



# DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642  
(630) 834-0100 Fax: (630) 834-0120

## AGENDA

### DUPAGE WATER COMMISSION

THURSDAY, NOVEMBER 16, 2017  
6:30 P.M.

600 EAST BUTTERFIELD ROAD  
ELMHURST, IL 60126

- I. Call to Order and Pledge of Allegiance
- II. Roll Call  
(Majority of the Commissioners then in Office—minimum 7)
- III. Public Comments (limited to 3 minutes per person)
- IV. Approval of Minutes  
(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

**RECOMMENDED MOTION: To approve the Minutes of the October 19, 2017 Regular Meeting of the DuPage Water Commission (Voice Vote).**

- V. Treasurer's Report – October 2017  
(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

**RECOMMENDED MOTION: To accept the October 2017 Treasurer's Report (Voice Vote).**

- VI. Committee Reports
  - A. Finance Committee
    1. Report of 11/16/17 Finance Committee
    2. Actions on Other Items Listed on 11/16/17 Finance Committee Agenda
  - B. Administration Committee
    1. Report of 11/16/17 Administration Committee
    2. Actions on Other Items Listed on 11/16/17 Administration Committee Agenda

All visitors must present a valid driver's license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

## C. Engineering &amp; Construction Committee

1. Report of 11/16/17 Engineering & Construction Committee
2. Resolution No. R-38-17: A Resolution Awarding Contract 2017 Flow Meter Replacement Project (**Meccon Industries, Inc., \$392,000.00**)

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

3. Request for Board Action: To suspend the purchasing procedures of the Commission's By-Laws and authorize the General Manager to approve Requisition No. 49276 (**Infor Enterprise Asset Management System Annual Software Maintenance Agreement – Global Solutions, Inc. \$45,485.68**)

(TO SUSPEND PURCHASING PROCEDURES: 2/3 Majority of those Commissioners Present, provided there is a quorum)

(Concurrence of a Majority of the Appointed Commissioners - 7)

4. Resolution No. R-39-17: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Greeley and Hansen at the November 16, 2017 DuPage Water Commission Meeting (**Greeley and Hansen - \$107,000**)

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

**RECOMMENDED MOTION: To adopt item numbers 2 through 4 under the Engineering & Construction Report section of the Agenda in a single group pursuant to the Omnibus Vote Procedures (Roll Call).**

5. Actions on Other Items Listed on 11/16/17 Engineering & Construction Committee Agenda

## VII. Accounts Payable

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

**RECOMMENDED MOTION: To approve the Accounts Payable in the amount of \$8,812,376.80 subject to submission of all contractually required documentation, for invoices that have been received (Roll Call).**

**RECOMMENDED MOTION: To approve the Accounts Payable in the amount of \$808,625.00 subject to submission of all contractually required documentation, for invoices that have not yet been received but have been estimated (Roll Call).**

- VIII. Chairman's Report
- IX. Omnibus Vote Requiring Majority Vote
- X. Omnibus Vote Requiring Super-Majority or Special Majority Vote
- XI. Old Business
- XII. New Business

Legal Services

(Affirmative Majority of the Appointed Commissioners, containing the votes of at least 1/3 of the County Appointed Commissioners and 40% of the Municipal Appointed Commissioners—3 County + 3 Muni+1=7)

**RECOMMENDED MOTION: To appoint XX as General Counsel and to authorize the General Manager to negotiate the terms of the engagement at an hourly rate of XX.**

- XIII. Executive Session

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

**RECOMMENDED MOTION: To go into Executive Session to discuss security procedures pursuant to 5 ILCS 120/2(c)(8), to discuss matters related to personnel pursuant to 5 ILCS 120/2(c)(1) and (2), to discuss acquisition of real estate pursuant to 5 ILCS 120/2(c)(5), to discuss pending, probable, or imminent litigation pursuant to 5 ILCS 120/2(c)(11), and/or to discuss minutes of closed meetings pursuant to 5 ILCS 120/2(c)(21) (Roll Call).**

**RECOMMENDED MOTION: To come out of Executive Session (Voice Vote).**

- XIV. Adjournment

(Concurrence of a Majority of those Commissioners Present, provided there is a quorum—minimum 4)

**MINUTES OF A MEETING OF THE  
DuPAGE WATER COMMISSION  
HELD ON THURSDAY, OCTOBER 19, 2017  
600 E. BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order by Chairman Zay at 6:32 P.M.

Commissioners in attendance: J. Broda, J. Fennell, J. Healy, D. Loftus, D. Novotny, R. Obarski, J. Pruyne, D. Russo, F. Saverino, M. Scheck, P. Suess, and J. Zay

Commissioners Absent: R. Gans

Also in attendance: Treasurer W. Fates, C. Johnson, C. Peterson, J. Schori, R.C. Bostick, E. Kazmierczak, F. Frelka, J. Rodriguez, P. Luetkehans representing Gorski & Good and M. Nugent of Nugent Consulting, LLC

**PUBLIC COMMENT**

None

**APPROVAL OF MINUTES**

Commissioner Healy moved to approve the Minutes of the September 21, 2017 Regular Meeting of the DuPage Water Commission. Seconded by Commissioner Russo and unanimously approved by a Voice Vote.

All voted aye. Motion carried.

**TREASURER'S REPORT**

Treasurer Fates presented the September 2017 Treasurer's Report consisting of 12 pages each, noting that pages 1, 2 and 3 contained a brief summary of each report.

Treasurer Fates pointed out the \$166.8 million of cash and investments on page 4, which reflected a decrease of about \$0.7 million from the previous month. Treasurer Fates also pointed out the schedule of investments on pages 5 through 10 totaling \$146.9 million and the market yield on the total portfolio showed 1.40% basis points which reflected an increase from the prior month. On page 11, the statement of cash flows showed an increase in cash and investments by about \$4.8 million and operating activities increased cash by approximately \$5.8 million, and roughly \$259,000 of sales tax was received. On page 12, the monthly cash/operating report showed that the Commission had met or exceeded all of its reserve requirements.

Commissioner Suess moved to accept the September 2017 Treasurer's Report. Seconded by Commissioner Russo and unanimously approved by a Voice Vote.

All voted aye. Motion carried.

**COMMITTEE REPORTS**

**Finance Committee – Reported by Commissioner Pruyn**

It was noted that Commissioner Pruyn would be presenting the Finance Report as Commissioner Suess would be recusing himself from any discussion or vote related to the Committee items.

Commissioner Pruyn reported that the Finance Committee reviewed and recommended for approval the action item listed on the Finance Committee Agenda. After providing a brief summary, Commissioner Pruyn moved to adopt item numbers 2 through 4 under the Finance Report section of the Agenda in a single group pursuant to the Omnibus Vote Procedures. Seconded by Commissioner Russo.

With regards to the renewal of the property and liability insurance, Commissioner Obarski questioned and Mr. Nugent explained that the reason Grundy/Arch was unable to provide the first layer umbrella coverage was because Grundy/Arch no longer provides that type of coverage. With no further discussion, the motion was unanimously approved by a Roll Call Vote.

Ayes: J. Broda, J. Fennell, J. Healy, D. Loftus, D. Novotny, R. Obarski, J. Pruyn, D. Russo, F. Saverino, M. Scheck, and J. Zay

Nays: None

Recused: P. Suess

Absent: R. Gans

Item 2: Request for Board Action - To suspend the purchasing procedures of the Commission's By-Laws and to Purchase Property and Liability Insurance (total premium of approximately \$433,000.00 as proposed by Marsh USA and outlined by Nugent Consulting Group)

Item 3: Request For Board Action - To suspend the purchasing procedures of the Commission's By-Laws and to purchase Workers' Compensation and Employer's Liability Insurance (total premium not-to-exceed \$97,000 as proposed by Illinois Public Risk Fund and outlined by Nugent Consulting Group)

Item 4: Resolution No. R-35-17: A Resolution Amending the Reserve Fund Policy of the DuPage Water Commission

## Minutes of the 10/19/17 Commission Meeting

### **Administration Committee – Reported by Commissioner Healy**

Commissioner Healy reported that the Administration Committee reviewed and recommended for approval all action items listed on the Administration Committee Agenda. After providing a brief summary, Commissioner Healy moved to adopt item numbers 2 and 3 under the Administration Report section of the Agenda in a single group pursuant to the Omnibus Vote Procedures. Seconded by Commissioner Obarski and unanimously approved by a Roll Call Vote.

Ayes: J. Broda, J. Fennell, J. Healy, D. Loftus, D. Novotny, R. Obarski, J. Pruy, D. Russo, F. Saverino, M. Scheck, P. Suess and J. Zay

Nays: None

Absent: R. Gans

Item 2: Resolution No. R-36-17: A Resolution Authorizing the DuPage Water Commission's Participation in the National Conference of Public Employee Retirement Systems Group Voluntary Life Insurance Plan for Illinois Municipal Retirement Fund Members Active Employees

Item 3: Request For Board Action: To Suspend the Purchasing Procedures of the Commission's By-Laws and Authorize the General Manager to enter into an Agreement to continue to use Reach HR Consulting for a two year period. (\$100/per hour, as needed)

### **Engineering & Construction Committee – Reported by Commissioner Loftus**

Commissioner Loftus reported that the Engineering & Construction Committee reviewed and recommended for approval all action items listed on the Engineering & Construction Committee Agenda. After providing a brief summary of all items, Commissioner Loftus moved to adopt item numbers 2 through 6 under the Engineering & Construction Report section of the Agenda in a single group pursuant to the Omnibus Vote Procedures. Seconded by Commissioner Fennell and unanimously approved by a Roll Call Vote.

Ayes: J. Broda, J. Fennell, J. Healy, D. Loftus, D. Novotny, R. Obarski, J. Pruy, D. Russo, F. Saverino, M. Scheck, P. Suess and J. Zay

Nays: None

Absent: R. Gans

Item 2: Resolution No. R-33-17: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-11/17 at the October 19, 2017, DuPage Water Commission Meeting (John Neri Construction Co., Inc., at an estimated cost of \$138,500.00)

Minutes of the 10/19/17 Commission Meeting

- Item 3: Resolution No. R-34-17: A Resolution Directing Advertisement for Bids on a Contract for Quick Response Electrical Work Contract QRE-8/17 at the October 19, 2017, DuPage Water Commission (No Cost)
- Item 4: Resolution No, R-37-17: A Resolution Directing Advertisement for Bids on a Contract for Hot Water Heater Replacement (No Cost)
- Item 5: Request for Board Action: To Authorize the General Manager to execute an extension of the current Electrical Supply Agreement with Constellation Energy Services
- Item 6: Request for Board Action: To Authorize the General Manager to accept a Proposal from Corrpro for Professional Services for the Bartlett Supply Line (Corrpro not-to-exceed \$22,000.00)

**ACCOUNTS PAYABLE**

Commissioner Suess moved to approve the Accounts Payable in the amount of \$10,856,700.50 subject to submission of all contractually required documentation, for invoices that have been received and to approve the Accounts Payable in the amount of \$2,634,660.00 subject to submission of all contractually required documentation, for invoices that have not yet been received but have been estimated. Seconded by Commissioner Healy and unanimously approved by a Roll Call Vote.

Ayes: J. Broda, J. Fennell, J. Healy, D. Loftus, D. Novotny, R. Obarski, J. Pruyn, D. Russo, F. Saverino, M. Scheck, P. Suess and J. Zay

Nays: None

Absent: R. Gans

**CHAIRMAN'S REPORT**

None

**OMNIBUS VOTE REQUIRING MAJORITY VOTE**

None

**OMNIBUS VOTE REQUIRING SUPER-MAJORITY OR SPECIAL MAJORITY VOTE**

None

**OLD BUSINESS**

None

Minutes of the 10/19/17 Commission Meeting

**NEW BUSINESS**

None

**EXECUTIVE SESSION**

None

Commissioner Loftus moved to adjourn the meeting at 6:42 P.M. Seconded by  
Commissioner Scheck and unanimously approved by a Voice Vote.

All voted aye. Motion carried.

Board/Minutes/Commission/2017/Rcm171019docx



## DUPAGE WATER COMMISSION INTEROFFICE MEMORANDUM

**TO:** Chairman and Commissioners  
**FROM:** Bill Fates, Treasurer  
**DATE:** November 7, 2017  
**SUBJECT:** TREASURER'S REPORT – October 31, 2017

I am pleased to report that I have reviewed and approved all journal entries and bank reconciliations for the month of October. I have also reviewed the monthly financial statements and budget status reports, and found them to be in order.

