$ 194.65	\$ 769.46
12515	540	11975	\$ 317.01	\$ 74.47	\$ 242.54
279869	227	279642	\$ 879.76	\$ 154.55	\$ 725.21
133592	2000	131592	\$ 2,544.12	\$ 419.43	\$ 2,124.69
14361	1029	13332	\$ 317.09	\$ 109.43	\$ 207.66
4844	692	4152	\$ 159.55	\$ 125.41	\$ 34.14
20024	2000	18024	\$ 641.14	\$ 124.16	\$ 516.98
10111	387	9724	\$ 223.16	\$ 98.38	\$ 124.78
14769	1269	13500	\$ 326.10	\$ 110.49	\$ 215.61
8706	217	8489	\$ 192.11	\$ 94.73	\$ 97.38
6448	944	5504	\$ 146.55	\$ 88.86	\$ 57.69
23971	273	23698	\$ 529.47	\$ 134.42	\$ 395.05
12081	1269	10812	\$ 266.70	\$ 103.51	\$ 163.19
12757	2000	10757	\$ 281.64	\$ 105.26	\$ 176.38
3806	479	3327	\$ 102.22	\$ 81.99	\$ 20.23
18414	576	17838	\$ 406.66	\$ 119.98	\$ 286.68
12380	2000	10380	\$ 243.15	\$ 74.12	\$ 169.03
9566	717	8849	\$ 221.68	\$ 107.53	\$ 114.15
est water loss	1,746,930.00	\$ 38,368.49	lost revenue	\$	26,812.49

2018 Leakage Consideration Comparison

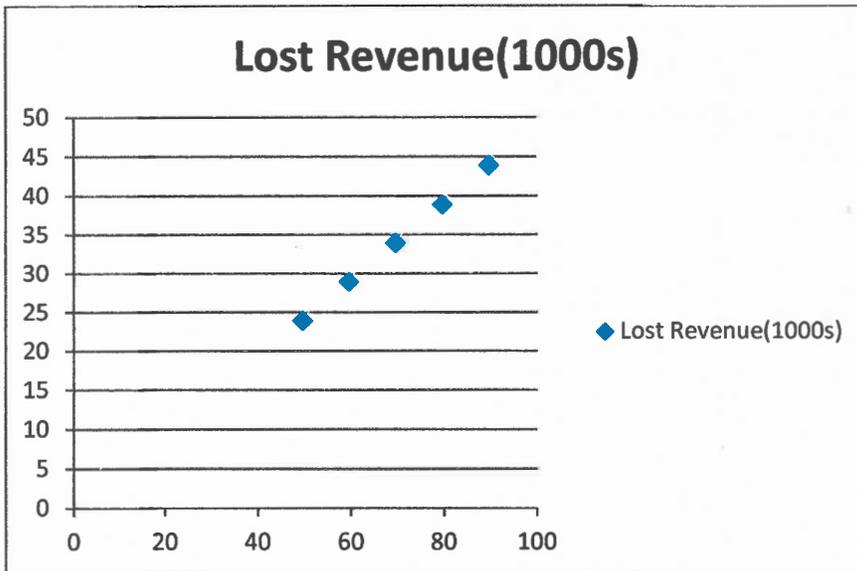
Current Usage	Prior Usage	Water lost	Unadjusted Bill	Current		50% Leakage Credit		60% Leakage Credit		70% Leakage Credit		80% Leakage Credit		90% Leakage Credit	
				Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)
14873	2000	12873	\$ 468.24	\$ 173.45	\$ 294.79	\$ 164.13	\$ 304.11	\$ 271.28	\$ 196.96	\$ 238.46	\$ 229.78	\$ 205.63	\$ 172.80	\$ 295.44	
58106	9727	48379	\$ 1,570.68	\$ 966.17	\$ 604.51	\$ 616.83	\$ 953.85	\$ 830.48	\$ 740.20	\$ 707.11	\$ 863.57	\$ 583.75	\$ 460.38	\$ 1,110.30	
21617	0	21617	\$ 610.05	\$ 115.02	\$ 495.03	\$ 334.43	\$ 279.31	\$ 224.19	\$ 275.62	\$ 224.19	\$ 385.86	\$ 169.06	\$ 113.94	\$ 496.11	
9541	3619	5922	\$ 332.28	\$ 196.66	\$ 135.62	\$ 75.51	\$ 256.77	\$ 241.67	\$ 90.61	\$ 211.47	\$ 105.71	\$ 211.47	\$ 196.37	\$ 135.91	
26900	10300	16600	\$ 774.93	\$ 394.79	\$ 380.14	\$ 211.65	\$ 520.95	\$ 478.62	\$ 253.98	\$ 436.29	\$ 296.31	\$ 436.29	\$ 393.96	\$ 380.97	
38174	8603	29571	\$ 1,062.42	\$ 385.24	\$ 677.18	\$ 377.03	\$ 609.98	\$ 534.58	\$ 452.44	\$ 459.17	\$ 527.84	\$ 459.17	\$ 383.77	\$ 678.65	
8455	4112	4343	\$ 304.58	\$ 205.13	\$ 99.45	\$ 55.37	\$ 249.21	\$ 238.13	\$ 66.45	\$ 227.06	\$ 77.52	\$ 215.98	\$ 204.91	\$ 99.67	
17090	4559	12531	\$ 524.78	\$ 313.30	\$ 343.90	\$ 159.77	\$ 365.01	\$ 301.10	\$ 191.72	\$ 278.62	\$ 223.68	\$ 269.15	\$ 213.34	\$ 287.59	
14800	2000	12800	\$ 507.10	\$ 213.98	\$ 293.12	\$ 163.20	\$ 311.26	\$ 278.62	\$ 195.84	\$ 340.92	\$ 261.12	\$ 340.92	\$ 260.81	\$ 721.02	
33417	2000	31417	\$ 981.83	\$ 262.38	\$ 719.45	\$ 400.57	\$ 581.26	\$ 421.04	\$ 480.68	\$ 560.79	\$ 640.91	\$ 640.91	\$ 640.91	\$ 92.65	
6037	2000	4037	\$ 283.64	\$ 191.20	\$ 92.44	\$ 51.47	\$ 232.17	\$ 211.58	\$ 72.06	\$ 211.58	\$ 211.58	\$ 211.58	\$ 190.99	\$ 92.65	
16033	2000	14033	\$ 497.82	\$ 176.47	\$ 321.35	\$ 178.92	\$ 318.90	\$ 247.33	\$ 214.70	\$ 247.33	\$ 250.49	\$ 211.55	\$ 175.76	\$ 322.06	
66316	2000	64316	\$ 1,765.33	\$ 292.49	\$ 1,472.84	\$ 820.03	\$ 945.30	\$ 813.30	\$ 984.03	\$ 617.29	\$ 1,148.04	\$ 453.28	\$ 289.28	\$ 1,476.05	
