

To: Honorable Mayor and City Councilors

From: Michael Spurgeon, City Manager

**Date:** April 1, 2016

Re: Notes to Council

#### 1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

- Police Department Monthly Calls for Service Report February 2016
- Utilities Department Monthly Report February 2016
- General Services Memo Options for Expiring Landfill Contract

#### 2. GENERAL CORRESPONDENCE / NOTIFICATION

- Press Release Redesigned Website Launched This Week
- Press Release Golfboards Now Available at Battle Creek Golf Club

#### 3. SPECIAL EVENTS / ACTIVITIES

• N/A

Respectfully submitted,

Michael L. Spurgeon

jmh

Attachments

| 1. STAFF R | EPORTS / ITEM | S REQUIRIN | G IMMEDIATE                | ATTENTION |
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To: Michael Spurgeon, City Manager

From: Brandon C. Berryhill, Acting Chief of Police Dary

**Date:** March 30, 2016

Re: Calls for Service

#### Attached please find:

• BAPD Calls for Service Report – February 2016

BCB:trl

Attachment



### Broken Arrow Police Department February 2016 Calls For Service



| Calls for Service              | <b>Priority 1</b> | Priority 2 | Priority 3 | Priority 4 | <b>Priority 5</b> | <b>Animal Control</b> |
|--------------------------------|-------------------|------------|------------|------------|-------------------|-----------------------|
| 1st Shift (10pm - 8am)*        |                   |            |            |            |                   |                       |
| Beat 1                         | 8                 | 7          | 170        | 37         | 34                | 0                     |
| Beat 2                         | 11                | 7          | 209        | 35         | 217               | 0                     |
| Beat 3                         | 6                 | 5          | 60         | 15         | 53                | 20                    |
| Beat 4                         | 8                 | 6          | 108        | 23         | 87                | 0                     |
| Beat 5                         | 5                 | 4          | 25         | 11         | 27                | 0                     |
| Beat 6                         | 4                 | 0          | 27         | 11         | 29                | 0                     |
| Beat 7                         | 7                 | 5          | 98         | 25         | 62                | 1                     |
| Beat 8                         | 7                 | 0          | 28         | 3          | 36                | 0                     |
| Other                          | 1                 | 0          | 2          | 7          | 10                | 0                     |
|                                | 57                | 34         | 727        | 167        | 555               | 21                    |
| 1st Shift average response     |                   |            |            |            |                   |                       |
|                                | Priority 1        | Priority 2 | Priority 3 | Priority 4 | <b>Priority 5</b> | <b>Animal Control</b> |
| Call Received to Dispatch      | 0:01:00           | 0:00:56    | 0:02:10    | 0:03:10    | 0:05:24           | 0:00:02               |
| Dispatch to Arrival            | 0:03:34           | 0:04:45    | 0:05:16    | 0:06:48    | 0:05:49           | 0:05:37               |
| Call Start to Arrival (2/2016) | 0:04:33           | 0:05:41    | 0:07:35    | 0:10:03    | 0:10:58           | 0:05:39               |
| Call Start to Arrival (2/2015) | 0:05:42           | 0:05:22    | 0:09:33    | 0:09:45    | 0:08:51           | 0:12:33               |
| 1st Shift Feb. Total Calls     |                   | 1574       | (890 we    |            |                   |                       |
| Calls for Service              | Priority 1        | Priority 2 | Priority 3 | Priority 4 | Priority 5        | Animal Control        |
| 2nd Shift (7am - 5pm)*         |                   |            |            | •          |                   |                       |
| Beat 1                         | 17                | 18         | 295        | 111        | 90                | 19                    |
| Beat 2                         | 10                | 12         | 312        | 220        | 471               | 4                     |
| Beat 3                         | 8                 | 7          | 57         | 54         | 114               | 127                   |
| Beat 4                         | 10                | 10         | 199        | 85         | 189               | 25                    |
| Beat 5                         | 3                 | 2          | 52         | 31         | 41                | 6                     |
| Beat 6                         | 7                 | 3          | 44         | 31         | 91                | 8                     |
| Beat 7                         | 12                | 5          | 164        | 92         | 113               | 35                    |
| Beat 8                         | 5                 | 2          | 53         | 22         | 59                | 6                     |
| Other                          | 0                 | 0          | 10         | 4          | 44                | 0                     |
|                                | 72                | 59         | 1186       | 650        | 1212              | 230                   |
| 2nd Shift average response     |                   |            |            |            |                   |                       |
|                                | Priority 1        | Priority 2 | Priority 3 | Priority 4 | Priority 5        | Animal Control        |
| Call Received to Dispatch      |                   | 0:01:01    | 0:03:37    | 0:08:26    | 0:10:03           | 0:12:24               |
| Dispatch to Arrival            |                   | 0:05:07    | 0:08:05    | 0:08:55    | 0:08:07           | 0:17:44               |
| Call Start to Arrival (2/2016) | 0:06:27           | 0:06:09    | 0:12:06    | 0:17:14    | 0:18:18           | 0:30:13               |
|                                |                   |            |            |            |                   |                       |
| Call Start to Arrival (2/2015) | 0:07:00           | 0:08:01    | 0:13:33    | 0:16:31    | 0:11:33           | 0:31:54               |