### **Summary of Cash & Investments (Page 4)**

1. Cash and investments totaled \$167.3 million at October 31<sup>st</sup>, an increase of \$0.6 million compared to the previous month.
2. The balance in the BMO Harris checking account was \$20.2 million at October 31<sup>st</sup>, an increase of approximately \$0.4 million compared to the \$19.8 million reported last month.
3. The BMO Harris money market accounts had \$12.1 million at month-end, relatively unchanged from the prior month balance.
4. During the month of October, the IIIT money market accounts increased by approximately \$2.9 million from the prior month.
5. In October, our holdings of U.S. Treasury investments increased by \$3.1 million, and U.S. Agency investments and Commercial Paper decreased by approximately \$3.7 million and \$2.8 million, respectively.
6. The current holdings of cash and investments are in compliance with the approved investment policy.
7. For the six months ended October 31, 2017, the Commission's cash and investments increased a total of \$5.4 million.
  - The Operating & Maintenance Account decreased by \$0.4 million, for an ending balance of \$32.3 million.
  - The General Account decreased by \$16.2 million, for an ending balance of \$3.5 million. The Commission transferred \$21.3 million of investments from the General Account to the Capital Reserve account in June.
  - The Sales Tax Account remained unchanged at \$277.
  - The Capital Reserve Fund increased \$21.5 million for a balance of \$51.4 million.

- The Operating Reserve Account increased \$394,231 for a balance of \$67.6 million.
- The Long-Term Capital Reserve Account increased by \$95,697 for a balance of \$12.5 million.

The following table presents a summary of the changes in cash position by account.

**Cash and Investments by Account**

Account	Balance 4/30/2017	Balance 10/31/2017	Increase (Decrease)
Operations & Maintenance	\$32,727,195	\$32,315,637	\$(411,558)
General Account	19,715,309	3,475,637	(16,239,672)
Sales Tax	275	277	2
Operating Reserve	67,223,928	67,618,159	394,231
Capital Reserve	29,853,221	51,389,538	21,536,317
Long-Term Cap. Reserve	12,415,641	12,511,338	95,697
<b>Total Cash &amp; Investments</b>	<b>\$161,935,569</b>	<b>\$167,310,586</b>	<b>\$5,375,017</b>

**Schedule of Investments (Pages 5-10)**

1. The average yield to maturity on the Commission's investments was 1.42%, an increase from the prior month average yield to maturity of 1.40%.
2. The portfolio is showing estimated unrealized losses of \$898,100 at October 31, 2017, compared to \$541,239 in unrealized losses at April 30, 2017.
3. The amortized cost of our investments was \$147.1 million at October 31<sup>st</sup>, up slightly from the previous month due to interest earned.

**Statement of Cash Flows (Page 11)**

1. The statement of cash flows shows a breakdown of the \$5.4 million increase in cash and investments for the fiscal year.
2. Operating activities increased cash by \$6.3 million.
3. Approximately \$276,000 of sales tax revenue was received.
4. Capital Assets purchased were about \$1.7 million year-to-date.
5. Cash flow from investment activity generated \$912,000 of income.

**Reserve Analysis (Page 12)**

1. The reserve analysis report shows the commission has met or exceeded all recommended reserve balances at October 31<sup>st</sup>.
2. The Operating and Maintenance Account was \$32.3 million which is a balance currently sufficient enough to cover an estimated 90 days of normal operation and maintenance costs.

3. The Operating Reserve account was \$67.5 million which is approximately 190 days, this amount meets the minimum balance per the reserve policy.

Respectfully submitted,

  
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Bill Fates, CPA  
Treasurer

DU PAGE WATER COMMISSION  
 TREASURER'S REPORT  
 SUMMARY OF CASH AND INVESTMENTS  
 October 31, 2017

FUNDS CONSIST OF:	October 31, 2017	September 30, 2017	INCR. - (DECR.)
PETTY CASH	1,200.00	1,200.00	0.00
CASH AT HARRIS BANK	20,210,325.45	19,840,413.23	369,912.22
<b>TOTAL CASH</b>	<b>20,211,525.45</b>	<b>19,841,613.23</b>	<b>369,912.22</b>
IIIT MONEY MARKET FUNDS	4,548,622.53	1,678,838.53	2,869,784.00
BMO HARRIS MONEY MARKET FUNDS	12,104,111.59	12,091,643.95	12,467.64
U. S. TREASURY INVESTMENTS	57,127,000.57	54,031,688.24	3,095,312.33
U. S. AGENCY INVESTMENTS	52,544,218.45	56,209,665.47	(3,665,447.02)
MUNICIPAL BONDS	6,189,926.53	6,225,299.89	(35,373.36)
COMMERCIAL PAPER	8,378,889.57	11,166,770.28	(2,787,880.71)
ASSET BACKED SEC/COLLATERALIZED MORTGAGE OBLIG	6,206,291.34	5,511,132.41	695,158.93
<b>TOTAL INVESTMENTS</b>	<b>147,099,060.58</b>	<b>146,915,038.77</b>	<b>184,021.81</b>
<b>TOTAL CASH AND INVESTMENTS</b>	<b>167,310,586.03</b>	<b>166,756,652.00</b>	<b>553,934.03</b>
	<b>October 31, 2017</b>	<b>September 30, 2017</b>	<b>% CHANGE</b>
IIIT MONEY MARKET FUNDS	3.1%	1.1%	170.9%
BMO HARRIS MONEY MARKET FUNDS	8.2%	8.2%	0.1%
U. S. TREASURY INVESTMENTS	38.8%	36.8%	5.7%
U. S. AGENCY INVESTMENTS	35.7%	38.3%	-6.5%
MUNICIPAL BONDS	4.2%	4.2%	-0.6%
COMMERCIAL PAPER	5.7%	7.6%	-25.0%
ASSET BACKED SEC/COLLATERALIZED MORTGAGE OBLIG	4.2%	3.8%	12.6%
<b>TOTAL INVESTMENTS</b>	<b>99.9%</b>	<b>100.0%</b>	<b>0.1%</b>

Note 1 - Investments are carried at amortized cost.

DU PAGE WATER COMMISSION  
INVESTMENTS  
(Unaudited)  
October 31, 2017

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	AMORTIZED COST	AMORTIZED DISCOUNT (PREMIUM)	PURCHASE PRICE	ACCRUED INTEREST 10/31/17
<b>Water Fund Oper. &amp; Maint. Acct. (01-121103)</b>										
BMO Harris - Money Market	1.220%	10/31/17	11/01/17	1	1.220%	\$ 12,104,111.59	\$ 12,104,111.59	\$ -	\$ 12,104,111.59	-
<b>Water Fund General Account (01-121700)</b>										
IIIT - Money Market	1.130%	10/31/17	11/01/17	1	1.130%	979,543.08	979,543.08	-	979,543.08	-
Bank of Tokyo Mitsubishi UFJ CP	0.000%	08/02/17	11/02/17	2	1.280%	1,500,000.00	1,499,946.66	4,853.33	1,495,093.33	-
JP Morgan Securities LLC CP	0.000%	08/02/17	02/06/18	98	1.440%	1,000,000.00	996,146.94	3,614.72	992,532.22	-
	Weighted Avg Maturity		29		1.284%	\$ 3,479,543.08	\$ 3,475,636.68	\$ 8,468.05	\$ 3,467,168.63	\$ -
<b>Sales Tax Funds (01-123000)</b>										
IIIT - Money Market	1.130%	10/31/17	11/01/17	1	1.130%	276.70	276.70	-	276.70	-
	Weighted Avg Maturity		1		1.130%	\$ 276.70	\$ 276.70	\$ -	\$ 276.70	\$ -

DU PAGE WATER COMMISSION  
INVESTMENTS  
(Unaudited)  
October 31, 2017

FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	AMORTIZED COST	AMORTIZED DISCOUNT (PREMIUM)	PURCHASE PRICE	ACCRUED INTEREST 10/31/17
Water Fund Operating Reserve (01-121800)										
IIIT - Money Market	1.130%	10/31/17	11/01/17	1	1.130%	2,202,877.77	2,202,877.77	-	2,202,877.77	-
US Treasury Notes	1.625%	11/14/16	04/30/19	546	1.060%	205,000.00	206,713.79	(1,088.94)	207,802.73	9.20
US Treasury Notes	2.000%	12/04/15	07/31/20	1,004	1.580%	475,000.00	480,366.83	(3,595.09)	483,961.92	2,400.82
US Treasury Notes	2.125%	12/30/15	08/31/20	1,035	1.740%	575,000.00	581,128.40	(3,821.80)	584,950.20	2,092.71
US Treasury Notes	1.750%	02/03/16	10/31/20	1,096	1.350%	740,000.00	748,770.03	(4,931.53)	753,701.56	35.77
US Treasury Notes	2.625%	05/03/16	11/15/20	1,111	1.210%	2,400,000.00	2,500,853.90	(48,021.10)	2,548,875.00	29,103.26
US Treasury Notes	2.000%	03/24/16	11/30/20	1,126	1.380%	2,000,000.00	2,037,223.62	(18,792.01)	2,056,015.63	16,830.60
US Treasury Notes	2.375%	03/31/16	12/31/20	1,157	1.280%	775,000.00	801,188.67	(12,742.97)	813,931.64	6,202.11
US Treasury Notes	2.000%	07/06/16	02/28/21	1,216	0.920%	775,000.00	802,316.35	(10,585.99)	812,902.34	2,654.70
US Treasury Notes	1.250%	06/27/16	03/31/21	1,247	0.980%	1,265,000.00	1,276,639.76	(4,469.23)	1,281,108.99	1,390.11
US Treasury Notes	2.000%	01/05/17	05/31/21	1,308	1.870%	1,300,000.00	1,305,749.81	(1,258.00)	1,307,007.81	10,939.89
US Treasury Notes	2.000%	09/01/16	05/31/21	1,308	1.220%	1,950,000.00	2,003,261.62	(16,816.51)	2,020,078.13	16,409.84
US Treasury Notes	2.000%	10/05/16	08/31/21	1,400	1.210%	1,275,000.00	1,312,615.19	(10,247.11)	1,322,862.30	4,367.40
US Treasury Notes	2.000%	12/05/16	08/31/21	1,400	1.930%	2,150,000.00	2,155,226.24	(1,156.57)	2,156,382.81	7,364.64
US Treasury Notes	1.250%	03/13/17	10/31/21	1,461	2.110%	855,000.00	826,818.79	4,215.27	822,603.52	29.52
US Treasury Notes	2.000%	08/30/17	10/31/21	1,461	1.640%	2,000,000.00	2,027,416.78	(1,098.85)	2,028,515.63	110.50
US Treasury Notes	1.750%	04/03/17	11/30/21	1,491	1.860%	1,500,000.00	1,493,606.12	871.74	1,492,734.38	11,045.08
US Treasury Notes	1.750%	10/03/17	11/30/21	1,491	1.860%	1,500,000.00	1,495,280.33	85.02	1,495,195.31	11,045.08
US Treasury Notes	2.125%	06/28/17	12/31/21	1,522	1.720%	4,000,000.00	4,065,584.80	(5,196.45)	4,070,781.25	28,641.30
US Treasury Notes	1.750%	08/01/17	02/28/22	1,581	1.780%	1,800,000.00	1,797,677.42	138.36	1,797,539.06	5,395.03
US Treasury Notes	1.750%	05/11/17	04/30/22	1,642	1.930%	1,050,000.00	1,041,763.42	827.87	1,040,935.55	50.76
Inter-American Development Bank	1.000%	04/12/16	05/13/19	559	1.100%	790,000.00	788,811.74	1,181.74	787,630.00	3,686.67
African Development Bank Note	1.125%	09/14/16	09/20/19	689	1.160%	505,000.00	504,661.33	196.63	504,464.70	647.03
Intl Bank of Recons and Dev Notes Global Notes	1.125%	08/18/17	11/27/19	757	1.500%	850,000.00	843,605.43	576.56	843,028.87	4,090.63
Intl Bank of Recons and Dev Notes (World Bank)	1.625%	03/14/16	03/09/21	1,225	1.730%	925,000.00	921,996.56	1,399.56	920,597.00	2,171.18
MS ST Taxable GO Bonds	1.472%	02/18/15	10/01/18	335	1.470%	150,000.00	150,000.00	-	150,000.00	184.00
NYC, NY Taxable GO Bonds	1.650%	03/31/15	10/01/18	336	1.650%	565,000.00	565,000.00	-	565,000.00	776.88
CT ST Taxable GO Bonds	1.974%	03/25/15	03/15/19	500	1.970%	300,000.00	300,000.00	-	300,000.00	756.70
UNIV OF CAL Taxable Rev Bonds	2.003%	03/25/15	05/15/19	561	2.000%	135,000.00	135,000.00	-	135,000.00	1,246.87
FL ST Board Admin Fin Corp Taxable Rev Bonds	2.163%	03/08/16	07/01/19	608	2.160%	925,000.00	925,000.00	-	925,000.00	6,669.25
CT ST Taxable GO Bonds	1.300%	08/03/16	08/15/19	653	1.230%	710,000.00	710,922.84	(610.96)	711,533.60	1,948.56
MS ST Taxable GO Bonds	1.679%	02/18/15	10/01/19	700	1.680%	310,000.00	310,000.00	-	310,000.00	433.74
NY Trans Fin Auth, NY Txbi Rev Bonds	2.750%	04/23/15	02/01/20	823	1.880%	375,000.00	382,145.88	(7,670.37)	389,816.25	2,578.13
NY Trans Fin Auth, NY Txbi Rev Bonds	1.500%	07/14/16	05/01/21	1,278	1.500%	600,000.00	600,000.00	-	600,000.00	4,500.00
FNMA Pool #AJ3174	3.500%	02/17/16	10/01/26	3,257	2.270%	319,111.76	337,154.76	(1,901.48)	339,056.24	930.74
FNMA Pool #AT3221	3.500%	06/17/16	03/01/27	3,408	2.270%	388,904.63	411,772.87	(1,681.37)	413,454.24	1,134.31
FNMA Pool #AU1266	3.000%	10/31/17	07/25/28	3,920	2.240%	659,835.62	676,640.81	-	676,640.81	1,649.59
FNMA Pool #AS4197	3.500%	07/16/15	01/01/30	4,445	2.620%	261,435.89	274,458.92	(2,336.33)	276,795.25	762.52
FHLMC Pool #U49048	3.000%	03/17/16	08/01/30	4,657	2.350%	390,501.13	405,388.55	(2,258.02)	407,646.57	976.25
FNMA Pool #AL7738	3.500%	02/17/16	11/01/30	4,749	2.550%	422,152.23	445,514.54	(4,011.62)	449,526.16	1,231.28