9084	2000	7084	\$ 320.62	\$ 158.40	\$ 162.22	\$ 90.32	\$ 230.30	\$ 194.17	\$ 108.39	\$ 194.17	\$ 126.45	\$ 176.11	\$ 158.04	\$ 162.58	
45873	13756	32117	\$ 1,258.74	\$ 523.26	\$ 735.48	\$ 409.49	\$ 849.25	\$ 677.35	\$ 491.39	\$ 685.45	\$ 573.29	\$ 603.55	\$ 521.65	\$ 737.09	
34135	21615	12520	\$ 959.42	\$ 672.71	\$ 286.71	\$ 159.63	\$ 799.79	\$ 735.94	\$ 191.56	\$ 735.94	\$ 223.48	\$ 704.01	\$ 672.09	\$ 287.33	
25335	17790	7545	\$ 735.02	\$ 562.24	\$ 172.78	\$ 96.20	\$ 619.58	\$ 873.13	\$ 270.14	\$ 275.05	\$ 315.16	\$ 230.03	\$ 185.00	\$ 405.21	
19656	2000	17656	\$ 590.21	\$ 185.89	\$ 404.32	\$ 225.11	\$ 365.10	\$ 320.07	\$ 163.04	\$ 315.05	\$ 315.16	\$ 230.03	\$ 185.00	\$ 405.21	
38210	27554	10656	\$ 1,063.34	\$ 819.31	\$ 244.03	\$ 135.86	\$ 927.48	\$ 900.30	\$ 63.04	\$ 873.13	\$ 134.68	\$ 600.34	\$ 818.78	\$ 244.56	
11720	7642	4078	\$ 387.84	\$ 294.45	\$ 87.39	\$ 51.99	\$ 335.45	\$ 325.45	\$ 62.39	\$ 196.04	\$ 72.79	\$ 304.65	\$ 294.25	\$ 93.59	
9928	2000	7328	\$ 326.84	\$ 159.03	\$ 167.81	\$ 93.43	\$ 234.41	\$ 214.72	\$ 112.12	\$ 196.04	\$ 130.80	\$ 177.35	\$ 158.66	\$ 168.18	
34299	22224	12075	\$ 963.60	\$ 687.09	\$ 276.51	\$ 153.96	\$ 778.85	\$ 748.06	\$ 184.75	\$ 748.06	\$ 215.54	\$ 717.27	\$ 686.48	\$ 277.12	
26467	20020	6447	\$ 763.89	\$ 616.25	\$ 147.64	\$ 82.20	\$ 665.25	\$ 648.81	\$ 98.64	\$ 648.81	\$ 115.08	\$ 632.37	\$ 615.93	\$ 147.96	
33960	2409	31551	\$ 954.96	\$ 232.44	\$ 722.52	\$ 402.28	\$ 552.68	\$ 472.23	\$ 482.73	\$ 391.77	\$ 563.19	\$ 311.32	\$ 230.86	\$ 724.10	
67021	1770	65251	\$ 1,798.02	\$ 303.77	\$ 1,494.25	\$ 831.95	\$ 799.68	\$ 633.29	\$ 998.34	\$ 633.29	\$ 1,164.73	\$ 466.90	\$ 300.51	\$ 1,497.51	
15820	2000	13820	\$ 492.39	\$ 175.91	\$ 316.48	\$ 176.21	\$ 280.94	\$ 245.70	\$ 211.45	\$ 245.70	\$ 246.69	\$ 210.46	\$ 175.22	\$ 317.17	
17267	12835	4432	\$ 529.29	\$ 427.80	\$ 101.49	\$ 56.51	\$ 461.48	\$ 450.18	\$ 67.81	\$ 450.18	\$ 79.11	\$ 438.88	\$ 427.58	\$ 101.71	
17286	6276	11010	\$ 529.77	\$ 277.64	\$ 252.13	\$ 140.38	\$ 389.39	\$ 361.32	\$ 168.45	\$ 333.24	\$ 196.53	\$ 305.17	\$ 277.09	\$ 252.68	
19671	12054	7617	\$ 290.84	\$ 125.80	\$ 165.04	\$ 97.12	\$ 493.47	\$ 474.05	\$ 116.54	\$ 454.63	\$ 135.96	\$ 435.20	\$ 415.78	\$ 174.81	
7916	709	7207	\$ 290.84	\$ 125.80	\$ 165.04	\$ 97.12	\$ 493.47	\$ 474.05	\$ 116.54	\$ 454.63	\$ 135.96	\$ 435.20	\$ 415.78	\$ 174.81	
20777	349	20428	\$ 735.56	\$ 183.99	\$ 551.57	\$ 307.10	\$ 367.04	\$ 306.24	\$ 312.55	\$ 254.15	\$ 364.64	\$ 202.06	\$ 149.97	\$ 468.82	
25356	1270	24086	\$ 305.22	\$ 197.27	\$ 107.95	\$ 60.10	\$ 245.12	\$ 233.10	\$ 368.52	\$ 305.62	\$ 429.94	\$ 305.62	\$ 197.03	\$ 108.19	
8480	3766	4714	\$ 678.49	\$ 156.99	\$ 521.50	\$ 290.36	\$ 330.06	\$ 330.06	\$ 348.43	\$ 271.99	\$ 406.50	\$ 213.92	\$ 155.85	\$ 522.64	
23118	345	22773	\$ 561.19	\$ 174.64	\$ 386.55	\$ 215.22	\$ 345.97	\$ 302.93	\$ 258.26	\$ 259.88	\$ 301.31	\$ 216.84	\$ 173.79	\$ 387.40	
18518	1638	3311	\$ 190.65	\$ 114.83	\$ 75.82	\$ 148.43	\$ 148.43	\$ 139.99	\$ 50.66	\$ 131.55	\$ 59.10	\$ 123.11	\$ 114.66	\$ 75.99	
