

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

THE DURANT CITY UTILITIES AUTHORITY / DCUA

6:00 PM

**Roscoe J. Hatfield
Council Chambers, 300
West Evergreen,
Durant, Oklahoma
AGENDA**

March 12, 2019

**DURANT CITY HALL
300 W. EVERGREEN, DURANT, OK
ROSCOE J. HATFIELD COUNCIL CHAMBERS**

CALL TO ORDER

ROLL CALL

ORDER OF BUSINESS

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Meeting Minutes of February 12, 2019

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - February 2019
- b. Solid Waste Department Monthly Report - February 2019
- c. Utility Department Monthly Report - February 2019
- d. Utility Line Maintenance Report- February 2019
- e. Waste Water Treatment Plant and Lab Monthly Report - February 2019
- f. Water Treatment Plant Monthly Reports - February 2019

4. Administration

- a. Consider, Discuss and Authorize the City Manager to Submit a Clear Water State Revolving Fund (CWSRF) Loan Application to Oklahoma Water Resources Board (OWRB) for Four Million Dollar Loan to Upgrade the Water Utility System to an Automatic Meter Reading and Advanced Reading Infrastructure System
- b. Consideration To Designate The Oklahoma Water Resources Board Clear Water State Revolving Fund (CWSRF) Loan Funds As A Non-Federal Match Towards The U.S. Department Of The Interior Bureau Of Reclamation 2019 WaterSMART Water And Energy Efficiency Program Grant Applications For A City-Wide Automatic Meter Reader Project.

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 13th day of November, 2018 and that an agenda of said meeting was posted at the place of such meeting at 4:35 p.m. on the 8th day of March, 2019.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 2/15/2019
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of February 12, 2019

Council Information / Action Requested

Approval of Regular Meeting Minutes of February 12, 2019

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Regular Meeting Minutes of February 12, 2019	Exhibit	2/15/2019

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 13th day of November, 2018 and that an agenda of said meeting was posted at the place of such meeting at 3:25 p.m. on the 8th day of February, 2019.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF February 12, 2019 AT 6:00 PM, Roscoe J. Hatfield Council
Chambers, 300 West Evergreen, Durant, Oklahoma**

CALL TO ORDER

Chairman Tomlinson called the meeting to order at 6:53 p.m.

ROLL CALL

Present: Trustee Oden Grube	City Attorney Tom Marcum
Trustee Mike Dills	City Manager Tim Rundel
Trustee Destry Hawthorne	City Clerk Cynthia J. Price
Vice Chairman Chad Hitchcock	
Chairman Jerry Tomlinson	

Absent: None (*denotes partial attendance)

Chairman Tomlinson declared a quorum.

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Meeting Minutes of January 8, 2019

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve consent item as presented.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - January 2019

- b. Solid Waste Department Monthly Report - January 2019
- c. Utility Department Monthly Report - January 2019
- d. Utility Line Maintenance Report- January 2019
- e. Waste Water Treatment Plant and Lab Monthly Report - January 2019
- f. Water Treatment Plant Monthly Reports - January 2019

4. Administration

Adjournment

Motion was made by Chad Hitchcock and seconded by Mike Dills to adjourn meeting.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson



The City of Durant

Solid Waste Landfill

Memorandum

Date: 3/1/2019
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Reports - February 2019

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
February 2019 Project Schedule	Cover Memo	3/1/2019
February 2019 DEQ Report	Cover Memo	3/1/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE February 2019

A. Work Completed for February:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 258 roll-off's & 8 delivered

B. Work Planned For March:

1. Continue Covering C&D site
2. Have new C&D cell 10C inspected and approved
3. Haul MSW To SORD
4. Continue Picking up, Delivering

C. Work Planned For Jan. '19 – Dec. '19

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2019 thru 12-2019

D. Projects Planned And Requested For Authorization:

1. None.



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

Due by the 10th of the month following the reporting month

Administrative Services
Accounts Receivable
P. O. Box 2036
Oklahoma City, OK 73101-2036

Report month/year: FEBRUARY 2019

Facility Name: CITY OF DURANT C/D LANDFILL
Mailing Address: PO BOX 578
DURANT, OK 74702-0578

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 23

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	517.57									
2	31.7									
3										
4	112.95									
5	171.28									
6	35.8									
7	20.87									
8	29.16									
9	6.23									
10										
11	8.74									
12	21.26									
13	67.85									
14	46.9									
15	153.95									
16	34.91									
17										
18										
19	32.75									
20	37.88									
21	60.79									
22	3.48									
23	9.66									
24										
25	83.73									
26	92.06									
27	39.39									
28	53.71									
29										
30										
31										
Total	1672.62	0	0	0	0	0	0	0	0	0

I hereby certify that the information reported above is accurate and correct to the best of my knowledge and includes all solid waste received at this facility.

Signature of authorized agent: Neon Hooper

Phone #: 580-924-8358

Date: 3-1-19

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

The monthly report for solid waste disposal facilities should be submitted to the DEQ no later than the 10th of the month following the reporting month and should include all solid waste received during the month. **If no solid waste is received in a given month, a monthly report is still required. Please include a notation that no solid waste was received during the month.**

1. In the spaces provided, enter the month and year covered by the report, the facility name, permit number, mailing address, and phone number.
2. For each operating day of the month, provide the following and identify which days during the month the facility was closed.

Column 1: **Total weight accepted:** Enter the total weight, in **tons**, of all waste accepted at the facility for each day. The total must include weights to be reported in columns 2, 3, and 4.

Column 2: (Only applicable to landfill disposal facilities) **Weight which is reused or recycled in accordance with facility permit:** Enter the weight, in **tons**, of waste accepted at the facility which was productively reused at the facility in accordance with the facility's permit OR was recovered and sold in accordance with the facility's permit.