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FUND SOURCE	COUPON RATE	PURCHASE DATE	MATURITY DATE		YIELD TO MATURITY (COST)	PAR VALUE	AMORTIZED COST	AMORTIZED DISCOUNT (PREMIUM)	PURCHASE PRICE	ACCRUED INTEREST 10/31/17
Water Fund Operating Reserve (01-121800) Continued...										
FNMA Series 2015-M1 ASQ2	1.626%	01/30/15	02/01/18	93	1.260%	73,122.05	73,122.05	(730.67)	73,852.72	99.08
FNMA Series 2015-M7 ASQ2	1.550%	04/30/15	04/01/18	152	0.830%	74,900.78	74,934.64	(714.88)	75,649.52	96.75
FNMA Series 2015-M15 ASQ2	1.899%	11/30/15	01/01/19	427	1.200%	122,572.61	122,903.69	(894.63)	123,798.32	193.88
Fannie Mae Series 2015-M13 ASQ2	1.646%	10/30/15	09/01/19	670	1.080%	294,278.59	295,465.97	(1,759.50)	297,225.47	403.65
Fannie Mae Series 2016-M1 ASQ2	2.132%	01/29/16	02/01/21	1,189	1.680%	925,000.00	930,511.81	(3,721.91)	934,233.72	1,643.42
FNMA Series 2010-18 LV	4.500%	07/21/15	04/01/21	1,248	2.030%	249,999.00	249,999.00	(17,343.69)	267,342.69	937.50
FNMA Benchmark Note	1.125%	09/01/15	10/19/18	353	1.180%	800,000.00	799,594.30	890.30	798,704.00	300.00
Fannie Mae Global Notes	1.625%	10/23/14	11/27/18	392	1.390%	990,000.00	992,515.16	(6,889.84)	999,405.00	6,881.88
FNMA Benchmark Note	1.375%	01/08/16	01/28/19	454	1.400%	275,000.00	274,929.60	100.10	274,829.50	976.82
FNMA Benchmark Note	1.000%	02/23/16	02/26/19	483	1.080%	1,100,000.00	1,098,851.20	1,447.20	1,097,404.00	1,986.11
FNMA Benchmark Note	1.000%	08/05/16	02/26/19	483	0.900%	2,255,000.00	2,257,968.91	(2,736.24)	2,260,705.15	4,071.53
Freddie Mac Notes	1.125%	03/24/16	04/15/19	531	1.150%	1,700,000.00	1,699,410.85	634.85	1,698,776.00	850.00
FNMA Notes	1.750%	06/30/16	06/20/19	597	0.800%	1,000,000.00	1,015,333.90	(12,376.10)	1,027,710.00	6,368.06
FHLB Global Note	1.125%	06/02/16	06/21/19	598	1.140%	1,050,000.00	1,049,760.36	201.36	1,049,559.00	4,265.63
FHLMC Reference Note	0.875%	07/20/16	07/19/19	626	0.960%	1,500,000.00	1,497,716.24	1,676.24	1,496,040.00	3,718.75
FNMA Benchmark Note	0.875%	07/29/16	08/02/19	640	0.930%	1,600,000.00	1,598,420.67	1,108.67	1,597,312.00	3,461.11
FHLB Global Note	0.875%	08/03/16	08/05/19	643	0.940%	600,000.00	599,320.52	472.52	598,848.00	1,254.17
FHLB Notes	1.375%	11/17/16	11/15/19	745	1.380%	1,790,000.00	1,789,717.54	129.24	1,789,588.30	11,349.10
FNMA Benchmark Note	1.750%	12/03/14	11/26/19	756	1.610%	475,000.00	476,302.98	(1,760.77)	478,063.75	3,578.99
FNMA Notes	1.500%	02/24/17	02/28/20	850	1.520%	1,075,000.00	1,074,464.18	152.18	1,074,312.00	2,821.88
FHLMC Agency	1.375%	04/19/17	04/20/20	902	1.490%	1,075,000.00	1,071,961.95	638.45	1,071,323.50	451.65
FNMA Notes	1.500%	08/01/17	07/30/20	1,003	1.600%	1,500,000.00	1,495,826.46	371.46	1,495,455.00	5,625.00
FHLB Notes	1.375%	09/08/17	09/28/20	1,063	1.480%	600,000.00	598,163.56	89.56	598,074.00	756.25
FHLB Global Note	1.125%	08/02/16	07/14/21	1,352	1.210%	1,000,000.00	997,106.03	946.03	996,160.00	3,343.75
FHLB Global Note	1.125%	07/14/16	07/14/21	1,352	1.250%	1,525,000.00	1,518,074.24	2,347.76	1,515,726.48	5,099.22
Fannie Mae Notes	1.875%	04/06/17	04/05/22	1,617	1.970%	1,120,000.00	1,115,509.25	538.05	1,114,971.20	1,516.67
Bank of Montreal Chicago CP	0.000%	02/16/17	11/13/17	13	1.330%	2,000,000.00	1,999,120.00	18,846.67	1,980,273.33	-
Weighted Avg Maturity				1,095	1.463%	\$ 67,144,692.06	\$ 67,618,158.73	\$ (173,137.14)	\$ 67,791,295.87	\$ 264,543.50

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Water Fund L-T Water Capital Reserve (01-121900)										
IIIT - Money Market (PFM Asset Management)	1.130%	10/31/17	11/01/17	1	1.130%	62,429.19	62,429.19	-	62,429.19	-
US Treasury Notes	1.125%	04/24/15	04/30/20	912	1.350%	300,000.00	298,356.84	1,602.93	296,753.91	9.32
US Treasury Notes	1.750%	02/03/16	10/31/20	1,096	1.350%	250,000.00	252,962.85	(1,666.06)	254,628.91	12.09
US Treasury Notes	2.000%	03/28/16	11/30/20	1,126	1.380%	265,000.00	269,956.92	(2,485.85)	272,442.77	2,230.05
US Treasury Notes	1.625%	11/14/16	11/30/20	1,126	1.400%	320,000.00	322,146.85	(653.15)	322,800.00	2,187.98
US Treasury Notes	2.000%	03/28/16	10/31/21	1,461	1.520%	275,000.00	280,076.70	(1,937.95)	282,014.65	15.19
US Treasury Notes	1.875%	01/12/15	11/30/21	1,491	1.780%	260,000.00	261,018.93	(656.85)	261,675.78	2,051.23
US Treasury Notes	1.500%	12/30/15	01/31/22	1,553	2.040%	75,000.00	73,364.03	666.76	72,697.27	284.31
US Treasury Notes	1.500%	09/03/15	01/31/22	1,553	1.870%	350,000.00	344,751.76	2,517.38	342,234.38	1,326.77
US Treasury Notes	1.625%	02/26/15	08/15/22	1,749	1.820%	175,000.00	173,465.72	803.61	172,662.11	602.75
US Treasury Notes	1.625%	12/04/15	11/15/22	1,841	1.930%	200,000.00	197,128.34	1,018.96	196,109.38	1,501.36
US Treasury Notes	1.500%	02/01/17	03/31/23	1,977	2.210%	425,000.00	409,763.67	1,962.89	407,800.78	560.44
US Treasury Notes	1.750%	04/24/15	05/15/23	2,022	1.790%	390,000.00	389,144.86	363.61	388,781.25	3,152.85
US Treasury Notes	1.375%	08/31/17	06/30/23	2,068	1.850%	175,000.00	170,506.34	127.43	170,378.91	810.80
US Treasury Notes	1.375%	01/03/17	08/31/23	2,130	2.240%	200,000.00	190,556.37	1,236.06	189,320.31	470.99
US Treasury Notes	1.375%	09/01/16	08/31/23	2,130	1.470%	275,000.00	273,537.73	277.96	273,259.77	647.62
US Treasury Notes	2.750%	12/05/16	11/15/23	2,206	2.260%	80,000.00	61,648.89	(228.45)	61,877.34	762.23
US Treasury Notes	2.750%	03/28/16	11/15/23	2,206	1.720%	150,000.00	158,801.01	(2,173.60)	160,974.61	1,905.57
US Treasury Notes	2.750%	10/09/15	11/15/23	2,206	1.910%	155,000.00	162,421.27	(2,344.94)	164,766.21	1,969.09
US Treasury Notes	2.750%	05/26/16	11/15/23	2,206	1.650%	275,000.00	292,281.60	(3,816.06)	296,097.66	3,493.55
US Treasury Notes	2.750%	10/05/16	02/15/24	2,298	1.460%	75,000.00	80,800.34	(937.94)	81,738.28	437.16
US Treasury Notes	2.500%	03/16/17	05/15/24	2,388	2.450%	300,000.00	300,887.93	(73.01)	300,960.94	3,464.67
US Treasury Notes	2.000%	06/28/17	05/31/24	2,404	1.970%	285,000.00	285,521.46	(24.05)	285,545.51	2,398.36
US Treasury Notes	2.375%	03/28/16	08/15/24	2,480	1.810%	200,000.00	207,127.66	(1,552.03)	208,679.69	1,006.79
US Treasury Notes	2.375%	08/02/17	08/15/24	2,480	2.070%	200,000.00	203,908.29	(130.77)	204,039.06	1,006.79
US Treasury Notes	2.125%	05/03/16	05/15/25	2,753	1.760%	150,000.00	153,856.53	(702.06)	154,558.59	1,472.49
US Treasury Notes	2.250%	07/06/16	11/15/25	2,937	1.320%	105,000.00	112,465.56	(1,147.72)	113,613.28	1,091.37
US Treasury Notes	2.250%	06/27/16	11/15/25	2,937	1.450%	115,000.00	121,954.67	(1,081.85)	123,036.52	1,195.31
Inter-American Development Bank	1.000%	04/12/16	05/13/19	559	1.100%	140,000.00	139,789.42	209.42	139,580.00	653.33
Intl Bank of Recons and Dev Notes (World Bank)	1.625%	03/14/16	03/09/21	1,225	1.730%	150,000.00	149,512.96	226.96	149,286.00	352.08
Asian Development Bank Note	1.625%	03/16/16	03/16/21	1,232	1.640%	150,000.00	149,921.02	36.52	149,884.50	304.69
NYC, NY Taxable GO Bonds	1.650%	03/31/15	10/01/18	335	1.650%	95,000.00	95,000.00	-	95,000.00	130.63
FL ST Board Admin Fin Corp Taxable Rev Bonds	2.163%	03/08/16	07/01/19	608	2.160%	150,000.00	150,000.00	-	150,000.00	1,081.50
MS ST Taxable GO Bonds	1.679%	02/18/15	10/01/19	700	1.680%	40,000.00	40,000.00	-	40,000.00	55.97
NY Trans Fin Auth, NY Txbi Rev Bonds	2.750%	04/23/15	02/01/20	823	1.880%	75,000.00	76,429.18	(1,534.07)	77,963.25	515.63
CT ST Taxable GO Bonds	2.294%	03/25/15	03/15/20	866	2.290%	70,000.00	70,000.00	-	70,000.00	205.19
UNIV OF CAL Taxable Rev Bonds	2.253%	03/25/15	05/15/20	927	2.250%	50,000.00	50,000.00	-	50,000.00	519.44
NY Trans Fin Auth, NY Txbi Rev Bonds	1.500%	07/14/16	05/01/21	1,278	1.500%	100,000.00	100,000.00	-	100,000.00	750.00
FNMA Pool #AJ3174	3.500%	02/17/16	10/01/26	3,257	2.270%	51,113.15	54,003.15	(304.56)	54,307.71	149.08
FNMA Pool #AT3221	3.500%	06/17/16	03/01/27	3,408	2.270%	71,068.86	75,247.83	(307.26)	75,555.09	207.28
FNMA Pool #AU1266	3.000%	10/31/17	07/25/28	3,920	2.240%	152,269.76	156,147.88	-	156,147.88	380.67
FNMA Pool #AS4197	3.500%	07/16/15	01/01/30	4,445	2.620%	64,590.06	67,807.52	(577.22)	68,384.74	188.39
FHLMC Pool #U49048	3.000%	03/17/16	08/01/30	4,657	2.350%	58,575.15	60,808.26	(338.72)	61,146.98	146.44
FNMA Pool #AL7738	3.500%	02/17/16	11/01/30	4,749	2.550%	69,675.63	73,531.55	(662.12)	74,193.67	203.22