3987	676	16880	\$ 374.96	\$ 138.41	\$ 236.55	\$ 131.71	\$ 216.91	\$ 216.91	\$ 158.05	\$ 190.57	\$ 184.39	\$ 164.23	\$ 137.89	\$ 237.07	
11215	885	10390	\$ 972.86	\$ 209.44	\$ 763.42	\$ 425.05	\$ 547.81	\$ 462.80	\$ 510.06	\$ 377.79	\$ 595.07	\$ 292.79	\$ 207.78	\$ 765.08	
34662	1325	33337	\$ 756.16	\$ 202.81	\$ 553.35	\$ 308.09	\$ 448.07	\$ 386.45	\$ 369.71	\$ 324.83	\$ 431.33	\$ 263.21	\$ 201.60	\$ 554.56	
26164	2000	24164	\$ 130.39	\$ 105.04	\$ 25.35	\$ 116.28	\$ 116.28	\$ 113.45	\$ 16.94	\$ 110.63	\$ 19.76	\$ 107.81	\$ 104.98	\$ 25.41	
1624	517	1107	\$ 350.79	\$ 141.96	\$ 208.83	\$ 116.27	\$ 234.52	\$ 211.27	\$ 139.52	\$ 188.02	\$ 162.77	\$ 164.76	\$ 141.51	\$ 209.28	
10267	1148	9119	\$ 657.43	\$ 182.59	\$ 474.84	\$ 264.37	\$ 393.06	\$ 340.18	\$ 317.25	\$ 287.31	\$ 370.12	\$ 234.44	\$ 181.56	\$ 475.87	
22292	1557	20735	\$ 487.55	\$ 356.97	\$ 130.58	\$ 127.94	\$ 414.85	\$ 400.31	\$ 87.24	\$ 385.77	\$ 319.12	\$ 198.01	\$ 152.42	\$ 410.30	
15630	9928	5702	\$ 562.72	\$ 153.31	\$ 409.41	\$ 227.94	\$ 334.78	\$ 289.19	\$ 273.53	\$ 243.60	\$ 319.12	\$ 198.01	\$ 152.42	\$ 410.30	
18578	700	17878	\$ 566.04	\$ 166.46	\$ 409.58	\$ 116.17	\$ 416.64	\$ 416.64	\$ 139.40	\$ 393.41	\$ 162.63	\$ 370.18	\$ 346.94	\$ 209.10	
18316	9205	9111	\$ 418.11	\$ 166.46	\$ 251.65	\$ 140.11	\$ 278.00	\$ 249.98	\$ 168.13	\$ 221.96	\$ 196.15	\$ 193.93	\$ 165.91	\$ 252.20	
12907	1918	10989	\$ 856.71	\$ 439.87	\$ 416.84	\$ 367.01	\$ 416.30	\$ 416.30	\$ 440.41	\$ 342.90	\$ 513.81	\$ 269.50	\$ 196.09	\$ 660.62	
30107	1322	28785	\$ 297.01	\$ 137.83	\$ 159.18	\$ 88.63	\$ 208.38	\$ 190.66	\$ 106.35	\$ 172.93	\$ 124.08	\$ 155.21	\$ 141.80	\$ 159.53	
8158	1207	6951	\$ 297.01	\$ 137.83	\$ 159.18	\$ 88.63	\$ 208.38	\$ 190.66	\$ 106.35	\$ 172.93	\$ 124.08	\$ 155.21	\$ 141.80	\$ 159.53	
23031	8391	14640	\$ 676.27	\$ 341.01	\$ 335.26	\$ 186.66	\$ 452.28	\$ 452.28	\$ 223.99	\$ 414.95	\$ 261.32	\$ 377.61	\$ 340.28	\$ 335.99	
18327	2000	16327	\$ 556.32	\$ 182.43	\$ 373.89	\$ 208.17	\$ 306.52	\$ 264.88	\$ 249.80	\$ 291.44	\$ 291.44	\$ 223.25	\$ 181.62	\$ 374.70	
30896	1106	29790	\$ 876.83	\$ 194.64	\$ 682.19	\$ 479.01	\$ 421.04	\$ 345.08	\$ 455.79	\$ 345.08	\$ 531.75	\$ 269.11	\$ 193.15	\$ 683.68	
4670	161	4509	\$ 208.07	\$ 104.81	\$ 103.26	\$ 57.49	\$ 139.08	\$ 127.58	\$ 80.49	\$ 116.09	\$ 80.49	\$ 116.09	\$ 104.59	\$ 103.48	
19886	712	19174	\$ 596.07	\$ 156.99	\$ 439.08	\$ 351.60	\$ 351.60	\$ 302.71	\$ 293.36	\$ 342.26	\$ 391.15	\$ 204.92	\$ 156.03	\$ 440.04	
12015	595	11420	\$ 395.36	\$ 133.84	\$ 261.52	\$ 145.61	\$ 249.76	\$ 220.63	\$ 174.73	\$ 191.51	\$ 203.85	\$ 162.39	\$ 133.27	\$ 262.09	
57656	803	56853	\$ 1,559.21	\$ 257.27	\$ 1,301.94	\$ 724.88	\$ 834.33	\$ 689.36	\$ 869.85	\$ 544.38	\$ 1,014.83	\$ 399.41	\$ 254.43	\$ 1,304.78	
12657	2000	10657	\$ 279.43	\$ 105.01	\$ 174.42	\$ 135.88	\$ 143.55	\$ 116.38	\$ 163.05	\$ 89.20	\$ 190.23	\$ 62.03	\$ 34.85	\$ 244.58	
19569	3558	16011	\$ 432.18	\$ 140.43	\$ 291.75	\$ 204.14	\$ 228.04	\$ 146.38	\$ 244.97	\$ 146.38	\$ 285.80	\$ 105.56	\$ 64.73	\$ 367.45	