<sup>\*</sup> There is some overlap in reponse numbers because all three shifts overlap.

\*Total call and self-initiated call amounts include priority 7 calls.



# Broken Arrow Police Department February 2016 Calls For Service



| Calls for Service              | Priority 1        | Priority 2 | Priority 3 | Priority 4      | Priority 5 | <b>Animal Control</b> |
|--------------------------------|-------------------|------------|------------|-----------------|------------|-----------------------|
| 3rd Shift (3pm - 1am)*         |                   |            |            | _               |            |                       |
| Beat 1                         | 25                | 18         | 260        | 111             | 102        | 8                     |
| Beat 2                         | 20                | 18         | 289        | 145             | 416        | 4                     |
| Beat 3                         | 10                | 11         | 93         | 49              | 65         | 10                    |
| Beat 4                         | 13                | 11         | 199        | 75              | 148        | 11                    |
| Beat 5                         | 9                 | 5          | 44         | 33              | 43         | 2                     |
| Beat 6                         | 6                 | 4          | 51         | 30              | 59         | 3                     |
| Beat 7                         | 22                | 10         | 177        | 103             | 102        | 15                    |
| Beat 8                         | 7                 | 2          | 48         | 18              | 40         | 1                     |
| Other                          | 2                 | 0          | 8          | 5               | 36         | 0                     |
|                                | 114               | 79         | 1169       | 569             | 1011       | 54                    |
| 3rd Shift average response     | time per pr       | riority    |            |                 |            |                       |
|                                | <b>Priority 1</b> | Priority 2 | Priority 3 | Priority 4      | Priority 5 | <b>Animal Control</b> |
| Call Received to Dispatch      | 0:01:12           | 0:01:16    | 0:05:34    | 0:11:30         | 0:12:26    | 0:06:55               |
| Dispatch to Arrival            | 0:05:03           | 0:05:28    | 0:06:30    | 0:08:04         | 0:05:54    | 0:17:32               |
| Call Start to Arrival (2/2016) | 0:06:16           | 0:06:46    | 0:12:15    | 0:19:33         | 0:18:56    | 0:24:55               |
| Call Start to Arrival (2/2015) | 0:07:07           | 0:05:47    | 0:14:15    | 0:17:38         | 0:12:13    | 0:24:38               |
| 3rd Shift Feb. Total Calls     |                   | 2907       | (1418 we   | ere self-initia | ted calls) |                       |