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Water Fund L-T Water Capital Reserve (01-121900) Continued...										
FNMA Series 2015-M15 ASQ2	1.899%	11/30/15	01/01/19	427	1.200%	28,285.99	28,362.39	(206.47)	28,568.86	44.74
Fannie Mae Series 2015-M13 ASQ2	1.646%	10/30/15	09/01/19	670	1.080%	55,393.62	55,617.13	(331.19)	55,948.32	75.98
Fannie Mae Series 2016-M1 ASQ2	2.132%	01/29/16	02/01/21	1,189	1.680%	175,000.00	176,042.77	(704.15)	176,746.92	310.92
FNMA SERIES 2015	2.013%	03/31/15	07/01/22	1,704	1.710%	17,849.43	17,954.30	(73.29)	18,027.59	29.94
Fannie Mae Global Notes	0.875%	05/15/14	05/21/18	202	1.300%	275,000.00	274,350.24	3,945.49	270,404.75	1,069.44
Fannie Mae Global Notes	1.625%	12/31/13	11/27/18	392	1.780%	475,000.00	474,234.15	2,625.65	471,608.50	3,301.91
Fannie Mae Benchmark Notes	1.875%	05/15/14	02/19/19	476	1.550%	400,000.00	401,667.00	(4,277.00)	405,944.00	1,500.00
FHLB Global Note	1.125%	06/02/16	06/21/19	598	1.140%	375,000.00	374,914.41	71.91	374,842.50	1,523.44
FNMA Notes	1.000%	10/19/16	08/28/19	666	1.040%	2,135,000.00	2,133,495.79	844.29	2,132,651.50	3,736.25
FHLB Global Note	1.125%	07/13/16	07/14/21	1,352	1.230%	250,000.00	249,080.15	312.65	248,767.50	835.94
Fannie Mae Notes	1.875%	04/06/17	04/05/22	1,617	1.970%	500,000.00	497,995.20	240.20	497,755.00	677.08
FNMA Notes	2.125%	04/26/16	04/24/26	3,097	2.210%	210,000.00	208,583.84	226.04	208,357.80	86.77
			Weighted Avg Maturity	1,472	1.626%	\$ 12,451,250.84	\$ 12,511,338.45	\$ (11,611.67)	\$ 12,522,950.12	\$ 55,103.08
Capital Reserve (01-122000)										
IIT - Money Market (PFM Asset Management)	1.130%	10/31/17	11/01/17	1	1.130%	1,303,495.79	1,303,495.79	-	1,303,495.79	-
US Treasury Notes	0.750%	06/22/17	10/31/18	365	1.310%	2,500,000.00	2,486,183.05	4,933.05	2,481,250.00	51.80
US Treasury Notes	0.750%	06/22/17	02/15/19	472	1.340%	600,000.00	595,488.71	1,254.34	594,234.37	953.80
US Treasury Notes	1.625%	11/14/16	04/30/19	546	1.060%	915,000.00	922,649.35	(4,860.42)	927,509.77	41.07
US Treasury Notes	0.875%	06/22/17	09/15/19	684	1.400%	2,500,000.00	2,475,802.23	4,610.82	2,471,191.41	2,840.12
US Treasury Notes	1.500%	12/05/16	11/30/19	760	1.450%	775,000.00	775,848.93	(362.01)	776,210.94	4,891.39
US Treasury Notes	1.250%	01/05/17	01/31/20	822	1.520%	150,000.00	149,115.96	317.13	148,798.83	473.85
US Treasury Notes	1.375%	02/01/17	02/29/20	851	1.570%	1,500,000.00	1,493,431.73	2,045.01	1,491,386.72	3,532.46
US Treasury Notes	1.125%	03/14/17	03/31/20	882	1.700%	600,000.00	591,943.23	2,068.23	589,875.00	593.41
US Treasury Notes	1.375%	06/22/17	03/31/20	882	1.490%	2,500,000.00	2,493,286.43	1,001.27	2,492,285.16	3,021.98
US Treasury Notes	1.375%	05/09/17	05/31/20	943	1.700%	1,000,000.00	995,145.49	887.68	994,257.81	5,785.52
US Treasury Notes	1.625%	06/28/17	06/30/20	973	1.500%	3,300,000.00	3,310,648.61	(1,339.67)	3,311,988.28	18,069.29
US Treasury Notes	2.000%	07/06/17	07/31/20	1,004	1.610%	1,000,000.00	1,010,554.36	(1,203.45)	1,011,757.81	5,054.35
US Treasury Notes	2.000%	06/22/17	07/31/20	1,004	1.550%	1,200,000.00	1,214,506.34	(1,853.03)	1,216,359.37	6,065.22
US Treasury Notes	1.375%	08/30/17	08/31/20	1,035	1.450%	2,000,000.00	1,995,944.04	240.91	1,995,703.13	4,709.94
US Treasury Notes	1.375%	10/05/17	09/30/20	1,065	1.640%	1,620,000.00	1,607,837.12	303.53	1,607,533.59	1,958.24
Intl Bank of Recons and Dev Notes (World Bank)	0.875%	04/12/16	07/19/18	261	0.950%	600,000.00	599,658.90	720.90	598,938.00	1,487.50
African Development Bank Note	1.625%	10/31/16	10/02/18	336	1.120%	200,000.00	200,924.72	(989.28)	201,914.00	261.81
Inter-American Development Bank	1.000%	04/12/16	05/13/19	559	1.100%	420,000.00	419,368.27	628.27	418,740.00	1,960.00
African Development Bank Note	1.125%	09/14/16	09/20/19	689	1.160%	235,000.00	234,842.40	91.50	234,750.90	301.09
Intl Bank of Recons and Dev Notes Global Notes		08/18/17	11/27/19	757	1.500%	1,000,000.00	992,476.98	678.31	991,798.67	4,812.50
Regional Trans Auth, IL Rev Bonds	1.250%	04/26/16	05/04/18	185	1.250%	600,000.00	600,000.00	-	600,000.00	625.00
FL ST Board Admin Fin Corp Taxable Rev Bonds	2.163%	03/08/16	07/01/19	608	2.160%	600,000.00	600,000.00	-	600,000.00	4,326.00
CT ST Taxable GO Bonds	1.300%	08/03/16	08/15/19	653	1.230%	330,000.00	330,428.83	(283.97)	330,712.80	905.67

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Capital Reserve (01-122000) Continued...										
FNMA SERIES 2015 M1	1.626%	01/30/15	02/01/18	93	1.260%	36,561.02	36,561.02	(365.34)	36,926.36	49.54
FNMA SERIES 2015 M7	1.550%	04/30/15	04/01/18	152	1.280%	44,940.46	44,960.77	(428.93)	45,389.70	58.05
FNMA Series 2014-M1 ASQ2	2.323%	09/01/16	11/01/18	366	1.150%	211,176.19	212,939.99	(2,723.71)	215,663.70	408.80
FNMA Series 2015-M15 ASQ2	1.899%	11/30/15	01/01/19	427	1.200%	81,715.08	81,935.80	(596.43)	82,532.23	129.25
FNMA Series 2016-M9 ASQ2	1.785%	06/09/16	06/01/19	578	1.050%	83,216.58	83,604.00	(444.71)	84,048.71	123.78
Fannie Mae Series 2015-M13 ASQ2	1.646%	10/30/15	09/01/19	670	1.080%	190,415.55	191,183.85	(1,138.50)	192,322.35	261.19
Freddie Mac Series 4459 NB	4.500%	06/11/15	01/01/20	792	0.770%	43,166.57	44,074.62	(1,182.83)	45,257.45	161.87
FNMA Series 2015-M12 FA	0.540%	09/30/15	04/25/20	907	0.540%	272,641.60	272,641.60	98.13	272,543.47	358.35
FNMA Series 2010-18 LV	4.500%	07/21/15	04/01/21	1,248	2.030%	174,999.30	174,999.30	(12,140.59)	187,139.89	656.25
FHLB Global Note	0.875%	08/25/16	10/01/18	335	0.910%	550,000.00	549,835.31	209.31	549,626.00	401.04
FNMA Benchmark Note	1.125%	09/01/15	10/19/18	353	1.180%	1,475,000.00	1,474,252.00	1,641.50	1,472,610.50	553.13
FHLB Notes	1.250%	12/08/16	01/16/19	442	1.250%	700,000.00	699,982.54	10.54	699,972.00	2,552.08
FNMA Benchmark Note	1.375%	01/08/16	01/28/19	454	1.400%	1,255,000.00	1,254,678.71	456.81	1,254,221.90	4,457.86
FNMA Benchmark Note	1.000%	02/23/16	02/26/19	483	1.080%	1,475,000.00	1,473,459.57	1,940.57	1,471,519.00	2,663.19
Freddie Mac Notes	1.125%	03/31/16	04/15/19	531	1.050%	925,000.00	926,062.69	(1,138.81)	927,201.50	462.50
FHLB Global Note	1.125%	06/27/16	06/21/19	598	0.820%	1,125,000.00	1,130,642.03	(4,554.39)	1,135,196.42	4,570.31
FHLMC Reference Note	0.875%	07/19/16	07/19/19	626	0.960%	650,000.00	649,093.69	666.69	648,427.00	1,611.46
FNMA Benchmark Note	0.875%	07/29/16	08/02/19	640	0.930%	750,000.00	749,259.69	519.69	748,740.00	1,622.40
Freddie Mac Notes	1.375%	07/18/17	08/15/19	653	1.450%	1,900,000.00	1,897,587.55	380.55	1,897,207.00	7,402.08
FNMA Notes	0.875%	08/31/16	08/28/19	666	1.050%	1,675,000.00	1,673,394.75	1,007.75	1,672,387.00	2,931.25
FHLB Global Note	1.000%	10/03/16	09/26/19	695	1.010%	750,000.00	749,831.51	94.01	749,737.50	729.17
FNMA Notes	1.500%	02/24/17	02/28/20	850	1.520%	750,000.00	749,626.17	106.17	749,520.00	1,968.75
FHLMC Agency	1.375%	04/19/17	04/20/20	902	1.490%	1,200,000.00	1,196,608.69	712.69	1,195,896.00	504.17
FNMA Notes	1.500%	07/28/17	07/30/20	1,003	1.600%	2,500,000.00	2,493,044.10	619.10	2,492,425.00	9,375.00
FHLB Notes	1.375%	09/08/17	09/28/20	1,063	1.480%	1,300,000.00	1,296,021.04	194.04	1,295,827.00	1,638.54
Bank of Montreal Chicago CP	0.000%	02/16/17	11/13/17	13	1.330%	800,000.00	799,648.00	7,538.67	792,109.33	-
Credit Agricote CIB NY CP	0.000%	08/02/17	02/07/18	99	1.380%	600,000.00	597,762.34	2,077.84	595,684.50	-
JP Morgan Securities LLC CP	0.000%	06/21/17	03/16/18	136	1.510%	1,250,000.00	1,243,015.63	6,880.91	1,236,134.72	-
Toyota Motor Credit Corp	0.000%	06/21/17	03/16/18	136	1.460%	1,250,000.00	1,243,250.00	6,650.00	1,236,600.00	-
Weighted Avg Maturity			668		1.366%	\$ 51,467,328.14	\$ 51,389,538.43	\$ 15,979.85	\$ 51,373,558.58	\$ 118,372.02
TOTAL ALL FUNDS					1.419%	\$146,647,202.41	\$ 147,099,060.58	\$ (160,300.91)	\$147,259,361.49	\$ 438,018.60
Less: Net Unsettled Trades							\$ 147,099,060.58			
October 31, 2017					90 DAY US TREASURY YIELD	1.06%				
					3 month US Treasury Bill Index	0.99%	Longest Maturity	3.097	\$ 210,000.00	
					0-3 Year US Treasury Index	1.37%				
					1-3 Year US Treasury Index	1.47%				
					1-5 Year US Treasury Index	1.60%				
					1-10 Year US Treasury Index	1.76%				