Column 3: (Only applicable to landfill disposal facilities) **Weight accepted from a DEQ approved emergency or special event:** Enter the weight, in **tons**, of waste accepted at the facility from an emergency or special event for which the facility received prior approval from the DEQ to waive the state disposal fee.

Column 4: (Only applicable to landfill disposal facilities) **Weight accepted from large industrial waste generators with DEQ exemption certificate:** Enter the weight, in **tons**, of waste received from large industrial waste generators which was accompanied by a large industrial waste generator fee exemption certificate issued by the DEQ.

Column 5: (Only applicable to landfill disposal facilities) **Time scales placed out-of-service:** Enter the approximate time (hour:minute) the scales became inoperative.

Column 6: (Only applicable to landfill disposal facilities) **Time scales placed into service:** Enter the approximate time (hour:minute) the scales were placed into service.

*Note: Section 2-10-802 of the Oklahoma Solid Waste Management Act requires operators of certain landfill disposal facilities to weigh all solid waste received at the landfill. **Only when the scales are inoperative may a landfill record the volume of waste***

Column 7: **Total volume accepted:** Enter the total volume in **cubic yards** of all waste accepted at the facility. The total must include volumes to be reported in columns 8, 9, and 10.

Column 8: (Only applicable to landfill disposal facilities) **Volume which is reused or recycled in accordance with facility permit:** Enter the volume, in **cubic yards**, of waste accepted at the facility which was productively reused at the facility in accordance with the facility's permit OR was recovered and sold in accordance with the facility's permit.

Column 9: (Only applicable to landfill disposal facilities) **Volume accepted from a DEQ approved emergency or special event:** Enter the volume, in **cubic yards**, of waste accepted at the facility from an emergency or special event for which the facility received prior approval from the DEQ to waive the state disposal fee.

Column 10: (Only applicable to landfill disposal facilities) **Volume accepted from large industrial waste generators with DEQ exemption certificate:** Enter the volume, in **cubic yards**, of waste received from large industrial waste generators which was accompanied by a large industrial waste generator fee exemption certificate issued by the DEQ.

3. At the end of the month, calculate the total down time for the scales (hours:minutes) and include in the space provided. Sum each column and include in the appropriate column.



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 3/12/2019
To: Utilities Authority
From: Albert Pierce, Solid Waste Department Superintendent
Re: Solid Waste Department Monthly Report - February 2019

Report of monthly activity for February.

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Department Monthly Report - February 2019	Cover Memo	3/4/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***February 2019***

A. Work Completed:

1. Hauled 21.30 tons of extra hauling
2. Hauled 37 loads of extra hauling
3. Picked up and delivered 14 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Refurbished dumpsters
7. Replaced 4 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For March

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '1-19 – Dec. 31-19

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of City Clerk

Memorandum

Date: 3/4/2019
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utility Department Monthly Report - February 2019

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Utility Department Monthly Report - February 2019	Exhibit	3/4/2019



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

FEB 2019

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6820		5945		6742	
Total Revenue Billed	\$321,539.38	\$2,743,966.69	\$206,240.16	\$1,829,897.59	\$355,148.18	\$3,198,386.65
Adjustments in Dollar	(\$2,242.58)	(\$36,765.48)	(\$2,125.31)	(\$129,640.65)	(\$2,728.54)	(\$50,115.19)
TOTAL CASH RECEIPTS	\$217,214.18	\$2,503,902.25	\$145,548.79	\$1,617,630.41	\$277,096.85	\$2,868,255.24

CONSUMPTION IN GALLONS	92,011,400
------------------------	------------

NEW SERVICE APPLICATIONS	104
NUMBER OF WALK INPHONE PAYMENTS	1,627
MAIL PAYMENTS	1,252
CREDIT CARD PAYMENTS	953
WEB PAYMENTS	979
DROP BOX PAYMENTS	462
BANK DRAFT PAYMENTS	777
CREDIT CARD DRAFT PAYMENTS	209
KIOSK	811
OTHERS	



The City of Durant

Office of the Water and Sewer Maintenance Department

Memorandum

Date: 3/8/2019
To: Utilities Authority
From: Jay Neal- Utility Line Maintenance Supervisor
Re: Utility Line Maintenance Report- February 2019

-
1. **Line Repairs, Taps, Installs**
 - a. **Water Leaks: 38**
 - b. **Water Taps: 4**
 - c. **Sewer Stops: 19**
 - d. **Sewer Taps: 6**
 2. **Upcoming/Ongoing/Completed Projects**
 - a. **Completed: Wedding Venue complete sewer line repair and tap (4 days)**
 - b. **Completed: Library water/sewer tie-in to support mobile shower and laundry site**
 - c. **Ongoing: Consultation and Tap installation for 2 apartment complexes on N 1st**
 - d. **Upcoming: 2 major lift station repairs @ trailer park and Country Estates**

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
City Council Attachment	Cover Memo	3/8/2019

February 2019

Water Leaks:	38
Water Taps:	4
Sewer Leaks:	19
Sewer Taps:	6
Other Completed Jobs:	195
Carryover Balance to Next Month	21

Jobs/Day	3.2
Jobs/Week	16.8
Jobs/Month	67

Added Leaks	59
Taps	19



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 3/6/2019
To: Utilities Authority
From: Terry Condor, Water Water Treatment Plant Superintendent
Re: Waste Water Treatment Plant and Lab Monthly Report - February 2019

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Waste Water Treatment Plant and Lab Monthly Report - February 2019	Exhibit	3/6/2019



The City of Durant
Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN FEBRUARY 2019

