

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.**

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**MISSION STATEMENT**

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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**

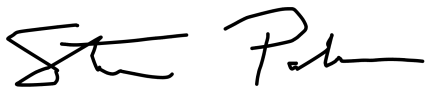
**Possible Committee Action:** Staff presentation. Review and comment.

**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.*

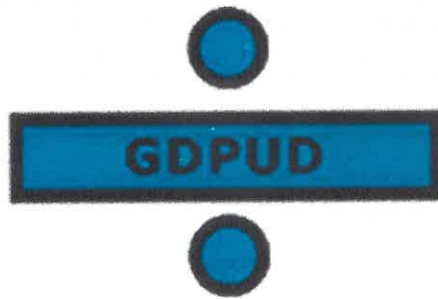
8. “A review of the District’s cash investment policy.”

*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 <sup>1</sup> 09.08.15 Packett-Corrected	<sup>2</sup>	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)

<sup>1</sup> Could not find July 2015 Balances

<sup>2</sup> 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

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**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.

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**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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[Government Websites by CivicPlus®](#)

(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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([HTTPS://WWW.GCS.D.ORG/USERS/SIGN\\_IN?DESTINATION=%2FLEAK-ADJUSTMENT-POLICY](https://www.gcsd.org/users/sign_in?destination=%2FLEAK-ADJUSTMENT-POLICY))

## 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
<b>est water loss</b>		<b>1,746,930.00</b>	<b>\$ 38,368.49</b>	<b>lost revenue</b>	<b>\$ 26,812.49</b>

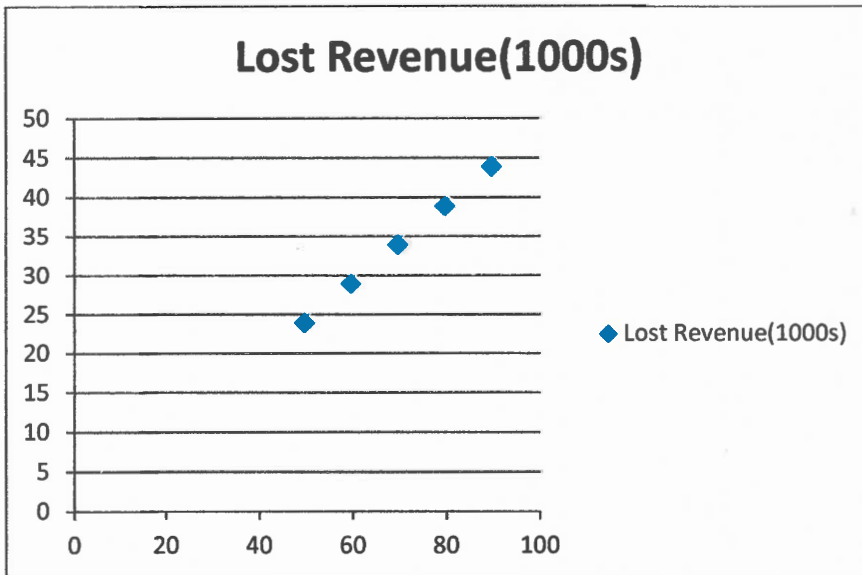




ITEM 4.C DRAFT LEAKAGE CONSIDERATION POLICY  
COMMITTEE PROVIDED MATERIAL - TOM CRAWFORD



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



8801	5000	1403	2	330.36	2	128.36	2	88.01
2142	2180	5596	2	112.27	2	53.43	2	21.42
75130	3000	12159	2	252.09	2	117.11	2	98.01
69881	5000	10897	2	201.25	2	181.88	2	320.28
5788	5000	15091	2	150.91	2	111.24	2	47.34
17081	2945	50897	2	147.93	2	52.181	2	317.83
13021	5000	20201	2	202.02	2	147.41	2	47.41
4981	5000	288	2	25.182	2	18.225	2	85.67
0438	5000	0481	2	55.525	2	38.881	2	92.78
4357	5000	808	2	28.178	2	33.182	2	50.557
9898	5000	8887	2	85.828	2	51.882	2	64.048
53891	2571	11001	2	29.182	2	25.118	2	69.055
15132	9188	8088	2	21.808	2	103.15	2	01.405
30000	1152	1888	2	81.882	2	798.38	2	473.48
4131	1113	808	2	11.015	2	92.851	2	18.58
8082	5228	9422	2	94.818	2	47.071	2	35.241
10250	1542	10821	2	88.282	2	85.881	2	19.811
1327	5000	1325	2	29.174	2	11.211	2	45.808
00400	198	13488	2	81.825	2	14.882	2	11.881
9381	5000	9387	2	93.87	2	57.111	2	14.882
1717	5000	1717	2	17.17	2	23.881	2	18.148
31301	5000	31301	2	31.301	2	68.185	2	11.118
2888	5000	2888	2	28.88	2	90.00	2	24.101
9178	5000	9178	2	90.00	2	92.851	2	59.18
18981	5000	18981	2	189.81	2	125.23	2	98.551
0818	5000	0818	2	8.18	2	60.00	2	41.881
5388	5000	5388	2	53.88	2	63.251	2	38.181
828	5000	828	2	8.28	2	80.801	2	05.81
1708	5000	1708	2	17.08	2	28.825	2	58.101
3018	5000	3018	2	30.18	2	12.881	2	11.118
4517	5000	4517	2	45.17	2	29.287	2	62.1
1888	5000	1888	2	18.88	2	65.133	2	82.281
5988	5000	5988	2	59.88	2	21.881	2	58.88
1474	5000	1474	2	14.74	2	81.504	2	62.174
4801	5000	4801	2	48.01	2	54.018	2	89.488
522	5000	522	2	5.22	2	28.817	2	11.851
982	5000	982	2	9.82	2	85.847	2	50.18
1388	5000	1388	2	13.88	2	66.041	2	11.471
4888	5000	4888	2	48.88	2	20.881	2	50.881
918	5000	918	2	9.18	2	61.881	2	62.88
527	5000	527	2	5.27	2	20.858	2	81.851
00122	5000	00122	2	0.0122	2	95.875	2	09.881
212	5000	212	2	2.12	2	92.881	2	88.128
1101	5000	1101	2	11.01	2	52.151	2	81.128
881	5000	881	2	8.81	2	12.801	2	69.88
5881	5000	5881	2	58.81	2	11.881	2	40.881
1881	5000	1881	2	18.81	2	18.818	2	52.881
1881	5000	1881	2	18.81	2	30.881	2	62.881
1881	5000	1881	2	18.81	2	18.881	2	68.81
1881	5000	1881	2	18.81	2	28.881	2	78.81
1881	5000	1881	2	18.81	2	38.881	2	88.81

Cap	Current	70%	50%
No Cap	43.2	33.8	24.1
500	14.4	12.6	10.5
1000	19.8	17.0	13.2
2000	24.1	19.9	15.4

Lost Revenue (1000s) £

19.1%  
4.4%  
2.1%

2.2  
5.4  
7.0

24.6  
1.8  
2.0%

H.L

8-1-2013  
11/10/13