DUPAGE WATER COMMISSION  
ELMHURST, ILLINOIS  
TREASURER'S REPORT  
STATEMENT OF CASH FLOWS  
For the Period from May 1, 2017 to October 31, 2017

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CASH FLOWS FROM OPERATING ACTIVITIES

Cash received from customers	\$ 68,078,889
Cash payments to suppliers	(60,293,870)
Cash payments to employees	(1,486,219)
Net cash from operating activities	6,298,800

CASH FLOWS FROM NONCAPITAL  
FINANCING ACTIVITIES

Cash received from sales taxes	276,115
Cash received/paid from long term loans	(423,027)
Cash payments for net pension activity	0
Net cash from noncapital financing activities	(146,912)

CASH FLOWS FROM CAPITAL AND  
RELATED FINANCING ACTIVITIES

Interest paid	0
Principal Paid	0
Construction and purchase of capital assets	(1,689,174)
Net cash from capital and related financing activities	(1,689,174)

CASH FLOWS FROM INVESTING ACTIVITIES

Investment income	912,303
Net cash from investing activities	912,303

Net Increase (Decrease) in cash and investments 5,375,017

CASH AND INVESTMENTS, MAY 1, 2017 161,935,569

CASH AND INVESTMENTS, OCTOBER 31, 2017 \$ 167,310,586

October 31, 2017  
 TREASURER'S REPORT  
 DPWC MONTHLY CASH/OPERATING REPORT

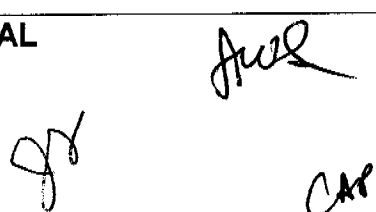
	10/31/2017		
	YEAR END TARGETED Reserve or Monthly Cash Amount-Needed	Amount On Hand	Amount Over - (Under) Target
	A	B	C
<b>TABLE 1</b>			
<b>RESERVE ANALYSIS</b>			
A .Operating Reserve <i># of days per current fiscal year management budget</i>	\$ 64,133,035 180	\$ 67,618,159 190	\$ 3,485,124
B. Capital Reserve	\$ 50,701,790	\$ 51,234,031	\$ 532,241
C. Long Term Water Capital Reserve	\$ 12,025,000	\$ 12,511,338	\$ 486,338
D. O+M Account (1)	\$ 10,306,674	\$ 32,315,637	\$ 22,008,963
E. Current Construction Obligation and Customer Construction Escrows	\$ 155,507	\$ 155,507	\$ -
<b>TOTAL SUMMARY CASH + RESERVE ANALYSIS</b>	<b>\$ 137,322,006</b>	<b>\$ 163,834,673</b>	<b>\$ 26,512,666</b>

<b>TABLE 2</b>	
<b>OTHER CASH</b>	
F. General Fund	\$ 3,475,637
G. Sales Tax	\$ 277
<b>TOTAL TABLE 2-OTHER CASH</b>	<b>\$ 3,475,913</b>
<b>TOTAL MONTH END FUNDS CASH BALANCE-Table1+2</b>	<b>\$ 167,310,586</b>

Note 1: The O&M Account target varies from month to month. The cash balance should be enough to cover the current months operating cash outflows.

DATE: November 3, 2017

## REQUEST FOR BOARD ACTION

<b>AGENDA SECTION</b>	Omnibus Vote Requiring Super-Majority or Special Majority Vote	<b>ORIGINATING DEPARTMENT</b>	Instrumentation/ Remote Facilities
<b>ITEM</b>	A Resolution Awarding 2017 Flow Meter Replacement Project Contract  Resolution No. R-38-17	<b>APPROVAL</b>	

Account Number: 01-60-771100

On October 2, 2017, the Commission invited sealed bids for the 2017 Flow Meter Replacement Project. The Commission advertised for bids in the Chicago Tribune and Daily Herald as required by state statute. The Commission also posted the notice of the invitation on the Commission's web site, with various plan rooms as well as direct solicitation of area contractors. Of the ten (10) contractors that held bid packages five (5) attended the mandatory pre-bid conference.

Sealed bids were received until 1:00 p.m. on October 26, 2017, at which time all bids were publicly opened and read aloud. Of the four proposals received (see tabulation below), one bidder, Continental Construction Co., Inc., the low dollar bidder was unresponsive in that they failed to submit a bid bond to assure the Commission they can complete the project for the bid amount.

The proposal of the next lowest bidder complied, in all material respects, with the requirements of the bidding documents and, therefore, staff is recommending that the proposal of Mecon Industries, Inc. is the most favorable to the interests of the Commission.

Continental Construction Co., Inc., Evanston, IL	\$376,000.00 (No Bid Bond)
Mecon Industries, Inc., Lansing, IL	\$392,000.00
Dahme Mechanical Industries, Inc., Arlington Heights, IL	\$534,870.00
Calumet City Plumbing Company, Calumet City, IL	\$694,995.00

Resolution No. R-38-17 would award the contract to the lowest responsive bidder, Mecon Industries, Inc., in the bid amount of \$392,000.00.

**MOTION:** To approve Resolution No. R-38-17.

## DUPAGE WATER COMMISSION

## RESOLUTION NO. R-38-17

A RESOLUTION AWARDING CONTRACT  
2017 FLOW METER REPLACEMENT PROJECT

WHEREAS, on September 21, 2017, the DuPage Water Commission (the "Commission") approved a Request for Board Action to authorized and directed the General Manager to advertise for bids for a contract to replace 207 water meters at the Commission's 82 meter stations in accordance with the requirements of 65 ILCS 5/11-135-5: and

WHEREAS, in full compliance with said Statute, the Commission duly advertised for bids on Contract 2017 Flow Meter Replacement Project; and

WHEREAS, based upon staffs review of the proposals received, and the staff's recommendation to the Board of Commissioners of the DuPage Water Commission, the Board of Commissioners has determined that that (a) the lowest bid is unresponsive due to material variances from the bid specifications, and (b) the proposal of Meccon Industries, Inc. is the most favorable and in the best interests of the Commission.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are hereby incorporated herein as findings of the DuPage Water Commission.

SECTION TWO: The DuPage Water Commission hereby rejects the bid of Continental Construction Co., Inc. and awards a contract for the Commissions 2017 Flow Meter Replacement Project to Meccon Industries, Inc., in the bid amount of \$392,000.00, conditioned upon the receipt of all contractually required documentation.

Resolution No. R-38-17

SECTION THREE: This Resolution shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2017.

\_\_\_\_\_  
Chairman


ATTEST:

\_\_\_\_\_  
Clerk

Board/Resolutions/R-38-17.docx

DATE: November 3, 2017

# REQUEST FOR BOARD ACTION

<b>AGENDA SECTION</b> Engineering & Construction Committee	<b>ORIGINATING DEPARTMENT</b> GIS
<b>ITEM</b> Requisition No. 49276 	<b>APPROVAL</b>
<p>Account Number: 01-60-659000</p> <p>Staff is requesting authorization to pay Infor Global Solutions Inc. for software maintenance in the amount of \$45,485.68. This expense is for the Infor Enterprise Asset Management (EAM) system, the Commission's maintenance and purchasing management program. The software maintenance fee is due annually and provides the Commission with telephone and online product support, patches, revision changes, and program updates.</p> <p>This expense was budgeted in the Annual Management Budget, but Board approval is required due to the sole source supply from the manufacturer at a cost in excess of \$20,000.00.</p>	
<p><b>MOTION: To suspend the purchasing procedures of the Commission's By-Laws and authorize the General Manager to approve Requisition No. 49276 (Infor Enterprise Asset Management System Annual Software Maintenance Agreement – Global Solutions, Inc. \$45,485.68)</b></p>	





## DuPage Water Commission

600 E. Butterfield Road

Elmhurst, IL 60126

Purchase Requisition

Requisition: **49276** Infor EAM Annual Software Maintenance 2018

Req. Date: 11/03/2017

Status: ARR Accounting Review  
For Store: DPS DuPage Pumping Station  
Originator: 106-0009 R5  
Supplier: INFOR Infor EAM

Service Line	Due date	Quantity	UOM	Units	Unit Price	Total
1	11/3/17	1			\$45,485.68	\$45,485.68

Account: 01-60-659000-2018  
Supplier: INFOR [Infor EAM]

**Total** 45,485.68

Approver: \_\_\_\_\_

Date approved: \_\_\_\_\_

Requisition Comments:

Line 1 Annual software maintenance fee for Infor EAM.

Copy of invoice is on the Documents tab.

RFBA paperwork in process.



Invoice	Invoice Date	Due Date
P - 266070-US0AB	10/16/2017	01/17/2018

# Invoice

**Bill to:** DuPage Water Commission  
 600 E. Butterfield Rd  
 Elmhurst, IL 60126  
 USA  
 Attn: Frank Frelka

**Deliver To:** DuPage Water Commission  
 600 E Butterfield Rd  
 Elmhurst, IL 60126  
 USA  
 Attn: License Site

Customer No.	Tax Reg. No.	Customer PO No.	Currency	
93537			USD	Maintenance Renewal

Description	Location	Type	QTY	Users	Start Date	End Date	Amount
Infor EAM Enterprise Edition - SQL	Elmhurst	PROD	1	31	02/17/2018	02/16/2019	30,579.35
Infor EAM Enterprise Edition Requestor	Elmhurst	PROD	1	9	02/17/2018	02/16/2019	512.51
Infor EAM Enterprise Edition Advanced Reporting Consumer	Elmhurst	PROD	1	27	02/17/2018	02/16/2019	2,817.55
Infor EAM Enterprise Edition Mobile	Elmhurst	PROD	1	3	02/17/2018	02/16/2019	1,388.70
Infor EAM Enterprise Edition GIS Module	Elmhurst	PROD	1	1	02/17/2018	02/16/2019	9,849.68
Infor EAM Enterprise Edition Barcoding	Elmhurst	PROD	1	1	02/17/2018	02/16/2019	337.89
TAX(Type RE - IL)							

Carry Forward 45,485.68



Invoice	Invoice Date	Due Date
P - 266070-US0AB	10/16/2017	01/17/2018

# Invoice

Description	Location	Type	QTY	Users	Start Date	End Date	Amount
-------------	----------	------	-----	-------	------------	----------	--------

For renewal questions, please contact Wanda Huszar, Subscription Services Manager  
 Phone: +12193651498  
 Email: Wanda.Huszar@infor.com

**Remit to:**

Infor (US), INC.  
 NW 7418  
 PO Box 1450  
 Minneapolis, MN 55485-7418  
 USA  
 Cash.Applications@Infor.com  
 Wire to: Wells Fargo Bank  
 ABA# 121000248  
 Acct. # 4124017351

Please pay invoice by due date to avoid interruptions in support.

Net	Tax	Total:
45,485.68	0.00	45,485.68

**Payment Terms:**

See Due Date.