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 2-22-19
- 3: CLEAN BLEND TANK MIXER 2-22-19
- 4: CLEAN EFFLUENT PUMP STATION ----
- 5: CLEAN RAW WATER PUMP STATION ----
- 6: CLEAN SCUM PUMP STATION
- 7: CLEAN DRAIN LIFT STATION 2-8-19
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 2-4-19
- 9: CALIBRATE DISCHARGE DO & PH METER 2-25-19
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 2-6-19
- 11: RESET SBR PLC
- 12: WASH DOWN STEP SCREEN 2-20-19
- 13: CLEAN UV TROUGHS AND FLUME 2-15-19
- 14: CHECK ELECTRIC MANHOLES
- 15: CLEAN OUT BUILDINGS 2-6-19
- 16: MANUALLY CHECK U.V. BULBS 2-13-19
- 17: WASH DOWN CASINO STEPSCREEN 2-13-19
- 18: CHECK ALL AUTOMATIC VALVES
- 19: VEHICLE INSPECTION 2-8-19
- 20: WALK-THRU INSPECTION 2-6-19
- 21: CLEAN ALL PLC's
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY 2-4-19, 2-20-19, 2-27-19
- 24: COMPLETE VFD PUMP AT HEADWORKS 2-25-19
- 25: CLEAN OUT GLASS FROM UV BANKS
- 26: REINSTALL UV MODULES
- 27: INSTALL DIGESTER FEED PUMP 2-15-19

TREATED 94,738 MG OF WASTEWATER
PROCESSED 0.866555 MG OF TREATED SLUDGE

B: WORK PLANNED FOR MARCH 2019

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS
- 3: CLEAN BLEND TANK MIXER
- 4: CLEAN EFFLUENT PUMP STATION ----
- 5: CLEAN RAW WATER PUMP STATION ----
- 6: CLEAN SCUM PUMP STATION
- 7: CLEAN DRAIN LIFT STATION
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
- 9: CALIBRATE DISCHARGE DO & PH METER
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER
- 11: RESET SBR PLC
- 12: WASH DOWN STEP SCREEN
- 13: CLEAN UV TROUGHS AND FLUME
- 14: CHECK ELECTRIC MANHOLES
- 15: CLEAN OUT BUILDINGS
- 16: MANUALLY CHECK U.V. BULBS
- 17: WASH DOWN CASINO STEPSCREEN
- 18: CHECK ALL AUTOMATIC VALVES
- 19: VEHICLE INSPECTION
- 20: WALK-THRU INSPECTION
- 21: CLEAN ALL PLC's
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY
- 24: REINSTALL UV MODULES



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

2/1/19 to 2/28/19

Tests Processed

<u>74</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>12</u>	NH3's
<u>4</u>	DO's
<u>28</u>	Ph's
<u>0</u>	Fecal Coliforms (May 1 st – Sept. 30 th) * 6 per set
<u>0</u>	FOG's

Work Projects

- Data entry
- Reports (water test results), Make copies and envelope
- Purchase Orders, copy, file
- Equipment calibrations and maintenance
- Sampling and process readings
- Quality Assurance, Quality Control tests
- Laboratory Testing
- Filing
- Daily/Weekly laboratory and WWTP building cleaning
- Monthly, Quarterly, Bi-annual, Yearly reports
- Ordering Lab chemicals and supplies
- Water Billing
- Storm water monitoring
- Storm water Report
- Pre-Treatment

Process Water and Sludge Flow Report

February 2019

Date	Influent Flow (MG)	Drain Lift Station Flow (MG)	Casino Lift Station Flow (MG)	Combined Infl (MG)	Effluent Flow (MG)	GBT #1 Flow (KG)	GBT #2 Flow (KG)	Sludge Flow Digester #1 (KG)	Sludge Flow Digester #2 (KG)
2/1/2019	2.481	0.080	0.271	2.832	3.029	44.939	0.000	0.000	10.075
2/2/2019	2.296	0.029	0.339	2.664	2.831	0.003	0.000	0.000	8.390
2/3/2019	2.427	0.025	0.250	2.702	2.863	0.001	0.000	0.000	7.956
2/4/2019	2.885	0.109	0.211	3.205	3.276	44.366	0.000	0.000	6.973
2/5/2019	2.659	0.070	0.229	2.958	3.211	43.537	0.000	0.000	8.682
2/6/2019	2.488	0.071	0.252	2.812	2.917	47.301	0.000	0.000	9.133
2/7/2019	2.761	0.070	0.251	3.081	3.694	45.256	0.000	0.000	8.443
2/8/2019	2.519	0.069	0.249	2.837	2.992	45.741	0.000	0.000	9.498
2/9/2019	2.442	0.020	0.295	2.758	2.768	0.019	0.000	0.000	8.161
2/10/2019	2.637	0.020	0.271	2.928	3.074	0.017	0.000	0.000	8.169
2/11/2019	3.734	0.085	0.250	4.068	4.335	44.479	0.000	0.000	8.860
2/12/2019	2.841	0.072	0.228	3.142	3.409	45.615	0.000	0.000	8.799
2/13/2019	3.308	0.065	0.208	3.581	3.641	44.652	0.000	0.000	9.114
2/14/2019	3.096	0.075	0.271	3.442	3.545	47.432	0.000	0.000	11.849
2/15/2019	2.857	0.069	0.272	3.198	4.300	47.320	0.000	0.000	10.509
2/16/2019	2.625	0.030	0.293	2.948	3.511	0.139	0.000	0.000	10.366
2/17/2019	2.684	0.026	0.272	2.983	3.534	0.123	0.000	0.000	10.203
2/18/2019	2.647	0.028	0.253	2.927	5.142	0.003	0.000	0.000	10.153
2/19/2019	2.515	0.076	0.273	2.864	3.415	48.258	0.000	0.000	10.855
2/20/2019	2.865	0.069	0.252	3.186	3.883	48.193	0.000	0.000	10.916
2/21/2019	2.559	0.066	0.239	2.864	3.269	48.197	0.000	0.000	10.326
2/22/2019	2.804	0.060	0.312	3.176	3.428	44.532	0.000	0.000	10.737
2/23/2019	2.896	0.037	0.337	3.271	3.439	0.017	0.000	0.000	10.934
2/24/2019	2.562	0.033	0.261	2.855	2.840	0.011	0.000	0.000	10.868
2/25/2019	2.348	0.078	0.207	2.633	2.591	44.515	0.000	0.000	11.121
2/26/2019	2.947	0.073	0.249	3.268	3.393	42.700	0.000	0.000	12.672
2/27/2019	2.753	0.070	0.191	3.015	3.118	44.728	0.000	0.000	12.729
2/28/2019	2.941	0.068	0.228	3.237	3.291	44.459	0.000	0.000	12.020