15279	2922	12357	\$ 337.37	\$ 122.15	\$ 215.22	\$ 157.55	\$ 179.82	\$ 148.31	\$ 189.06	\$ 116.80	\$ 220.57	\$ 85.29	\$ 53.78	\$ 283.59	
26607	2000	24607	\$ 587.72	\$ 141.28	\$ 446.44	\$ 313.74	\$ 273.98	\$ 211.23	\$ 376.49	\$ 148.49	\$ 439.23	\$ 85.74	\$ 22.99	\$ 564.73	
18159	2000	16159	\$ 401.02	\$ 119.31	\$ 281.71	\$ 206.03	\$ 194.99	\$ 153.79	\$ 247.23	\$ 112.58	\$ 288.44	\$ 71.38	\$ 30.17	\$ 370.85	
est water loss			\$ 1,059,737.00	\$ 38,655.54	\$ 1,098,392.54	\$ 22,813.48	\$ 1,127,206.02	\$ 1,166,019.52	\$ 1,206,033.00	\$ 1,244,846.52	\$ 1,284,663.00	\$ 1,323,518.52	\$ 1,362,424.00	\$ 1,401,379.54	
			lost revenue	\$ 15,907.98	\$ 13,256.65	\$ 18,559.31	lost revenue	\$ 24,723.00	lost revenue	\$ 28,844.00	lost revenue	\$ 32,964.00	lost revenue	\$ 37,085.00	
			lost revenue	\$ 21,210.63	\$ 23,861.96	\$ 26,513.29	lost revenue	\$ 29,164.62	lost revenue	\$ 31,815.95	lost revenue	\$ 34,467.28	lost revenue	\$ 37,118.61	

2019 Leakage Consideration Comparison

Current Usage	Prior Usage	Water lost	Unadjusted Bill			Current			50% Leakage Credit			60% Leakage Credit			70% Leakage Credit			80% Leakage Credit			90% Leakage Credit		
			Unadjusted Bill	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)	Adjusted Bill	Leakage Consideration Amount (Credit)						
25333	4208	21125	\$ 734.97	\$ 251.21	\$ 483.76	\$ 465.63	\$ 269.34	\$ 323.23	\$ 357.89	\$ 377.08	\$ 304.02	\$ 430.95	\$ 250.15	\$ 484.82									
10127	5705	4422	\$ 347.22	\$ 245.95	\$ 101.27	\$ 290.84	\$ 56.38	\$ 67.66	\$ 268.29	\$ 78.93	\$ 257.01	\$ 90.21	\$ 245.74	\$ 101.48									
11637	6185	5452	\$ 385.72	\$ 260.87	\$ 124.85	\$ 316.21	\$ 69.51	\$ 83.42	\$ 288.40	\$ 97.32	\$ 274.50	\$ 111.22	\$ 260.60	\$ 125.12									
17782	2481	15301	\$ 542.42	\$ 197.03	\$ 350.39	\$ 347.33	\$ 195.09	\$ 234.11	\$ 269.30	\$ 273.12	\$ 230.28	\$ 312.14	\$ 191.26	\$ 351.16									
52947	6636	46311	\$ 1,439.13	\$ 378.61	\$ 1,060.52	\$ 848.66	\$ 590.47	\$ 708.56	\$ 612.48	\$ 876.65	\$ 494.39	\$ 944.74	\$ 376.29	\$ 1,062.84									
20987	14959	6028	\$ 624.15	\$ 486.11	\$ 138.04	\$ 547.29	\$ 76.86	\$ 92.23	\$ 516.55	\$ 107.60	\$ 501.18	\$ 122.97	\$ 485.81	\$ 138.34									
1938	679	1259	\$ 138.40	\$ 109.57	\$ 28.83	\$ 122.35	\$ 16.05	\$ 19.26	\$ 115.93	\$ 22.47	\$ 112.72	\$ 25.68	\$ 109.51	\$ 28.89									
11103	283	10820	\$ 372.11	\$ 124.33	\$ 247.78	\$ 234.16	\$ 137.96	\$ 165.55	\$ 178.97	\$ 193.14	\$ 151.38	\$ 220.73	\$ 123.79	\$ 248.32									
29575	104	29471	\$ 843.14	\$ 168.26	\$ 674.88	\$ 467.38	\$ 375.76	\$ 450.91	\$ 317.08	\$ 526.06	\$ 241.93	\$ 601.21	\$ 166.78	\$ 676.36									
554100	100	554000	\$ 15,139.89	\$ 2,453.29	\$ 12,686.60	\$ 8,076.39	\$ 7,063.50	\$ 8,476.20	\$ 5,250.99	\$ 9,888.90	\$ 3,838.29	\$ 11,301.60	\$ 2,425.59	\$ 12,714.30									
72543	8586	63957	\$ 1,954.23	\$ 628.05	\$ 1,326.18	\$ 1,138.78	\$ 815.45	\$ 978.54	\$ 812.60	\$ 1,141.63	\$ 649.51	\$ 1,304.72	\$ 486.42	\$ 1,467.81									