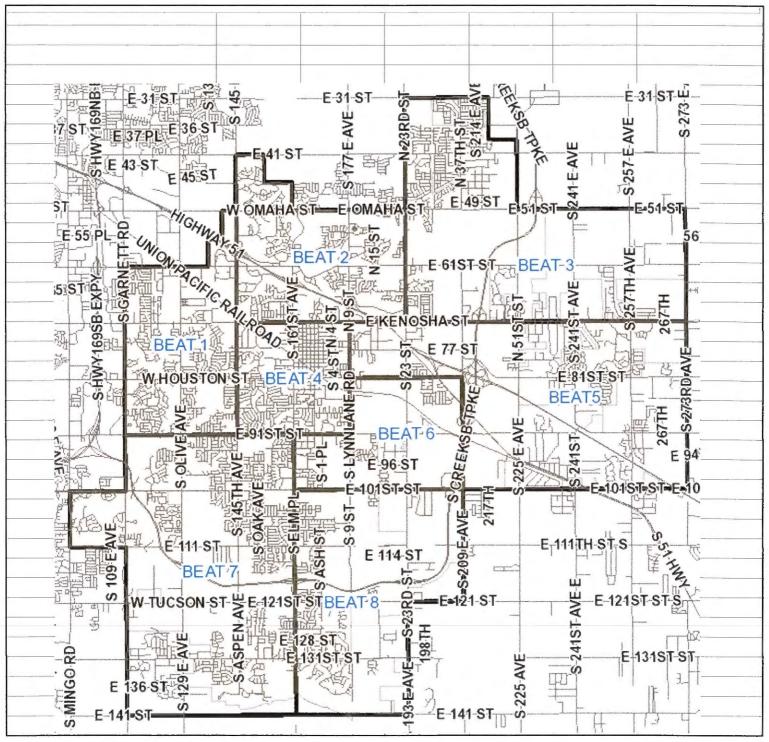
#### **Definitions**

- **Priority 1** = Crimes in progress involving life threatening circumstances and situations that produce or are likely to produce serious bodily injury or death to any person.
- Priority 2 = Crimes in progress or that have just occurred, incidents in progress that present the potential for injury or property damage/loss, situations where the suspect is still at the scene or in the area and will elude apprehension or create the potential for injury or property damage if the police do not arrive rapidly, incidents where an officer is needed to secure a scene or witnesses, and incidents where there is a need for crowd control or traffic control which, if not done immediately, would create the imminent potential for injury or property damage/loss.
- **Priority 3 =** Crimes against people that are misdemeanors in progress or that have just occurred, reports of recent felony crimes, suspicious circumstances with no threat of injury, and incidents that do not require an officer immediately, but need investigation, mediation, or intervention.
- **Priority 4 =** Property or service related calls for an officer to respond that cannot be handled by telephone, misdemeanor reports when caller demands officer or when an officer needs to investigate the scene or interview witnesses, and requests for officers that do not require a quick response.
- Priority 5 = Primarily Officer initiated calls or ten codes used for in-house purposes.



### Broken Arrow Police Department February 2016 Calls For Service





<sup>\*</sup> There is some overlap in reponse numbers because all three shifts overlap.

\*Total call and self-initiated call amounts include priority 7 calls.



To: Michael Spurgeon, City Manager

From: Anthony Daniel, Utilities Director 422

**Date:** March 31, 2016

Re: Utilities Department Monthly Report – February 2016

| Water Treated, Purchased and Distributed | February 2016 | February 2015 |
|--|---------------|---------------|
| Water Purchased from Tulsa               | 0 MG          | 0 MG          |
| Water – Produced at Verdigris WTP        | 266.3 MG      | 234.9 MG      |
| Wasternater                              |               |               |
| Wastewater Treated                       | 44.5.43.50    | 1111310       |
| Lynn Lane Plant                          | 115.5 MG      | 114.1 MG      |
| Haikey Creek Plant flow from BA          | 127.5 MG      | 117.0 MG      |
| Haikey Creek Plant flow from Tulsa       | 188.4 MG      | 156.7 MG      |

#### Sewer Lift Booster Station Equipment Maintenance Summary-David Handy

#### 1. Bass Pro Booster Station:

- a. Installed new motor and seal kit on Pump #2.
- b. Investigated programming of pumps alternating. Scheduled technician for follow up.
- c. Investigated report of "Low DC Voltage" fault on Pump #2 VFD; Powered down then restart to clear fault. Pump back to "AUTO" condition.