Sum	76.576	1.642	7.217	85.435	94.738	866.555	0.000	0.000	278.511
Avg	2.735	0.059	0.258	3.051	3.384	30.948	0.000	0.000	9.947
Min	2.296	0.020	0.191	2.633	2.591	0.001	0.000	0.000	6.973
Max	3.734	0.109	0.339	4.068	5.142	48.258	0.000	0.000	12.729

2/15/2019	2.73
2/16/2019	2.74
2/17/2019	2.75
2/18/2019	2.76
2/19/2019	2.77
2/20/2019	2.78
2/21/2019	2.79
2/22/2019	2.80
2/23/2019	2.81
2/24/2019	2.82
2/25/2019	2.83
2/26/2019	2.84
2/27/2019	2.85
2/28/2019	2.86
2/29/2019	2.87
2/30/2019	2.88
3/1/2019	2.89
3/2/2019	2.90
3/3/2019	2.91
3/4/2019	2.92
3/5/2019	2.93
3/6/2019	2.94
3/7/2019	2.95
3/8/2019	2.96
3/9/2019	2.97
3/10/2019	2.98
3/11/2019	2.99
3/12/2019	3.00
3/13/2019	3.01
3/14/2019	3.02
3/15/2019	3.03
3/16/2019	3.04
3/17/2019	3.05
3/18/2019	3.06
3/19/2019	3.07
3/20/2019	3.08
3/21/2019	3.09
3/22/2019	3.10
3/23/2019	3.11
3/24/2019	3.12
3/25/2019	3.13
3/26/2019	3.14
3/27/2019	3.15
3/28/2019	3.16
3/29/2019	3.17
3/30/2019	3.18
3/31/2019	3.19



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 3/1/2019
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - February 2019

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
February MOR #1	Cover Memo	3/1/2019
February MOR #2	Cover Memo	3/1/2019
February CLO2 and Chlorite	Cover Memo	3/1/2019
February Monthly Report	Cover Memo	3/1/2019

Mail **original** before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Plant: Durant Water Treatment F
PWSID: 1010601
Month: February 2019
Population: 19,491

Durant City Utilities Authority
System

PO Box 578
Address

Durant OK
City

74702
ZIP

DAY	WATER TREATED	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.										ALKALINITY						pH			CaCO3 STABILITY Method:	HARDNESS (ppm)			Chlorite residual	Chlorite lbs/day	REMARKS	
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:		CARBON	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		AM PM			AM	RAW	FILT				
		1	2	3	4	5	6	7	8									PRE	POST	RAW	FILT	RAW	FILT		FILT	RAW	FILT	RAW	FILT								FILT
1	4,137	23	0	23	23	23	24	23	23	147	1200	0	40	0	0	0	0	0	80			300	278		0.2	288	260	7.9	7.3	7.3	282	316	310	0.8	240		
2	4,136	23	0	23	23	23	23	24	24	137	1400	0	40	0	0	0	0	0	110			278	286		0.11	292	264	7.6	7.2	7.3	266	300	310	0.8	240		
3	4,184	23	0	23	23	23	23	23	23	140	1300	0	40	0	0	0	0	0	80			288	270		0.13	284	260	7.7	7.3	7.3	256	306	300	0.8	240		
4	4,163	23	0	23	23	24	24	24	24	50	1300	0	40	0	0	0	0	0	110			286	266		0.11	288	258	7.8	7.3	7.3	270	282	304	0.8	240		
5	4,172	23	0	23	23	23	23	23	23	150	1300	0	40	0	0	0	0	0	80			292	278		0.1	286	268	7.9	7.3	7.2	282	286	294	0.8	240		
6	4,175	24	0	24	24	24	24	24	24		1300	0	40	0	0	0	0	0	120			272	272		0.14	280	266	7.8	7.3	7	270	310	318	0.8	240		
7	3,735	23	0	23	23	24	24	24	24	75	3800	0	40	0	0	0	0	120	80			186	280		0.15	126	242	8	7.3	7.4	250	280	260	0.9	240		
8	3,709	23	0	23	23	24	24	24	24	75	4300	0	40	1328	0	0	0	155	85			186	180		0.13	226	172	7.9	7	7.6	250	280	260	0.9	240		
9	3,753	24	0	24	24	24	24	23	24	33	3400	0	40	1375	0	0	0	180	80			168	160		0.16	192	154	7.7	7.5	7.4	190	224	240	0.85	240		
10	3,786	24	0	24	24	23	23	24	23	90	2900	0	40	1375	0	0	0	110	70			172	156		0.14	178	152	7.6	7.6	7.6	160	194	206	0.71	240		
11	3,821	24	0	24	24	24	24	24	24		3800	0	40	1375	0	0	0	160	60			200	156		0.13	228	168	7.7	7.7	7.9	152	216	194	0.76	240		
12	4,050	23	0	23	23	24	24	24	24	90	4200	0	40	1375	0	0	0	140	60			130	166		0.17	156	146	7.6	7.6	7.3	162	204	230	0.76	260		
13	3,855	24	0	24	24	23	23	24	24	60	4500	0	40	1375	0	0	0	150	70			170	134		0.21	200	150	7.8	7.4	7.4	158	200	208	0.66	280		
14	4,411	23	0	23	23	24	24	23	23	135	4000	0	40	1375	0	0	0	150	70			174	152		0.2	208	154	7.7	7.4	7.6	138	212	222	0.8	280		
15	4,525	24	0	24	24	24	24	24	24		2300	0	40	963	0	0	0	170	70			232	178		0.1	262	196	7.7	7.5	7.7	158	232	210	0.9	280		
16	4,317	23	0	23	23	23	23	24	24	160	2300	0	40	1100	0	0	0	130	70			248	222		0.11	250	208	8	7.8	7.6	180	278	282	0.85	280		
17	3,776	23	0	23	23	24	24	23	23	155	1500	0	40	413	0	0	0	90	60			274	234		0.36	264	236	7.8	7.4	7.8	200	284	266	0.8	230		
18	3,753	24	0	24	24	24	24	24	24		1600	0	40	412	0	0	0	70	60			286	256		0.24	276	246	8.1	7.5	7.5	234	282	266	0.71	230		
19	3,797	23	0	23	23	23	23	23	23	175	1800	0	40	275	0	0	0	70	70			260	252		0.39	288	270	7.7	7.4	7.4	238	276	278	0.71	230		
20	3,891	23	0	23	23	24	24	24	24	60	3600	0	40	825	0	0	0	70	70			188	258		0.35	176	230	7.5	7.2	7.3	246	226	270	0.9	240		
21	3,988	23	0	23	23	23	23	23	23	148	2900	0	40	1100	0	0	0	70	70			190	184		0.36	208	200	7.7	6.9	7.5	242	206	234	0.71	240		
22	3,966	24	0	24	24	24	24	24	24		1700	0	40	1100	0	0	0	70	70			220	182		0.2	232	196	7.7	7.4	7.8	194	252	234	0.76	240		
23	3,918	23	0	23	23	24	24	24	24	90	1700	0	40	825	0	0	0	100	70			226	200		0.18	234	210	7.8	7.2	7.7	178	282	256	0.9	240		
24	3,958	24	0	24	24	23	23	23	23	100	1500	0	40	825	0	0	0	80	70			238	226		0.11	240	218	8	7.6	7.9	198	250	250	0.8	240		
25	3,942	24	0	24	24	24	24	24	24		1800	0	40	0	0	0	0	70	50			240	214		0.13	276	214	7.8	7.6	7.3	200	248	244	0.9	240		
26	3,885	23	0	23	23	24	24	24	24	70	1600	0	40	0	0	0	0	50	50			252	212		0.17	270	236	7.7	6.7	6.8	220	268	246	0.85	240		
27	3,978	23	0	24	23	23	23	23	23	160	1500	0	40	0	0	0	0	80	80			260	242		0.18	276	244	7.7	7	6.8	234	288	300	0.9	240		
28	3,995	24	0	23	24	24	24	24	24	30	1600	0	40	0	0	0	0	70	70			250	244		0.15	276	234	7.8	7.1	7.3	258	308	282	0.76	240		
29																																					
30																																					
31																																					
TOT	111776	655	0	655	655	661	662	662	662	2330	66100		1120	17416				2355	2085			6466	6138		5.11	6760	6052	218	206	208	6066	7290	7274	22.59	6870		
Avg	3992	24	0	24	24	24	24	24	24	83	2361		40.00	622				84	74			231	219		0	241	216	7.8	7.3	7.4	216.6	260	260	0.807	#####		