6169	2091	4078	\$ 231.58	\$ 138.19	\$ 93.39	\$ 179.59	\$ 51.99	\$ 62.39	\$ 158.79	\$ 72.79	\$ 148.39	\$ 83.19	\$ 137.99	\$ 93.59									
449617	1188	448429	\$ 11,549.07	\$ 1,280.05	\$ 10,269.02	\$ 5,831.60	\$ 5,717.47	\$ 6,860.96	\$ 3,544.61	\$ 8,004.46	\$ 2,401.12	\$ 9,147.95	\$ 1,257.62	\$ 10,291.45									
8865	1262	7603	\$ 315.04	\$ 140.93	\$ 174.11	\$ 218.10	\$ 96.94	\$ 116.33	\$ 179.33	\$ 135.71	\$ 159.94	\$ 155.10	\$ 140.55	\$ 174.49									
5542	1742	3800	\$ 230.30	\$ 143.28	\$ 87.02	\$ 181.85	\$ 48.45	\$ 58.14	\$ 162.47	\$ 67.83	\$ 152.78	\$ 77.52	\$ 143.09	\$ 87.31									
12084	2072	10012	\$ 409.12	\$ 179.85	\$ 229.27	\$ 281.47	\$ 127.65	\$ 153.18	\$ 230.41	\$ 178.71	\$ 204.88	\$ 204.24	\$ 179.34	\$ 229.78									
47534	4535	42999	\$ 1,301.10	\$ 316.42	\$ 984.68	\$ 752.86	\$ 548.24	\$ 657.88	\$ 533.57	\$ 767.53	\$ 423.92	\$ 877.18	\$ 314.27	\$ 986.83									
29849	10288	19561	\$ 850.13	\$ 402.18	\$ 447.95	\$ 600.73	\$ 249.40	\$ 299.28	\$ 500.97	\$ 349.16	\$ 451.09	\$ 399.04	\$ 401.21	\$ 448.92									
29831	1450	28381	\$ 849.67	\$ 199.75	\$ 649.92	\$ 487.81	\$ 361.86	\$ 434.23	\$ 343.07	\$ 506.60	\$ 270.70	\$ 578.97	\$ 198.33	\$ 651.34									
51524	190	51334	\$ 1,402.84	\$ 227.29	\$ 1,175.55	\$ 748.33	\$ 654.51	\$ 785.41	\$ 486.53	\$ 916.31	\$ 224.72	\$ 1,047.21	\$ 224.72	\$ 1,178.12									
3619	504	3115	\$ 221.98	\$ 150.65	\$ 71.33	\$ 182.26	\$ 39.72	\$ 47.66	\$ 166.38	\$ 55.60	\$ 152.81	\$ 63.55	\$ 150.49	\$ 71.49									
5898	1048	4850	\$ 239.38	\$ 128.31	\$ 111.07	\$ 177.54	\$ 61.84	\$ 74.21	\$ 152.81	\$ 86.57	\$ 140.44	\$ 98.94	\$ 128.07	\$ 111.31									
48074	1964	46110	\$ 1,314.87	\$ 258.95	\$ 1,055.92	\$ 726.97	\$ 587.90	\$ 705.48	\$ 491.81	\$ 823.06	\$ 374.23	\$ 940.64	\$ 256.65	\$ 1,058.22									
3855	440	3415	\$ 187.28	\$ 109.08	\$ 78.20	\$ 143.74	\$ 43.54	\$ 52.25	\$ 126.32	\$ 60.96	\$ 117.61	\$ 69.67	\$ 108.91	\$ 78.37									
6922	727	6195	\$ 265.49	\$ 123.63	\$ 141.86	\$ 186.50	\$ 78.99	\$ 94.78	\$ 154.91	\$ 110.58	\$ 139.11	\$ 126.38	\$ 123.31	\$ 142.18									
61180	126	61054	\$ 1,649.07	\$ 250.93	\$ 1,398.14	\$ 870.63	\$ 778.44	\$ 934.13	\$ 559.26	\$ 1,089.81	\$ 403.57	\$ 1,245.50	\$ 247.88	\$ 1,401.19									
56891	1325	55566	\$ 1,524.99	\$ 252.53	\$ 1,272.46	\$ 816.52	\$ 708.47	\$ 850.16	\$ 533.14	\$ 991.85	\$ 391.44	\$ 1,133.55	\$ 249.75	\$ 1,275.24									
5718	1713	4005	\$ 220.08	\$ 128.36	\$ 91.72	\$ 169.02	\$ 51.06	\$ 61.28	\$ 148.59	\$ 71.49	\$ 138.38	\$ 81.70	\$ 128.17	\$ 91.91									
5998	1547	4451	\$ 241.93	\$ 140.00	\$ 101.93	\$ 185.18	\$ 56.75	\$ 68.10	\$ 162.48	\$ 79.45	\$ 151.13	\$ 90.80	\$ 139.78	\$ 102.15									
27306	591	26715	\$ 785.28	\$ 173.51	\$ 611.77	\$ 444.66	\$ 340.62	\$ 408.74	\$ 308.42	\$ 476.86	\$ 240.29	\$ 544.99	\$ 172.17	\$ 613.11									
15112	186	14926	\$ 459.63	\$ 117.82	\$ 341.81	\$ 269.32	\$ 190.31	\$ 228.37	\$ 193.20	\$ 266.43	\$ 155.14	\$ 304.49	\$ 117.08	\$ 342.55									
13636	2000	11636	\$ 436.70	\$ 170.23	\$ 266.47	\$ 288.34	\$ 148.36	\$ 178.03	\$ 229.00	\$ 207.70	\$ 199.33	\$ 237.37	\$ 169.65	\$ 267.05									