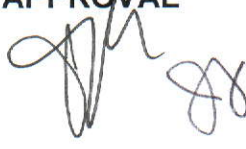

**Special Instructions:**

For questions, please contact Infor (US), Inc. at 678-319-8000 or email Infor.Collections@Infor.com

**Invoice Total:** USD 45,485.68

13560 Morris Rd. Suite 4100 Alpharetta, GA 30004 USA  
 678-319-8000 Federal ID# 20-3469219

**REQUEST FOR BOARD ACTION**

<p><b>AGENDA SECTION</b> Engineering &amp; Construction Committee</p>	<p><b>ORIGINATING DEPARTMENT</b> Operations</p>										
<p><b>ITEM</b> A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Greeley and Hansen  Resolution No. R-39-17</p>	<p><b>APPROVAL</b>  </p>										
<p>Account No.: 01-60-711500 - \$107,000</p>											
<p>The Commission entered into Master Contracts with several firms for professional engineering services. Staff requested proposals from Seven (7) of these firms for Professional design services, bidding services, project management services and construction services for a metering station and connection facilities in conjunction with the Bartlett Supply Line. The project is included as a Capital Project in the Fiscal Year 2017/2018 Management Budget.</p>											
<p>Five (5) proposals were received, as tabulated below, and the proposal deemed most favorable to the Commission is the proposal of Greeley and Hansen.:</p>											
<table border="1"> <tr> <td>Greeley and Hansen</td> <td>\$107,000</td> </tr> <tr> <td>Christopher B. Burke</td> <td>\$109,300</td> </tr> <tr> <td>Baxter &amp; Woodman</td> <td>\$139,000</td> </tr> <tr> <td>CMT</td> <td>\$152,500</td> </tr> <tr> <td>AECOM</td> <td>\$153,450</td> </tr> </table>		Greeley and Hansen	\$107,000	Christopher B. Burke	\$109,300	Baxter & Woodman	\$139,000	CMT	\$152,500	AECOM	\$153,450
Greeley and Hansen	\$107,000										
Christopher B. Burke	\$109,300										
Baxter & Woodman	\$139,000										
CMT	\$152,500										
AECOM	\$153,450										
<p>Resolution No. R-39-17 would approve the following Task Order to the Master Contract with Greeley and Hansen. This Task Order will provide Preliminary and Final Professional design services, bidding services, project management services and construction services for a metering station and connection facilities in conjunction with the Bartlett Supply Line.</p>											
<p><b>MOTION:</b> To adopt Resolution No. R-39-17.</p>											

## DUPAGE WATER COMMISSION

## RESOLUTION NO. R-39-17

A RESOLUTION APPROVING AND RATIFYING CERTAIN  
TASK ORDERS UNDER A MASTER CONTRACT  
WITH GREELEY AND HANSEN AT THE  
NOVEMBER 16, 2017, DUPAGE WATER COMMISSION MEETING

WHEREAS, the DuPage Water Commission (the "Commission") entered into a contract with GREELEY AND HANSEN (the "Consultant") to provide, from time to time, professional engineering services in connection with various projects of the Commission (the "Master Contract"); and

WHEREAS, the Master Contract sets forth the terms and conditions pursuant to which the Commission will obtain from time to time, and the Consultant will provide from time to time, professional engineering services for such discrete projects as are delineated and described in Task Orders to be approved by the Commission and the Consultant; and

WHEREAS, the Consultant has approved the Task Orders attached hereto and by this reference incorporated herein and made a part hereof as Exhibit 1 (the "Task Orders");

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the DuPage Water Commission as follows:

SECTION ONE: The foregoing recitals are incorporated herein and made a part hereof as findings of the Board of Commissioners of the DuPage Water Commission.

SECTION TWO: The Task Orders attached hereto as Exhibit 1 shall be and hereby are approved and, if already issued, ratified because the Board of Commissioners of the DuPage Water Commission has determined, based upon the representations of staff and the Consultant, that the circumstances said to necessitate the Task Orders were not reasonably foreseeable at the time the Master Contract was signed, the Task Orders are

germane to the Master Contract as signed, and/or the Task Orders are in the best interest of the DuPage Water Commission and authorized by law.

SECTION THREE: This Resolution shall constitute the written determination required by Section 33E-9 of Article 33E of the Criminal Code of 1961 and shall be in full force and effect from and after its adoption.

AYES:

NAYS:

ABSENT:

ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2017.

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Clerk

EXHIBIT 1

November 7, 2017



DuPage Water Commission  
Attn: Terry McGhee, Manager of Water Operations  
600 E. Butterfield Road  
Elmhurst, IL 60126

100 S. Wacker Drive, Suite 1400  
Chicago, Illinois 60606  
p 312 558 9000  
f 312 558 1006  
www.greeley-hansen.com

Subject: Request for Proposal: Bartlett Connection Facilities

Dear Mr. McGhee,

Thank you for the opportunity to submit our written proposal for the upcoming Bartlett Connection Facilities project. We understand that the DuPage Water Commission (Commission) is seeking an engineering firm to provide project management, design, bidding, and construction services for a new metering station and connection facilities to serve the Village of Bartlett.

Based on our understanding of this project, we have assembled a team that brings the following benefits to the Commission:

- **Experience** – We are proposing a team of individuals well versed in every aspect of facilities design and construction. This team has worked together on many similar projects and will partner with you to design the Bartlett Connection Facilities to be consistent with other Commission facilities while meeting the latest applicable codes and standards.
- **Local Resources** – Greeley and Hansen's facilities design professionals are all Chicago-based and located just minutes from the Commission. We have the resources the Commission needs to execute this assignment efficiently and expedite the project schedule without sacrificing the quality of deliverables.
- **Streamlined Approach** – The proposed team has a wealth experience collaborating together on projects of similar size and scope. The experience of the team and availability of resources will provide the Commission with a streamlined approach project costs. We are proposing a project schedule from notice to proceed to design completion of 10 weeks.

Greeley and Hansen has enjoyed successfully partnering with the Commission on past projects and welcome the opportunity to continue our successful collaboration on this important assignment. Thank you again for your consideration of our written proposal. We make a personal commitment to the Commission and our team is fully dedicated to achieving your goals. Should you have any questions regarding this proposal, please contact me at (312) 558-9000 or jbielanski@greeley-hansen.com

Sincerely,

Greeley and Hansen LLC

Jay Bielanski, PE, ENV SP  
Associate, Project Manager

Paul J. Vogel, PE  
Executive Vice President, Western Operations



## PROJECT UNDERSTANDING

The DuPage Water Commission (Commission) has entered into an agreement with the Village of Bartlett to provide Lake Michigan water. The water will be delivered through a 30-inch diameter watermain to the Village of Bartlett's Public Works Facility located at 150 Bittersweet Drive in Bartlett, IL. To facilitate the connection to the watermain a new metering station is required.

A preliminary location for the metering station has been chosen. The metering station will consist of a single-story building with a sub-grade vault to house the metering equipment and auxiliary building systems. To the extent possible, the Commission would like the new building to be designed and constructed to be consistent with other Commission facilities; this will allow the new building and equipment to be more easily operated and maintained by Commission staff.

## PROJECT APPROACH

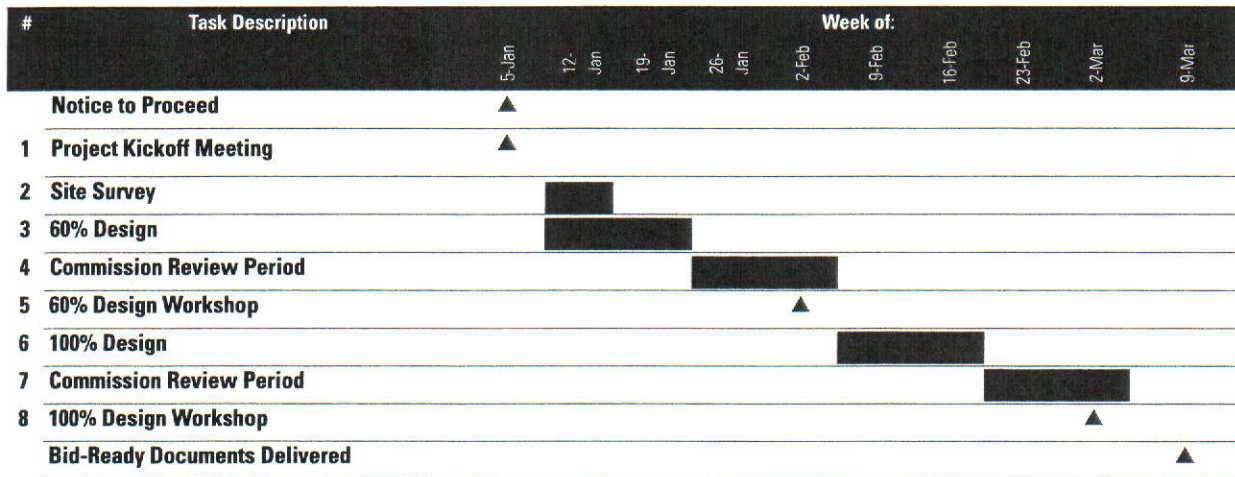
The Commission has set forth the basic requirements to complete the design of the metering station in its Request for Proposal which includes Commission Attachments A and B. The section that follows elaborates on elements of the project provided in the Request for Proposal:

- Civil/Site – The site depicted in the Commission's Attachment A will be the basis for locating the new station. The area surrounding the preliminary location will be surveyed to assist with locating the station and providing the information needed for easements and agreements with third parties. Based on the survey a final location will be chosen and a site plan will be designed with grading, access drives and sidewalks.
- Geotechnical – The Commission will provide geotechnical data for the chosen site needed to support the final location and the structural design of the new station.
- Process – The Commission will provide the location of the 30-inch watermain. At the station site, the 30-inch watermain will be split into 5 separate metering trains. The trains will be split below grade and outside of the station structure footprint. In the subgrade vault, a turbine style metering element will be installed on each train. In all other respects, the metering trains will be designed as stated in the Request for Proposal.
- Station Facilities –
  - Electrical – A new, single Commonwealth Edison service to the station will be provided. The service will power all station equipment and no backup generation will be required. The service will supply a single main distribution panelboard that will distribute power to the station's equipment. Interior and exterior lighting for the station will be provided.
  - HVAC/Plumbing – The HVAC systems will consist of electric heating and mechanical ventilation to maintain minimum and maximum temperatures as specified by the Commission. A single sump pump will be provided for the subgrade vault.
  - Instrumentation and Controls (I&C) – The Commission will provide their standard RTU for installation in the station. It is assumed that the RTU will come complete in an enclosure and will only require mounting and external connections. The design will incorporate instrumentation and controls signals for the station equipment as required. The Commission will provide its standard specifications for the radio system to be implemented at the station for communication to the Commission's SCADA system.
- Architectural – A single story building, similar to that depicted in the Commission's Attachment B will be designed. The footprint of the building will be developed based on the space required for the process and facilities equipment.
- Structural – The structural design will support the footprint of the new single story building and subgrade vault. The design will be similar to that depicted in the Commission's Attachment B.

The Greeley and Hansen team will leverage its experience and local resources and combine them with the Commission's requirements to streamline the design process and shorten the project schedule without sacrificing the quality of the construction contract documents.

## SCHEDULE

Assuming notice to proceed is received on January 1, 2018, a 10 week schedule is proposed to complete the design of the project.



## EXPERIENCE

Greeley and Hansen has a wealth of experience working with water utilities across the country to design new water treatment, conveyance, storage, metering, and connection facilities. Examples of our recent project experience in these areas are provided below.

### Waukesha Water Utility Great Lakes Water Supply Program

The City of Waukesha (City) currently obtains water from the Waukesha Water Utility (WWU) who owns a system of groundwater extraction wells that convey groundwater for treatment and then to the distribution system. For over a decade, the City has been evaluating alternatives to its aquifer level decline and increased water quality issues. The results of multiple studies yielded a single feasible solution for Waukesha, which was to apply for a water diversion from Lake Michigan. When the City of Waukesha's Application for the New Diversion of Lake Michigan Water was approved by the Great Lakes-St. Lawrence River Basin Water Resources Council, Greeley and Hansen was retained to perform Program Management and Construction Management services for this endeavor.

This Program is a multi-year, multi-million dollar effort that includes planning, design, and construction of an anticipated 45-miles of transmission and force mains, a Water Supply Pumping Station, a Water Booster Pumping Station, a Return Flow Pumping Station, outfall facilities, water supply connections, a water storage reservoir, associated chemical feed facilities, and distribution system improvements. Project elements include program management, a route study, permitting, steady state and transient hydraulic modeling of new infrastructure, water quality analyses and distribution system modeling in InfoWater to prepare the distribution system for the new water supply connection, preparation of Contract Documents, preparation of opinions of probable cost, coordination between disciplines and subconsultants, and construction management services.



Metering is a key part of the Program as the potable water diverted to Waukesha must be restored back to Lake Michigan on an annual basis. The volume of water withdrawn and returned to the lake will be regulated by the Department of Natural Resources (DNR) and will require precise metering to ensure regulatory compliance. It is anticipated that highly accurate chain of custody meters will be required where the water is delivered to WWU's system by the supplier. Another custody meter will be provided at the delivery point to the Lake Michigan watershed. The supply and return meters will be the same type and model to provide similar level of accuracy and the ability to calibrate to similar parameters.