Power Costs	\$14,685.42
Labor Costs	\$49,250.80
Chemicals	\$19,478.04
Supplies	\$492.78
Repairs	\$524.96
TOTAL	\$84,432.00

Cost per thousand Gallons \$ 0.75

Ave. Rate of Wash (Vert. in/min.)

Ave Wash Period (Minutes)

% Wash Water Used 2.08%

Ave. Head Loss for Washing

I hereby certify the above to be correct
to the best of my knowledge.

Signed

Title

DEQ Form # 630-577A
Revised 9/1/2000

Oper. Cert. No. B 90404

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS**

System

Address

City

ZIP

PWSID: 1010601

Population: 19.491

Population:	<u>19,491</u>
--------------------	---------------

☒ Rapid Rate Filter

☐ Slow Sand Filter

No. OF SAMPLES	% OF TOTAL SAMPLES
-------------------	-----------------------

TURBIDITY GREATER THAN 0.5 NTU:	0	0%
TURBIDITY GREATER THAN 0.3 NTU:	0	0%
TURBIDITY GREATER THAN 0.1 NTU:	13	8%

TOTAL NO. OF TURBIDITY ANALYSES:	168
----------------------------------	-----

HIGHEST TURBIDITY READING	0.15	◀
NUMBER OF SAMPLES > 1 NTU	0	◀
NUMBER OF SAMPLES > 5 NTU	0	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	0.12	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	5.25	◀ NOT REQUIRED
CHLORINE RESIDUAL < 1.0 mg/l LEAVING PLANT (# Samples)		

INDIVIDUAL FILTER TURBIDITY CHECKLIST

☒ Yes ☐ No

2. DID ANY SINGLE FILTER EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 3.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH?

☐ No, Go to Question 3.

☐ Yes, Schedule Comprehensive Performance Evaluation (CPE) with DEQ.

3. DID ANY SINGLE FILTER EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 4.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS?

☐ No, Go to Question 4.

☐ Yes, What date was the filter self-assessment completed?

4. DID ANY SINGLE FILTER EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION?

☒ No, You are finished with the checklist.

☐ Yes, What date was the filter profile completed?