94400	963	93437	\$ 2,508.18	\$ 368.47	\$ 2,139.71	\$ 1,316.86	\$ 1,191.32	\$ 1,429.59	\$ 840.33	\$ 1,667.85	\$ 602.07	\$ 1,906.11	\$ 363.80	\$ 2,144.38									
15242	2000	13242	\$ 477.65	\$ 174.41	\$ 303.24	\$ 308.81	\$ 168.84	\$ 202.60	\$ 241.28	\$ 236.37	\$ 207.51	\$ 270.14	\$ 173.75	\$ 303.90									
19526	1246	18280	\$ 586.89	\$ 168.28	\$ 418.61	\$ 353.82	\$ 233.07	\$ 279.68	\$ 260.59	\$ 326.30	\$ 213.98	\$ 372.91	\$ 167.36	\$ 419.53									
8993	2558	6435	\$ 318.30	\$ 170.94	\$ 147.36	\$ 236.25	\$ 82.05	\$ 98.46	\$ 203.44	\$ 114.86	\$ 187.03	\$ 131.27	\$ 170.62	\$ 147.68									
4776	1173	3603	\$ 210.77	\$ 128.26	\$ 82.51	\$ 164.83	\$ 45.94	\$ 55.13	\$ 146.46	\$ 64.31	\$ 137.27	\$ 73.50	\$ 128.08	\$ 82.69									
20008	1125	18883	\$ 599.18	\$ 166.76	\$ 432.42	\$ 358.42	\$ 240.76	\$ 288.91	\$ 262.12	\$ 337.06	\$ 213.97	\$ 385.21	\$ 165.82	\$ 433.36									
12135	3196	8939	\$ 398.42	\$ 193.72	\$ 204.70	\$ 284.45	\$ 113.97	\$ 136.77	\$ 371.16	\$ 159.56	\$ 216.06	\$ 182.36	\$ 193.27	\$ 205.15									
19332	7523	11809	\$ 581.95	\$ 311.52	\$ 270.43	\$ 431.39	\$ 150.56	\$ 180.68	\$ 310.79	\$ 210.79	\$ 341.05	\$ 240.90	\$ 310.93	\$ 271.02									
16866	2000	14866	\$ 559.78	\$ 219.35	\$ 340.43	\$ 370.24	\$ 189.54	\$ 227.45	\$ 294.42	\$ 265.36	\$ 256.51	\$ 303.27	\$ 218.61	\$ 341.17									
7368	2000	5368	\$ 317.58	\$ 194.66	\$ 122.92	\$ 249.14	\$ 68.44	\$ 82.13	\$ 221.76	\$ 95.82	\$ 208.07	\$ 109.51	\$ 194.38	\$ 123.20									
3640	2000	1640	\$ 222.52	\$ 184.96	\$ 37.56	\$ 201.61	\$ 20.91	\$ 25.09	\$ 193.25	\$ 29.27	\$ 189.06	\$ 33.46	\$ 184.88	\$ 37.64									
7864	2000	5864	\$ 391.25	\$ 256.97	\$ 134.28	\$ 316.48	\$ 74.77	\$ 89.72	\$ 286.58	\$ 104.67	\$ 271.62	\$ 119.63	\$ 256.67	\$ 134.58									
17056	2000	15056	\$ 509.20	\$ 164.42	\$ 344.78	\$ 317.24	\$ 191.96	\$ 230.36	\$ 240.45	\$ 268.75	\$ 202.06	\$ 307.14	\$ 163.66	\$ 345.54									
18771	2469	16302	\$ 567.64	\$ 194.32	\$ 373.32	\$ 359.79	\$ 207.85	\$ 249.42	\$ 276.65	\$ 290.99	\$ 235.08	\$ 332.56	\$ 193.51	\$ 374.13									
3972	2000	1972	\$ 190.27	\$ 145.11	\$ 45.16	\$ 165.13	\$ 25.14	\$ 30.17	\$ 155.07	\$ 35.20	\$ 150.04	\$ 40.23	\$ 145.01	\$ 45.26									
18633	2000	16633	\$ 564.12	\$ 183.23	\$ 380.89	\$ 352.05	\$ 212.07	\$ 254.48	\$ 267.22	\$ 296.90	\$ 224.81	\$ 339.31	\$ 182.39	\$ 381.73									
17126	2000	15126	\$ 275.69	\$ 179.30	\$ 346.39	\$ 332.83	\$ 192.86	\$ 231.43	\$ 255.69	\$ 270.00	\$ 217.12	\$ 308.57	\$ 178.55	\$ 347.14									
5718	3480	2238	\$ 275.51	\$ 224.26	\$ 51.25	\$ 246.98	\$ 28.53	\$ 34.24	\$ 235.56	\$ 39.95	\$ 229.85	\$ 45.66	\$ 224.15	\$ 51.36									
9462	2000	7462	\$ 330.26	\$ 159.38	\$ 170.88	\$ 235.12	\$ 95.14	\$ 114.17	\$ 197.06	\$ 133.20	\$ 178.04	\$ 152.22	\$ 159.01	\$ 171.25									
est water loss		1,893,536.00	\$ 57,342.07	lost revenue	\$ 43,223.53	lost revenue	\$ 24,162.58	lost revenue	\$ 26,971.16	lost revenue	\$ 33,799.52	lost revenue	\$ 38,628.13	lost revenue	\$ 43,456.55								

ITEM 4.C DRAFT LEAKAGE CONSIDERATION POLICY