Facilities design is another key element to the program. The Water Supply Pumping Station, Water Booster Pumping Station, Return Flow Pumping Station and other facilities are all critical to the safe and reliable delivery of water from Lake Michigan to Waukesha, but WWU is also conscious of the impact the facilities will have on the environment and its ratepayers. Detailed planning is occurring as part of the design to "right-size" the facilities including the electrical, HVAC, plumbing, and instrumentation systems for the current and future needs while also reducing the capital costs, maintenance costs, and energy costs of the lifecycles of each facility.

### Orland Park Spur Two Main

The Village of Orland Park (Village) receives water through a 36-inch transmission main (referred to as the Spur One Main), which conveys water from the Oak Lawn Regional Water System to the Village's Main Pumping Station (MPS). Oak Lawn is undergoing a comprehensive upgrade known as the Oak Lawn Regional Water System Improvements Program. As part of this Program, the Village is planning for a second transmission main (referred to as the Spur Two Main) to add system redundancy and reduce the potential for a single point of failure. The downstream end of the Spur Two Main requires discharge into existing reservoirs collocated with the MPS. The unique flow pattern through the reservoirs, as well as regulatory and metering requirements, required a new metering station and connection facility at the Spur Two Main's discharge. Greeley and Hansen was retained for the planning and design of the Spur Two Main and the new metering station and connection facility.



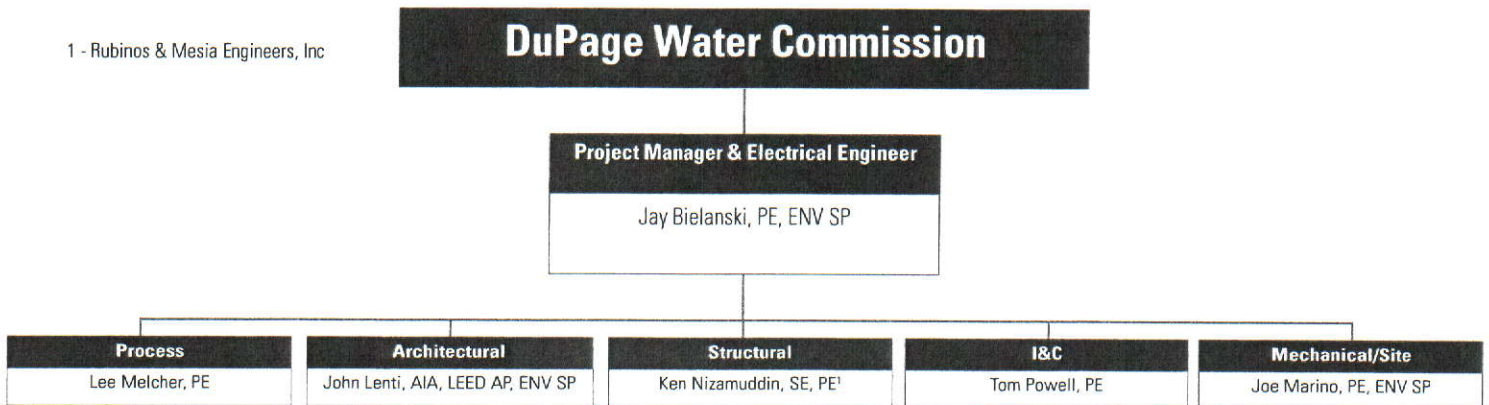
As part of the Project, various configurations for the new metering station and connection facility were developed to provide for:

- Redundant flow metering in the event of a failure;
- A modulating valve for flow control;
- An air break between the Spur Two Main and the reservoirs;
- A chlorination injection point upstream of the reservoir for water quality; and,
- A flow split to convey water equally to the west and east reservoirs.

The alternatives were compared based economic and non-economic criteria, which included accessibility, footprint, utilities, and operations and maintenance. The preferred alternative simplifies operations, provides additional redundancy, and reduces costs. Preliminary design of the metering station and connection facility has since been completed and detailed design is in progress. Preliminary design of the metering station and connection facility including the process, electrical, HVAC, plumbing, and instrumentation and control systems has since been completed and detailed design is in progress.

## Organizational Chart

Greeley and Hansen has assembled a team of experienced professionals, all Chicago-based, to best execute this assignment for the Commission. These individuals have worked together as a team to complete assignments of similar size and complexity which will result in a streamlined design that will reduce the project schedule and budget without sacrificing the quality that the Commission expects.



## Key Staff Member Biographies



### Jay Bielanski, PE, ENV SP – Project Manager & Electrical Engineer

Mr. Jay Bielanski is an Electrical Engineer Associate of Greeley and Hansen with more than eight years of engineering experience in electrical distribution design and construction. Mr. Bielanski has served as project manager and electrical engineer on numerous facilities projects requiring the design of switchgears, motor control centers, motor controls, distribution transformers, underground electrical distribution systems, and lighting systems. **Jay has previous experience working with the Commission while serving as the Lead Electrical Engineer for the 2014 DuPage Pumping Station Electrical Hazard Analysis Update.**

As Project Manager and Lead Electrical Engineer, Jay will be responsible for the everyday coordination and communications associated with the project. He will be the main point for contact and will work with the Commission to deliver the Project on time and on budget. In addition, Jay will oversee the day to day activities and coordination for all disciplines while leading the electrical design for the project.



### Lee Melcher, PE – Process

Mr. Lee Melcher has over 14 years of experience in water and wastewater engineering. He has been responsible for the design of municipal capital improvement projects and has managed numerous projects in this field. Many of his projects include distribution system modeling, groundwater supply wells, water softening, iron removal, reservoirs, elevated water storage tanks, booster pumping stations, high service pumping, master planning and emergency needs assessment. Many of these projects also involved permitting, assistance with easement acquisition and assistance with acquiring the necessary funds to construct the project. Lee is currently serving as the process lead for both the Waukesha Water Utility Great Lakes Water Supply Program and the Orland Park Spur Two Main Program.



### John Lenti, AIA, LEED AP, ENV SP – Architectural

Mr. John Lenti is a licensed architect and member of Greeley and Hansen Architects. His background consists of 27 years of professional architectural design and documentation, project management, permit process coordination, construction observation, and sustainable design. With a focus on resource efficiency, Mr. Lenti develops solutions that maximize operational efficiency through good design. With extensive experience in the rehabilitation of older structures, Mr. Lenti helps clients protect that value of their existing building stock. An understanding of the economic benefit communities realize by pursuing long-term value supports his approach. Mr. Lenti also provides sustainable design consultation as an Architect, LEED AP, and as an accredited Sustainability Professional through the Institute for Sustainable Infrastructure. A member of the Institute for Sustainable Infrastructure's Community Workgroup, Mr. Lenti provides unique insight into multi-purpose and next generation infrastructure systems.



**Ken Nizamuddin, SE, PE – Structural**

Mr. Ken Nizamuddin has more than 32 years of experience in civil and structural engineering projects. He has been responsible for the structural analysis and design of a variety of facilities including high-rise buildings, water facilities, tunnels, industrial/warehouse, educational, office, health care and commercial structures. Methods of design and analysis include both conventional and computer-aided means. Mr. Nizamuddin has been involved in conceptual as well as detailed design of structures and quality control of jobs. He has also performed peer review of jobs to ascertain adequacy of structures and for value engineering.



**Tom Powell, PE – I&C**

Mr. Tom Powell serves as Greeley and Hansen's I&C Group Head. He brings over 29 years of Instrumentation and Controls Engineering experience for water and wastewater projects. His professional experience includes both controls engineering and electrical power engineering, allowing him to design, coordinate, and manage projects from an integrated whole project system perspective. He specializes in system integration, incorporating instrumentation, computer networks, motor controls, and process controls in a combined engineered system. He has designed electrical and control systems for wastewater treatment facilities, pumping stations, water treatment plants, reclaimed water systems, educational, and industrial facilities.



**Joe Marino, PE, ENV SP – Mechanical/Site**

Mr. Joe Marino is a Mechanical Engineer with 9 years of experience in a wide array of design and construction projects concentrating on civil, site, mechanical, electrical applications for water and wastewater treatment, pumping, and storage facilities. Joe has Participated in projects including recreational park design, roadway/site/sports lighting design, electrical energy audits, sanitary lift station design, pump stations and site irrigation plans. His responsibilities include determining initial design criteria, evaluating design scenarios, creating exhibits, preparation of construction contract specifications and plan drawings, developing cost estimates, permit acquisition from state, county and local agencies, shop drawing review and construction observation for civil/site, mechanical/process, HVAC, and plumbing applications.

## Price Proposal

The price proposal for this project is based on the Commission's Request For Proposal and the assumptions stated in the Project Approach section. A cover sheet, 12 design drawings, and technical specifications will be provided. The Commission's bidding and contract documents will be utilized.

Office-Based Design Services During Construction will include:

- Reviewing and responding to equipment submittals and shop drawings
- Reviewing and responding to requests for information
- Reviewing and responding to contractor proposed changes
- Reviewing As-Built drawings provided by the Contractor

Construction Management and Resident Engineering Services assume a 12 week construction duration and will include:

- Attending a pre-construction meeting
- Attending monthly progress meetings with Commission and the Contractor
- Preparing Monthly Progress Reports
- Reviewing Contractor Invoices
- Preparing permitting documents
- Resident inspection services, ½ day, 2 times per week for 12 weeks
- Start-up and Commissioning services

**Total Price Proposal for Professional Services: \$107,000**



# DuPage Water Commission

## MEMORANDUM

TO: John Spatz, General Manager

FROM: Cheryl Peterson, Financial Administrator *CP* *JP*

DATE: November 7, 2017

SUBJECT: Accounts Payable Listings

Following is a summary of the Accounts Payable to be considered at the November 16, 2017 Commission meeting:

October 12, 2017 to November 7, 2017 A/P Report	\$8,812,376.80
Accrued and estimated payments required before December 2017 Commission meeting	<u>808,625.00</u>
Total	<u>\$9,621,001.80</u>

cc: Chairman and Commissioners

**DUPAGE WATER COMMISSION**  
**ITEMS TO BE PAID BY 12-21-17**  
**Board Meeting Date: November 16, 2017**

Estimate Amount	Description	Check Number	Payment Date	Payment Amount
52,000.00	Blue Cross Blue Shield - Health Insurance			
6,000.00	Euclid Managers - Dental Insurance			
10,000.00	Illinois Public Risk Fund - Workers Comp.			
200.00	Envision Health Care - Administration Fees			
300.00	Healthiest You			
20,000.00	ComEd - Utility Charges			
300,000.00	Constellation (Exelon Energy) - Utility Charges			
180,000.00	City of Chicago - Lexington. Electric			
35,000.00	City of Chicago - Lexington Labor Costs			
21,000.00	City of Chicago - Repairs & Maintenance			
2,000.00	City of Naperville -Meter Station Electric Bills			
15,000.00	Nicor - Gas			
250.00	Comcast - Internet Service			
3,000.00	AT & T - Telephone Charges			
3,000.00	AT & T - Scada Backhaul Network/IP Flex			
1,000.00	Fed - Ex - Postage/Delivery			
5,000.00	Procurement Card Charges			
200.00	Anderson - Pest Control			
400.00	Republic Services - Disposal Services			
200.00	Elecsys - Cell Data Services			
1,500.00	Konica Minolta - Copy and Lease Charges			
525.00	Pitney Bowes - Postage			
8,000.00	Grainger - Supplies for Operations			
2,500.00	Verizon - Wireless Service			
1,700.00	William Fates - Treasurer			
5,000.00	Baker Tilly			
15,000.00	Schrott, Luetkehans & Garner, LLC			
1,500.00	Rory Group			
6,000.00	John J. Millner & Assoc			
7,000.00	IT Savvy - Network Support			
200.00	Edward Coughlin/Ken Lafin - Security			
600.00	Red Wing - Uniforms			
300.00	Storino Ramello & Durkin			
500.00	Local 399 Training courses			
600.00	Atomic Industrial Machine - Switch Brackets			
3,050.00	Beary - Landscaping Services			
22,000.00	Catholic Protection Agency - Bartlett System Design			
5,000.00	Chicago Tribune - Legal Notice			



DUPAGE WATER COMMISSION  
ITEMS TO BE PAID BY 12-21-17  
Board Meeting Date: November 16, 2017