*** IF ANY OF QUESTIONS 2 THROUGH 4 ARE CHECKED "YES", YOU MUST**

COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

	TURBIDITY									RESIDUAL DISINFECTANT								COMMENTS	
DAY	RAW	SET	SET	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION			
										12am	4am	8am	12pm	4pm	8pm	SYSTEM			
1	8.09	2.8	2.4	0.07	0.05	0.08	0.04	0.05	0.06	2.75	2.66	2.64	2.85	2.75	2.64	1.41	1.47		
2	8.51	2.8	3.5	0.07	0.06	0.05	0.03	0.03	0.03	2.64	2.73	2.84	2.70	2.74	2.61	2.49	1.41		
3	8.56	2.1	2.6	0.05	0.04	0.03	0.03	0.03	0.03	2.61	2.70	3.02	2.54	2.51	2.47	1.43	2.63		
4	8.88	1.8	2.6	0.08	0.03	0.03	0.03	0.04	0.05	2.43	2.47	2.45	2.44	2.45	2.44	2.31	1.37		
5	8.90	1.9	1.7	0.07	0.05	0.03	0.03	0.03	0.03	2.43	2.74	2.64	2.46	2.43	2.42	1.30	1.27		
6	8.42	1.6	2.5	0.03	0.03	0.03	0.03	0.03	0.03	2.42	2.41	2.42	2.39	2.40	2.39	2.23	1.19		
7	8.77	5.4	5.8	0.05	0.04	0.03	0.03	0.03	0.04	2.39	2.46	2.42	2.45	2.11	2.48	1.18	0.92		
8	143.50	5.1	5.2	0.05	0.08	0.15	0.11	0.14	0.09	2.24	2.19	2.32	2.19	2.25	2.39	2.25	0.88		
9	65.73	3.9	3.8	0.06	0.05	0.04	0.04	0.07	0.12	2.51	2.83	2.96	3.09	2.63	3.05	0.81	2.45		
10	45.47	3.2	5.7	0.12	0.08	0.06	0.05	0.05	0.05	3.15	3.55	3.47	3.38	3.24	3.05	2.59	1.18		
11	33.52	3.7	4.5	0.05	0.05	0.04	0.04	0.04	0.04	3.05	3.10	3.13	2.96	2.85	2.75	1.31	1.41		
12	57.27	3.9	3.5	0.08	0.04	0.04	0.03	0.03	0.03	2.79	3.00	2.98	2.58	2.37	2.16	2.47	1.24		
13	40.62	2.8	3.4	0.11	0.07	0.04	0.04	0.04	0.04	2.22	2.57	2.57	2.49	2.31	2.42	1.24	1.35		
14	34.31	2.7	3.1	0.06	0.10	0.05	0.04	0.04	0.04	2.47	2.89	2.85	2.66	2.57	2.39	2.03	1.13		
15	25.33	3	3.1	0.04	0.04	0.03	0.03	0.03	0.03	2.58	2.78	2.84	2.93	2.82	2.68	1.10	2.41		
16	20.44	2.4	2.1	0.12	0.04	0.08	0.04	0.06	0.12	2.86	3.12	3.24	3.45	3.27	2.97	2.43	1.17		
17	16.21	2.7	3.1	0.10	0.11	0.03	0.03	0.03	0.03	2.79	3.14	3.22	3.06	3.01	2.52	1.10	2.79		
18	10.53	2.8	3.8	0.03	0.03	0.04	0.05	0.06	0.07	2.53	2.69	2.75	2.88	2.83	2.58	2.52	0.89		
19	9.79	2.7	2.8	0.12	0.07	0.03	0.03	0.03	0.05	2.63	3.05	3.03	3.11	3.04	3.02	1.11	1.24		
20	18.11	3.7	3.9	0.06	0.08	0.03	0.03	0.03	0.03	3.06	3.34	3.41	2.95	2.63	2.39	2.81	1.31		
21	32.87	3.7	3.9	0.04	0.05	0.05	0.13	0.10	0.05	2.43	2.51	2.57	2.57	2.62	2.39	1.29	1.52		
22	17.63	3.4	3.4	0.04	0.04	0.04	0.03	0.03	0.04	2.38	2.42	2.48	2.53	2.51	2.45	2.27	1.36		
23	14.01	3.5	4.2	0.05	0.07	0.05	0.04	0.04	0.06	2.47	2.53	2.58	2.49	2.37	2.14	1.29	1.13		
24	17.35	2.7	3.8	0.07	0.11	0.04	0.03	0.03	0.03	2.19	2.37	2.66	2.57	2.55	2.36	0.91	2.19		
25	12.39	2.7	3.4	0.03	0.03	0.03	0.03	0.03	0.03	2.43	2.48	2.57	2.68	2.50	2.15	1.99	0.96		
26	10.03	2.2	2.4	0.04	0.03	0.09	0.05	0.04	0.05	2.47	2.59	2.75	2.99	2.93	2.58	0.90	2.38		
27	9.23	2.5	2.9	0.06	0.06	0.12	0.04	0.03	0.03	2.62	3.08	2.84	2.92	2.74	2.71	2.43	0.99		
28	8.93	2.8	3.2	0.03	0.04	0.06	0.03	0.03	0.04	2.75	2.82	2.90	2.95	2.91	2.79	0.96	2.62		
29																			
30																			
31																			



CHLORINE DIOXIDE AND CHLORITE MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWSID: OK 1010601

PWS Name: City of Durant

2. Compliance Information:

Water System Facility ID: 1010601

Plant Name: Durant Water Plant

Month: February Year: 2019

3. Analytical Results & Summary Information:

Entry Point Monitoring			Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.2	0.8	Number of Samples Required:					
2	0.11	0.8	Number of Samples Collected: 28					
3	0.13	0.8	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.11	0.8	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L? 0					
5	0.1	0.8	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.14	0.8	Chlorite Daily Monitoring (Summary Type: CLO2)					
7	0.15	0.76	Number of Samples Required:					
8	0.13	0.9	Number of Samples Collected: 28					
9	0.16	0.85	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.14	0.71	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.13	0.76	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.17	0.76	* If you didn't use Chlorine Dioxide for disinfection any day this month, please mark "n/a" in that day's box to prevent a Monitoring violation.					
13	0.21	0.66						
14	0.2	0.8						
15	0.1	0.9	Routine Chlorite Monthly Monitoring in Distribution System					
16	0.11	0.85	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.36	0.8	Near 1st Customer					
18	0.24	0.71	Avg. Residence Time					
19	0.39	0.71	Max. Residence Time					
20	0.35	0.9	Monitoring Period Average:					
21	0.36	0.71	Mark (X) if analytical results were reported electronically: _____ - If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL. - If more than one three-sample set was collected, attach additional copies of this form.					
22	0.2	0.76						
23	0.18	0.9						
24	0.11	0.8						
25	0.13	0.9						
26	0.17	0.85						
27	0.18	0.9						
28	0.15	0.76						
29								
30								
31								