COMMITTEE PROVIDED MATERIAL - TOM CRAWFORD

Leakage Credit	Lost Revenue(1000s)
50	24
60	29
70	34
80	39
90	44



8000	2	10.5	2	330.38	2	88.07
8000	2	11.2	2	332.27	2	88.17
8000	2	11.9	2	334.16	2	88.27
8000	2	12.6	2	336.05	2	88.37
8000	2	13.3	2	337.94	2	88.47
8000	2	14.0	2	339.83	2	88.57
8000	2	14.7	2	341.72	2	88.67
8000	2	15.4	2	343.61	2	88.77
8000	2	16.1	2	345.50	2	88.87
8000	2	16.8	2	347.39	2	88.97
8000	2	17.5	2	349.28	2	89.07
8000	2	18.2	2	351.17	2	89.17
8000	2	18.9	2	353.06	2	89.27
8000	2	19.6	2	354.95	2	89.37
8000	2	20.3	2	356.84	2	89.47
8000	2	21.0	2	358.73	2	89.57
8000	2	21.7	2	360.62	2	89.67
8000	2	22.4	2	362.51	2	89.77
8000	2	23.1	2	364.40	2	89.87
8000	2	23.8	2	366.29	2	89.97
8000	2	24.5	2	368.18	2	90.07
8000	2	25.2	2	370.07	2	90.17
8000	2	25.9	2	371.96	2	90.27
8000	2	26.6	2	373.85	2	90.37
8000	2	27.3	2	375.74	2	90.47
8000	2	28.0	2	377.63	2	90.57
8000	2	28.7	2	379.52	2	90.67
8000	2	29.4	2	381.41	2	90.77
8000	2	30.1	2	383.30	2	90.87
8000	2	30.8	2	385.19	2	90.97
8000	2	31.5	2	387.08	2	91.07
8000	2	32.2	2	388.97	2	91.17
8000	2	32.9	2	390.86	2	91.27
8000	2	33.6	2	392.75	2	91.37
8000	2	34.3	2	394.64	2	91.47
8000	2	35.0	2	396.53	2	91.57
8000	2	35.7	2	398.42	2	91.67
8000	2	36.4	2	400.31	2	91.77
8000	2	37.1	2	402.20	2	91.87
8000	2	37.8	2	404.09	2	91.97
8000	2	38.5	2	405.98	2	92.07
8000	2	39.2	2	407.87	2	92.17
8000	2	39.9	2	409.76	2	92.27
8000	2	40.6	2	411.65	2	92.37
8000	2	41.3	2	413.54	2	92.47
8000	2	42.0	2	415.43	2	92.57
8000	2	42.7	2	417.32	2	92.67
8000	2	43.4	2	419.21	2	92.77
8000	2	44.1	2	421.10	2	92.87
8000	2	44.8	2	422.99	2	92.97
8000	2	45.5	2	424.88	2	93.07
8000	2	46.2	2	426.77	2	93.17
8000	2	46.9	2	428.66	2	93.27
8000	2	47.6	2	430.55	2	93.37
8000	2	48.3	2	432.44	2	93.47
8000	2	49.0	2	434.33	2	93.57
8000	2	49.7	2	436.22	2	93.67
8000	2	50.4	2	438.11	2	93.77
8000	2	51.1	2	440.00	2	93.87
8000	2	51.8	2	441.89	2	93.97
8000	2	52.5	2	443.78	2	94.07
8000	2	53.2	2	445.67	2	94.17
8000	2	53.9	2	447.56	2	94.27
8000	2	54.6	2	449.45	2	94.37
8000	2	55.3	2	451.34	2	94.47
8000	2	56.0	2	453.23	2	94.57
8000	2	56.7	2	455.12	2	94.67
8000	2	57.4	2	457.01	2	94.77
8000	2	58.1	2	458.90	2	94.87
8000	2	58.8	2	460.79	2	94.97
8000	2	59.5	2	462.68	2	95.07
8000	2	60.2	2	464.57	2	95.17
8000	2	60.9	2	466.46	2	95.27
8000	2	61.6	2	468.35	2	95.37
8000	2	62.3	2	470.24	2	95.47
8000	2	63.0	2	472.13	2	95.57
8000	2	63.7	2	474.02	2	95.67
8000	2	64.4	2	475.91	2	95.77
8000	2	65.1	2	477.80	2	95.87
8000	2	65.8	2	479.69	2	95.97
8000	2	66.5	2	481.58	2	96.07
8000	2	67.2	2	483.47	2	96.17
8000	2	67.9	2	485.36	2	96.27
8000	2	68.6	2	487.25	2	96.37
8000	2	69.3	2	489.14	2	96.47
8000	2	70.0	2	491.03	2	96.57
8000	2	70.7	2	492.92	2	96.67
8000	2	71.4	2	494.81	2	96.77
8000	2	72.1	2	496.70	2	96.87
8000	2	72.8	2	498.59	2	96.97
8000	2	73.5	2	500.48	2	97.07
8000	2	74.2	2	502.37	2	97.17
8000	2	74.9	2	504.26	2	97.27
8000	2	75.6	2	506.15	2	97.37
8000	2	76.3	2	508.04	2	97.47
8000	2	77.0	2	509.93	2	97.57
8000	2	77.7	2	511.82	2	97.67
8000	2	78.4	2	513.71	2	97.77
8000	2	79.1	2	515.60	2	97.87