#### 2. Greens Lift Station:

a. Removed rotating assembly from pump casing on Pump #1. Broken bolts removed. Waiting to replace with new pump in July (new FY).

#### 3. Kenwood Hills Booster Station:

a. Installed new seal for Pump #2 and greased motor bearings.

#### 4. Villas on the Greens Lift Station:

a. Changed solenoid valve on Pump #1 vacuum controls.

#### 5. Florence Lift Station:

a. Motor checked and evaluated all pump motors.

#### **LLWWTP Maintenance Summary-David Handy**

#### 1. Flow Equalization Basin:

a. DXP installed new rotating assembly. Pump back in operation.

#### 2. Clarifier #1 (West):

- a. Cleaned trash from Diaphragm WAS Pump #1 (2X).
- b. Jet suction line and pushed air through line. Pump back in operation.

#### 3. South Polymer Mixer:

a. Repaired mixer and barrel (3X).

#### 4. Oxidation Ditch:

- a. Operated aerators and gear drive on empty side of ditch.
- b. Lubricated and checked oil levels in gearboxes.

#### 5. Blower Building:

- a. Lubricated motors and blowers.
- b. Blower #6 lost outboard jackshaft bearing. Parts on order.
- c. Replaced air filters on Blower #5 and #7.

#### 6. North Thickener:

a. Replaced faulty timer. Put back in operation.

#### 7. Contact Basins:

a. Cleaned 3ft. of sludge and mud from East and West basins; Washed down and pumped to Digesters.

#### 8. West Belt Press:

a. Changed hydraulic oil and lubricated all bearings.

#### 9. Headworks:

a. Adjusted scraper blades and tightened chains on North Barscreen.

#### 10. Facility Maintenance:

- a. Installed new light at Effluent structure.
- b. Unplugged return line in front of Sludge Transport Building.
- c. Cleaned up scrap metal around facility and placed it in scrap dumpster.
- d. Installed receptacle on outside of Electrical Building.
- e. Service work on A/C unit on north end of Administration Building.
- f. Service work on A/C unit at Electrical Building.
- g. New mower arrived from Fleet Maintenance.
- h. Eight hour Hazwopper refresher training completed by plant personnel.
- i. Lubricated crane and checked fluids on Service Utility truck.
- i. Power washed Oxidation Ditch and Clarifiers.

# Lynn Lane and Haikey Creek WWTP Industrial Pretreatment Program Summary-Lauren Wilson

1. City pretreatment staff inspected the following food handling establishments (FHE):

Reviwed manifests for grease interceptor (GI) maintenance, checked interceptors, and discussed best management practices. FHE's that have interceptors full of grease have been asked to have their grease interceptor pumped immediately. Re-checks are done for FHEs with non-compliance issues.

Duffy's Highway 51-Spoke about Best Management Practices. Has shared Interceptor with Red's Pizzeria and Chilango's. Interceptor and lift station have signs of SSO. Called property manager to discuss. Said they have contacted Brooks Grease to pump both. Said that Duffy's is causing the problem, Charlie's Chicken
Sonic 51<sup>st</sup> & Aspen
Taco Bell
3 Tequilas-given 15 days to
pump GI
Sonic Kenosha
Sonic 6300 S Elm
Goldie's Patio Grill status

as seen on camera per Mullin Plumbing. Will speak with Duffy's again.-Duffy's Hwy 51-xhecked for oil recycle bin (in Place), shopping center lift station and interceptor have been pumped.

Timber Brook Donuts-needs to pump Interceptor, has let the maintenance go for so long that they have been told that it will take special measures to pump out. Sonic 51<sup>st</sup> & Aspen-GI looks good

Mexico Lindo-pumped interceptor on Jan. 4<sup>th</sup>, needs to be pumped again.

Pho 71 Thai Garden China 1

Three Tequilas-GI needs to be pumped Marco's Pizza-Owner said they do not have GI pumped, city staff checked GI, about to overflow. Manager was unaware of the GI. GI has been

identified and pumped. Manifest faxed. Schedule set for future maintenance.