Signature of owner or operator: _____

Date: _____

Operator License Number _____

Send all documents to:

Joe Keeble
Disinfection Byproducts Compliance Coordinator
Water Quality Division, DEQ
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ Form # 630-577D
 Revision 06/01/2009



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule February 2019 Monthly Report

A. Work Completed

1. Calibrate lab instruments daily
2. Maintained Water Plant
3. Cleaned all buildings weekly
4. Backwashed filters as needed
5. Backwashed raw pumps weekly
6. Hooked up chlorine tanks and checked for leaks
7. Unload chemicals as they arrived
8. Pulled sludge as needed
9. Run daily chlorine dioxide samples on raw line
10. Flushed alum pumps
11. Inspected fire extinguishers
12. Pulled required water samples and send to ODEQ
13. Clean turbidity meters as needed
14. Cleaned screens on CLO2 generator as needed
15. Replaced broken coupler on day tank diesel fill pump
16. Replaced pipe and put new valve on caustic line for unloading trucks
17. Changed 8' light fixtures over to LED light fixtures in the old pump building
18. Greased air scour blower motor and tighten belts on blower motor
19. Did our annual Fit test for SCBA's
20. Fixed water leak on polymer feed line
21. Greased New Plant Rapid mixer and motor
22. Did monthly safety inspection
23. Mowed around Plant grounds
24. Weed eaten around buildings around Plant grounds
25. Replaced started motor on the Backwash pump motor
26. Worked on #1 backwash valve
27. Replaced lugs on motor leads on #2 Transfer pump motor caused from leaking roof
28. Worked on sludge pumps
29. Had roofer out to give quote on roof replacement
30. Treated 111,776,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

- | | |
|-----------------------------------|-----------------|
| 1. Paint buildings | Time permitting |
| 2. Put Gravel at Chuckwa Tower | Time Permitting |
| 3. Put Gravel at Raw Pump Station | Time Permitting |
| 4. Fix #2 filter underdrain | Time permitting |
| 5. Build new Fluoride Building | |

C. Projects Planned and Requested for Authorization

- A. Upgrade raw pump building at the water plant
- B. Upgrade Scada system on Old and New Plant Filters



The City of Durant

Deputy City Manager of Administration

Memorandum

Date: 3/8/2019
To: Utilities Authority
From: Greg Buckley, Assistant City Manager; Marty Cook, Public Works Director
Re: Consider, Discuss and Authorize the City Manager to Submit a Clear Water State Revolving Fund (CWSRF) Loan Application to Oklahoma Water Resources Board (OWRB) for Four Million Dollar Loan to Upgrade the Water Utility System to an Automatic Meter Reading and Advanced Reading Infrastructure System

City Staff is requesting authorization to submit a CWSRF loan application to OWRB for a \$4 Million dollar loan. The purpose of the loan is for upgrading the water meters and installation of the network infrastructure for an automatic meter reading and advanced reading infrastructure system. The process for getting approval from the OWRB can take one to two months from submitting an application.

As previously discussed with Council, the meters within the water utility system are aged and in some cases not working. Aged meters under register water usage which results in water that gets used but not paid for. The City has been working over the past few years to purchase and install meters which would allow automatic meter reading, but based on budget constraints and man power limited progress has been accomplished. Obtaining a CWSRF loan would allow the system to be upgraded over a period of months verses years. Current OWRB CWSRF rates for twenty (20) year loan is 2.39%, including Administrative Fees. The Federal Prime Rate as of December 2018 is 2.5%.

Council Information / Action Requested

Authorize the City Manager to submit a Clear Water State Revolving Fund (CWSRF) Loan Application to Oklahoma Water Resources Board (OWRB) for Four Million Dollar Loan to upgrade the water utility system to an Automatic Meter Reading and Advanced Reading Infrastructure System

City Staff Information / Action Follow-up, if Council authorizes this action:



The City of Durant

Grants Department

Memorandum

Date: 3/8/2019
To: Utilities Authority
From: Rebecca Collins, Grants Coordinator
Re: Consideration To Designate The Oklahoma Water Resources Board Clear Water State Revolving Fund (CWSRF) Loan Funds As A Non-Federal Match Towards The U.S. Department Of The Interior Bureau Of Reclamation 2019 WaterSMART Water And Energy Efficiency Program Grant Applications For A City-Wide Automatic Meter Reader Project.

This agenda item should follow the previous item requesting authority for city staff to submit a CWSRF loan application.

The motion might need to include a "contingent upon the loan approval".

The attached resolutions included on council agenda are provided here for your information and do not require DCUA action.

The city has a unique opportunity to submit (2) two applications through the 2019 WaterSMART Water and Energy Efficiency Program, as follows:

Scope of each application will be the same:

City-wide AMR project, including an AMI Network System -

TOTAL BUDGET: \$ 3,299,704

(+ city administrative & Public Works in-kind labor for project management)

Group 1 Category:

Apply for the maximum \$300K

OWRB / CWSRF funds in the amount of \$ 2,999,704

(+ city administrative & Public Works in-kind labor for project management)

Group 2 Category:

Apply for the maximum \$1.5 million

OWRB / CWSRF funds in the amount of \$ 1,799,704

(+ city administrative & Public Works in-kind labor for project management)

At time of agenda preparation, staff is working on the city in-kind amount for the budget. This will be included in both attached resolutions before council meeting.