8000	2	79.8	2	517.49	2	97.97
8000	2	80.5	2	519.38	2	98.07
8000	2	81.2	2	521.27	2	98.17
8000	2	81.9	2	523.16	2	98.27
8000	2	82.6	2	525.05	2	98.37
8000	2	83.3	2	526.94	2	98.47
8000	2	84.0	2	528.83	2	98.57
8000	2	84.7	2	530.72	2	98.67
8000	2	85.4	2	532.61	2	98.77
8000	2	86.1	2	534.50	2	98.87
8000	2	86.8	2	536.39	2	98.97
8000	2	87.5	2	538.28	2	99.07
8000	2	88.2	2	540.17	2	99.17
8000	2	88.9	2	542.06	2	99.27
8000	2	89.6	2	543.95	2	99.37
8000	2	90.3	2	545.84	2	99.47
8000	2	91.0	2	547.73	2	99.57
8000	2	91.7	2	549.62	2	99.67
8000	2	92.4	2	551.51	2	99.77
8000	2	93.1	2	553.40	2	99.87
8000	2	93.8	2	555.29	2	99.97
8000	2	94.5	2	557.18	2	100.07
8000	2	95.2	2	559.07	2	100.17
8000	2	95.9	2	560.96	2	100.27
8000	2	96.6	2	562.85	2	100.37
8000	2	97.3	2	564.74	2	100.47
8000	2	98.0	2	566.63	2	100.57
8000	2	98.7	2	568.52	2	100.67
8000	2	99.4	2	570.41	2	100.77
8000	2	100.1	2	572.30	2	100.87
8000	2	100.8	2	574.19	2	100.97
8000	2	101.5	2	576.08	2	101.07
8000	2	102.2	2	577.97	2	101.17
8000	2	102.9	2	579.86	2	101.27
8000	2	103.6	2	581.75	2	101.37
8000	2	104.3	2	583.64	2	101.47
8000	2	105.0	2	585.53	2	101.57
8000	2	105.7	2	587.42	2	101.67
8000	2	106.4	2	589.31	2	101.77
8000	2	107.1	2	591.20	2	101.87
8000	2	107.8	2	593.09	2	101.97
8000	2	108.5	2	594.98	2	102.07
8000	2	109.2	2	596.87	2	102.17
8000	2	109.9	2	598.76	2	102.27
8000	2	110.6	2	600.65	2	102.37
8000	2	111.3	2	602.54	2	102.47
8000	2	112.0	2	604.43	2	102.57
8000	2	112.7	2	606.32	2	102.67
8000	2	113.4	2	608.21	2	102.77
8000	2	114.1	2	610.10	2	102.87
8000	2	114.8	2	611.99	2	102.97
8000	2	115.5	2	613.88	2	103.07
8000	2	116.2	2	615.77	2	103.17
8000	2	116.9	2	617.66	2	103.27
8000	2	117.6	2	619.55	2	103.37
8000	2	118.3	2	621.44	2	103.47
8000	2	119.0	2	623.33	2	103.57
8000	2	119.7	2	625.22	2	103.67
8000	2	120.4	2	627.11	2	103.77
8000	2	121.1	2	629.00	2	103.87
8000	2	121.8	2	630.89	2	103.97
8000	2	122.5	2	632.78	2	104.07
8000	2	123.2	2	634.67	2	104.17
8000	2	123.9	2	636.56	2	104.27
8000	2	124.6	2	638.45	2	104.37
8000	2	125.3	2	640.34	2	104.47
8000	2	126.0	2	642.23	2	104.57
8000	2	126.7	2	644.12	2	104.67
8000	2	127.4	2	646.01	2	104.77
8000	2	128.1	2	647.90	2	104.87
8000	2	128.8	2	649.79	2	104.97
8000	2	129.5	2	651.68	2	105.07
8000	2	130.2	2	653.57	2	105.17
8000	2	130.9	2	655.46	2	105.27
8000	2	131.6	2	657.35	2	105.37
8000	2	132.3	2	659.24	2	105.47
8000	2	133.0	2	661.13	2	105.57
8000	2	133.7	2	663.02	2	105.67
8000	2	134.4	2	664.91	2	105.77
8000	2	135.1	2	666.80	2	105.87
8000	2	135.8	2	668.69	2	105.97
8000	2	136.5	2	670.58	2	106.07
8000	2	137.2	2	672.47	2	106.17
8000	2	137.9	2	674.36	2	106.27
8000	2	138.6	2	676.25	2	106.37
8000	2	139.3	2	678.14	2	106.47
8000	2	140.0	2	680.03	2	106.57
8000	2	140.7	2	681.92	2	106.67
8000	2	141.4	2	683.81	2	106.77
8000	2	142.1	2	685.70	2	106.87
8000	2	142.8	2	687.59	2	106.97
8000	2	143.5	2	689.48	2	107.07
8000	2	144.2	2	691.37	2	107.17
8000	2	144.9	2	693.26	2	107.27
8000	2	145.6	2	695.15	2	107.37
8000	2	146.3	2	697.04	2	107.47
8000	2	147.0	2	698.93	2	107.57
8000	2	147.7	2	700.82	2	