50.00 City of Aurora - Microbial Analysis  
3,000.00 Core & Main - Meter Station Supplies  
800.00 Core & Main - Pipeline Supplies  
4,400.00 Daily Herald (Paddock) - Legal Notices  
2,700.00 Englewood Electrical Supply - Service Call  
300.00 Fastenal - Meter Station Supplies  
800.00 Five Star - Harnesses  
600.00 Five Star - Quattro Gas Monitor  
300.00 Hach - Meter Station Supplies  
46,000.00 Infor - Maintenance  
600.00 Kara - Marking Paint  
5,000.00 Marsh USA - Treasurer's Bond  
1,000.00 Mike Weed - Conference Reimbursement  
800.00 Municipal Emergency Services - Hydrostatic Testing  
2,000.00 Pavercare - Brick Repair  
1,000.00 Program One - Window Cleaning  
2,000.00 Promax Landscaping - Paver Repairs  
1,100.00 SiteOne - Salt for Parking Lots  
300.00 Specialty Mat - Carpet Cleaning  
350.00 Staples - Office Supplies

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808,625.00



Payable Number	Description	Post Date	Payable Amount	Payable Count	Net Amount
<b>Payable Account:</b> 01-211000 - ACCOUNTS PAYABLE					
<b>Vendor:</b> 1663	<b>AECOM</b>			<b>Payable Count: (2)</b>	<b>49,229.42</b>
37980127	Arc-Flash Study	10/25/2017	3,353.11		3,353.11
37980635	Transmission Main to Serve Bartlett	10/25/2017	45,876.31		45,876.31
<b>Vendor:</b> 1306	<b>AMWA</b>			<b>Payable Count: (1)</b>	<b>5,042.50</b>
INV0002257	First half of January 1-December 21, 2018 Dues	10/31/2017	5,042.50		5,042.50
<b>Vendor:</b> 1516	<b>ARAMARK REFRESHMENTS</b>			<b>Payable Count: (1)</b>	<b>48.90</b>
8025296	Supplies	10/31/2017	48.90		48.90
<b>Vendor:</b> 1553	<b>AUTOMATIC CONTROL SERVICES</b>			<b>Payable Count: (1)</b>	<b>1,183.70</b>
3863	Modified programming of wireless hatch sec. system	10/25/2017	1,183.70		1,183.70
<b>Vendor:</b> 1802	<b>BAKER TILLY VIRCHOW KRAUSE, LLP</b>			<b>Payable Count: (1)</b>	<b>3,366.00</b>
BT1178273	PROFESSIONAL SERVICES 9/28/17-10/25/17	10/31/2017	3,366.00		3,366.00
<b>Vendor:</b> 2017	<b>BEDROCK EARTHSCAPES, LLC</b>			<b>Payable Count: (1)</b>	<b>1,100.00</b>
700	SERVICE VISIT - October 2017	10/31/2017	1,100.00		1,100.00
<b>Vendor:</b> 1692	<b>BRIDGEPOINT TECHNOLOGIES</b>			<b>Payable Count: (1)</b>	<b>45.00</b>
29038	Hosting Services: November 2017	11/02/2017	45.00		45.00
<b>Vendor:</b> 1179	<b>CHICAGO TRIBUNE</b>			<b>Payable Count: (1)</b>	<b>4,592.00</b>
CTCM801655	Classified Listing	10/31/2017	4,592.00		4,592.00
<b>Vendor:</b> 1091	<b>CINTAS FIRST AID &amp; SAFETY</b>			<b>Payable Count: (1)</b>	<b>376.14</b>
8403390905	Safety Supplies	10/31/2017	376.14		376.14
<b>Vendor:</b> 1134	<b>CITY OF CHICAGO DEPARTMENT OF WATER</b>			<b>Payable Count: (1)</b>	<b>31,456.08</b>
INV0002259	LEX PUMP STATION LABOR: September 2017	10/31/2017	31,456.08		31,456.08
<b>Vendor:</b> 1135	<b>CITY OF CHICAGO SUPERINTENDENT OF WATER COLLECTION</b>			<b>Payable Count: (1)</b>	<b>8,678,023.20</b>
INV0002274	WATER BILLING: October 2017	10/31/2017	8,678,023.20		8,678,023.20
<b>Vendor:</b> 1240	<b>DOOR SYSTEMS, INC.</b>			<b>Payable Count: (1)</b>	<b>619.33</b>
846132	Repairs to overhead doors	10/31/2017	619.33		619.33
<b>Vendor:</b> 2003	<b>ECO CLEAN MAINTENANCE, INC.</b>			<b>Payable Count: (1)</b>	<b>1,552.98</b>
6548	JANITORIAL SERVICE: October 2017	10/31/2017	1,552.98		1,552.98
<b>Vendor:</b> 1233	<b>Elmhurst Occupational Health</b>			<b>Payable Count: (1)</b>	<b>85.00</b>
00054652-00	Employee Physical	10/25/2017	85.00		85.00
<b>Vendor:</b> 1097	<b>ELMHURST PLAZA STANDARD INC.</b>			<b>Payable Count: (1)</b>	<b>30.00</b>
41888	Vehicle Repairs: M78556	10/25/2017	30.00		30.00
<b>Vendor:</b> 1570	<b>FIVE STAR SAFETY EQUIPMENT, INC.</b>			<b>Payable Count: (1)</b>	<b>21.50</b>
2476190	Overboots	11/07/2017	21.50		21.50
<b>Vendor:</b> 2143	<b>Gas Depot</b>			<b>Payable Count: (1)</b>	<b>1,721.14</b>
49285	Gasoline	10/31/2017	1,721.14		1,721.14
<b>Vendor:</b> 1068	<b>HACH COMPANY</b>			<b>Payable Count: (2)</b>	<b>727.89</b>
10677615	Monthly Chemicals	10/31/2017	407.00		407.00
10679473	Monthly Chemicals	10/31/2017	320.89		320.89
<b>Vendor:</b> 1032	<b>JULIE, INC.</b>			<b>Payable Count: (1)</b>	<b>17,110.97</b>
2017-0456-04	UTILITY LOCATS: October-December 2017	11/02/2017	17,110.97		17,110.97

**Board Open Payable Report**

As Of 11/07/2017

Payable Number	Description	Post Date	Payable Amount		Net Amount
<b>Vendor: 2186</b> <u>INV0002260</u>	<b>Kenneth Niles</b> Conference Expense Report Reimbursement	10/31/2017	565.92	<b>Payable Count: (1)</b>	<b>565.92</b> 565.92
<b>Vendor: 1054</b> <u>49093302</u>	<b>MCMASTER-CARR SUPPLY COMPANY</b> Meter Replacement parts	10/31/2017	264.79	<b>Payable Count: (1)</b>	<b>264.79</b> 264.79
<b>Vendor: 2154</b> <u>OSV1200331</u> <u>OSV1224559</u>	<b>Networkfleet, Inc.</b> Monthly Diagnostics September 2017 Monthly Diagnostics - October 2017	10/25/2017 10/31/2017	265.30 265.30	<b>Payable Count: (2)</b>	<b>530.60</b> 265.30 265.30
<b>Vendor: 1395</b> <u>975938020001</u>	<b>OFFICE DEPOT</b> Office Supplies	10/31/2017	469.18	<b>Payable Count: (1)</b>	<b>469.18</b> 469.18
<b>Vendor: 1178</b> <u>T4483334</u> <u>T4484811</u>	<b>PADDOCK PUBLICATIONS, INC.</b> Legal Notice Legal Notice	10/31/2017 10/31/2017	593.40 308.20	<b>Payable Count: (2)</b>	<b>901.60</b> 593.40 308.20
<b>Vendor: 1950</b> <u>2657-3</u>	<b>RORY GROUP, LLC.</b> CONSULTING FEE: October 2017	11/02/2017	1,500.00	<b>Payable Count: (1)</b>	<b>1,500.00</b> 1,500.00
<b>Vendor: 2187</b> <u>INV0002278</u> <u>INV0002279</u>	<b>Schirott, Luetkehans &amp; Garner, LLC</b> Attorney Fee: October 2017 Attorney Fee: October 2017	10/31/2017 10/31/2017	3,141.40 2,515.13	<b>Payable Count: (2)</b>	<b>5,656.53</b> 3,141.40 2,515.13
<b>Vendor: 1302</b> <u>73106</u>	<b>SIR SPEEDY PRINTING AND MARKETING SERVICES</b> Printing and Binding Bid Documents	10/31/2017	188.86	<b>Payable Count: (1)</b>	<b>188.86</b> 188.86
<b>Vendor: 1043</b> <u>292312</u> <u>292314</u>	<b>SOOPER LUBE</b> Vehicle Maintenance: M169815 Vehicle Maintenance: M169815	10/31/2017 10/31/2017	43.95 84.99	<b>Payable Count: (2)</b>	<b>128.94</b> 43.95 84.99
<b>Vendor: 1121</b> <u>INV0002268</u>	<b>SPI ENERGY GROUP</b> Electrical Consulting Services	10/31/2017	1,950.00	<b>Payable Count: (1)</b>	<b>1,950.00</b> 1,950.00
<b>Vendor: 1773</b> <u>3356425405</u> <u>3356425406</u>	<b>STAPLES ADVANTAGE</b> Office Supplies Office Supplies	10/31/2017 10/31/2017	5.98 7.98	<b>Payable Count: (2)</b>	<b>13.96</b> 5.98 7.98
<b>Vendor: 1080</b> <u>025-204449</u>	<b>TYLER TECHNOLOGIES, INC</b> Maintenance: 12/1/17-11/30/18	11/02/2017	1,677.30	<b>Payable Count: (1)</b>	<b>1,677.30</b> 1,677.30
<b>Vendor: 1427</b> <u>114419-00</u>	<b>VILLA PARK ELECTRICAL SUPPLY CO., INC.</b> Uniforms	10/31/2017	530.70	<b>Payable Count: (1)</b>	<b>530.70</b> 530.70
<b>Vendor: 2096</b> <u>INV0002270</u>	<b>William A. Fates</b> Services as Treasurer: November 2017	11/02/2017	1,666.67	<b>Payable Count: (1)</b>	<b>1,666.67</b> 1,666.67
<b>Payable Account 01-211000</b>				<b>Payable Count: (40)</b>	<b>Total: 8,812,376.80</b>

**Payable Account Summary**

Account	Count	Amount
01-211000 - ACCOUNTS PAYABLE	40	8,812,376.80
<b>Report Total:</b>	<b>40</b>	<b>8,812,376.80</b>

**Payable Fund Summary**


Fund	Count	Amount
01 - WATER FUND	40	8,812,376.80
<b>Report Total:</b>	<b>40</b>	<b>8,812,376.80</b>



# DuPage Water Commission

## MEMORANDUM

TO: Chairman Zay and Commissioners

FROM: John F. Spatz   
General Manager

DATE: November 6, 2017

SUBJECT: October 2017 Invoice

I reviewed the Schirott, Luetkehans & Garner LLC October 2017 invoice for services rendered during the period October 1, 2017 – October 31, 2017 and recommend it for approval. This invoice should be placed on the November 16, 2017 Commission meeting accounts payable.

October 2017  
 Schirott, Luetkehans & Garner


CATEGORY	<u>FEES</u>	<u>HOURS BILLED</u>	<u>AVERAGE HOURLY RATE</u>	<u>ATTORNEYS &amp; PARALEGALS EMPLOYED</u>	<u>MAJOR ACTIVITIES</u>
General	\$5,480.00	27.4	\$200.00	Luetkehans (11.6 @ \$200/hr.) Garner (5.5 @ \$200/hr.) Armstrong (10.3 @ \$200/hr.)	various (meetings, review agreements, correspondence, contracts, Board material, and attend October Board meeting)
Misc:	<u>\$176.53</u>				
	<u>\$5,656.53</u>	<u>27.4</u>	<u>\$200.00</u>		



# DuPage Water Commission

## MEMORANDUM

TO: Chairman Zay and Commissioners

FROM: John F. Spatz   
General Manager

DATE: November 10, 2017

SUBJECT: October 2017 Invoice

I reviewed the Storino Ramello & Durkin October 2017 invoice for services rendered during the period September 1, 2017 – September 30, 2017 and recommend it for approval. This invoice should be placed on the November 16, 2017, Commission meeting accounts payable.

October 2017  
Storino Ramello & Durkin

CATEGORY	<u>FEES</u>	<u>TOTAL HOURS BILLED</u>	<u>AVERAGE HOURLY RATE</u>	<u>ATTORNEYS &amp; PARALEGALS EMPLOYED</u>	<u>MAJOR ACTIVITIES</u>
M. Durkin	\$176.00	0.80	\$220.00	M. Durkin (0.75 @ \$220/hr.)	various items relating to Collective Bargaining Unit Local Union 399
A. Durkin	\$0.00	0.00	\$200.00	A. Durkin (0.00 @ \$200/hr.)	
M. Wolf	\$0.00	0.00	\$200.00	M. Wolf (0.00 @ \$200/hr.)	
	<u>\$176.00</u>	<u>0.80</u>			