If both applications score well, the city would be given an option, as to which one to receive.

Council Information / Action Requested

Approve designation of CWSRF loan funds upon approval towards the AMR grant applications.

City Staff Information / Action Follow-up, if Council authorizes this action:

Staff will work together to complete the grant applications.

ATTACHMENTS:

Description	Type	Upload Date
Resolution 2019-07 AMR Project - Group 1	Cover Memo	3/8/2019
Resolution 2019-08 AMR Project - Group 2	Cover Memo	3/8/2019

Resolution No. 2019-07

**A RESOLUTION FOR PROJECT SUPPORT AND MATCH FUNDS COMMITMENT
U.S. Department of Interior - Bureau of Reclamation
FY19 WaterSMART: Water and Energy Efficiency Program BOR-DO-19-F004**

The City of Durant, Oklahoma recognizes stewardship responsibility for water resources and has determined the critical need for an **Automatic Meter Reader (AMR) project** throughout the entire community, to include **AMI Network Infrastructure**.

WHEREAS, Due to a large number of outdated, non-functioning and un-documented meters, as well as the lack of automation capability, the city has been consistently plagued with substantial water leaks, inaccurate meter readings and annually more than a (%%%) significant revenue loss; and

WHEREAS, A city-wide AMR project with an AMI Network System is necessary to improve water efficiency through diligent stewardship efforts, in order to protect water resources, as well as maintaining adequate and affordable utility services for the extensive community and economic growth occurring in Durant, Oklahoma; and

WHEREAS, the City of Durant is submitting a grant application to the U.S. Department of Interior - Bureau of Reclamation through the **FY19 WaterSMART Water and Energy Efficiency Program** requesting grant funds in the amount of \$ 300,000 for the Automated Meter Reader (AMR) equipment, AMI Network System and necessary apparatus; and

WHEREAS, The city-wide AMR project would include a Group 1 grant request in the amount of \$ 300,000 with a minimum of \$2,999,704 provided through an OK Water Resource Board CWSRF loan, as well as Public Works and administrative staff facilitation, for a project total of \$ 3,299,704. This crucial endeavor would greatly benefit all residents and the City of Durant for long term efforts to reduce error and water usage cost, while significantly increasing water efficiency. Proposed improvements include: 5,999 Neptune compatible meters, fittings, parts, and an AMI Network System, with software and antenna equipment; and

WHEREAS, the City of Durant City Council supports the proposed **FY19 WaterSMART Water and Energy Efficiency Program** grant request and is committed to provide the required non-federal match source to support the application budget necessary for a successful project.

NOW THEREFORE, BE IT RESOLVED, the City of Durant commits a minimum of \$2,999,704 as non-federal match and _____ in-kind support for the **FY19 WaterSMART Water and Energy Efficiency Program** grant budget to implement the Automatic Meter Reader (AMR) project upgrades and AMI Network System.

PASSED AND APPROVED by the Mayor and City Council of the City of Durant, Oklahoma this March 12, 2019, at a regularly scheduled meeting of the governing body, in compliance with the Open Meeting Act, 25 O.S. § 301 et seq.

Jerry L. Tomlinson, Mayor

ATTEST:

Cynthia Price, City Clerk

Resolution No. 2019-08

**A RESOLUTION FOR PROJECT SUPPORT AND MATCH FUNDS COMMITMENT
U.S. Department of Interior - Bureau of Reclamation
FY19 WaterSMART: Water and Energy Efficiency Program BOR-DO-19-F004**

The City of Durant, Oklahoma recognizes stewardship responsibility for water resources and has determined the critical need for an **Automatic Meter Reader (AMR) project** throughout the entire community, to include **AMI Network Infrastructure**.

WHEREAS, Due to a large number of outdated, non-functioning and un-documented meters, as well as the lack of automation capability, the city has been consistently plagued with substantial water leaks, inaccurate meter readings and annually more than a (%%%) significant revenue loss; and

WHEREAS, A city-wide AMR project with an AMI Network System is necessary to improve water efficiency through diligent stewardship efforts, in order to protect water resources, as well as maintaining adequate and affordable utility services for the extensive community and economic growth occurring in Durant, Oklahoma; and

WHEREAS, the City of Durant is submitting a grant application to the U.S. Department of Interior - Bureau of Reclamation through the **FY19 WaterSMART Water and Energy Efficiency Program** requesting grant funds in the amount of \$ 1,500,000 for the Automated Meter Reader (AMR) equipment, AMI Network System and necessary apparatus; and

WHEREAS, The city-wide AMR project would include a Group 2 grant request in the amount of \$ 1,500,000 with a minimum of \$1,799,704 provided through an OK Water Resource Board CWSRF loan, as well as Public Works and administrative staff facilitation, for a project total of \$ 3,299,704. This crucial endeavor would greatly benefit all residents and the City of Durant for long term efforts to reduce error and water usage cost, while significantly increasing water efficiency. Proposed improvements include: 5,999 Neptune compatible meters, fittings, parts, and an AMI Network System, with software and antenna equipment; and

WHEREAS, the City of Durant City Council supports the proposed **FY19 WaterSMART Water and Energy Efficiency Program** grant request and is committed to provide the required non-federal match source to support the application budget necessary for a successful project.

NOW THEREFORE, BE IT RESOLVED, the City of Durant commits a minimum of **\$1,299,704** as non-federal match and _____ in-kind support for the **FY19 WaterSMART Water and Energy Efficiency Program** grant budget to implement the Automatic Meter Reader (AMR) project upgrades and AMI Network System.

PASSED AND APPROVED by the Mayor and City Council of the City of Durant, Oklahoma this March 12, 2019, at a regularly scheduled meeting of the governing body, in compliance with the Open Meeting Act, 25 O.S. § 301 et seq.

Jerry L. Tomlinson, Mayor

ATTEST:

Cynthia Price, City Clerk