Wendy's Red's Pizzeria Chilango's

Report from Main St. Daylight Donutsgot GT installed, sent GT cleaning guide, asked Owner to keep maintenance

records.

Papa John's 6323 S Elm Papa John's 904 N Elm

Braum's Aspen Stone Mill BBQ Hideaway Pizza Romeo's Espresso update-Goldie's will break ground in the next few weeks

to install GI 50's Diner Charleston's

Fajita Rita's-GI needs to be

pumped

Full Moon Cafe Fulton's Pies and Pies JK's Thai Buffet

Los Cabos

Memories of Japan Oklahoma Joe's

Ron's

Steak N Shake Lone Star Chili's Cinemark

Marriott Towne Suites

IHOP Holiday Inn Applebee's 71st Five Guys

Freddy's Frozen Custard-

needs to pump GI Olive Garden Panda Express Slim Chickens

Raising Cane's Chicken

Noodle & Co. Louie's

Cherry Berry-no interceptor

Santa Fe Cattle Co. Firehouse Subs Uncle Buck's

- 2. City staff inspected Freedom Pharmaceuticals. Non-discharge permit has been drafted to ensure no pharmaceuticals will enter the sanitary sewer system. City has asked for certification statement signed quarterly stating there has been no process/industrial discharge in the previous three-month period.
- 3. City staff gave fats, oil & grease pollution prevention presentation at the Broken Arrow Homeowner's Association Workshop on February 27, 2016.

- 4. The following reports/certifications were received and reviewed in the month of February 2016:
  - Blue Bell compliance monitoring report and laboratory analysis
  - Unifirst compliance monitoring report and laboratory analysis
  - Seneca/Murphy's Hillside Drive underground storage tank (UST) groundwater.
  - Review Seneca report for Casey's General Store UST ground and ballast water, authorize discharge.
  - Broken Arrow Powder Coating Location 2 monitoring report and laboratory analysis. Broken Arrow Powder Coating status update BAPC Location 1 to move all operations to Location 2. Will not be monitoring at Location 1 until further notice.
  - Russelectric monitoring report and laboratory analysis.
  - Paccar Winch monitoring report (Total Toxic Organics (TTO), metals, Cyanide (CN-), Oil & Grease (O&G), Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS));
     Safety Data Sheet (SDS) and Plumbing concept review
- 5. Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were issued to Unifirst as a result of lab analysis for \$1,489.14. Blue Bell surcharges were calculated at \$16,913.35, but not issued. Surcharges have been postponed per Utilities Director. Calculated bill for Seneca (Murphy's Hillside Dr.) UST groundwater disposal. 20,000 gal = \$52

# UTILITIES DISTRIBUTION/COLLECTIONS MAINTENANCE SUMMARY WATER DISTRIBUTION – Jerry Hanewinkel

- 1. Taps and Meters set 53
- 2. Responded to 75 meter leak calls
- 3. Replaced 59 meters.
- 4. Repaired or Replaced 61 meters and valve boxes
- 5. Replaced 28 Curb Stops
- 6. Repaired 7 valves
- 7. Cleaned up 9 yards
- 8. Responded to 448 Call Okie Line Locates
- 9. Repaired 1 fire hydrant
- 10. Installed 2 service crossings
- 11. Responded to 96 water system service requests
- 12. Flushed 3 lines for water quality issues
- 13. Distribution Main Leaks repaired 22
- 14. Meter leak repairs 25
- 15. Valves exercised 5
- 16. Sewer mains repaired 2

#### **SEWER COLLECTION- David Marlow**

- 1. Service requests calls 20
- 2. Sewer line blockages 8
- 3. Sewer line cleaned 2700 ft.
- 4. Sewer line replaced 8 ft.
- 5. Line locates done 63
- 6. Stand-by and night crew responded to 11 sewer calls
- 7. Clean ups done 6
- 8. CCTV 300 ft.

#### METER READING - Derriel Bynum

- 1. Replaced Meters-91
- 2. Door Hangers for bad check-58
- 3. Turn Ons for non payment-290
- 4. Turn Offs for non payment-236
- 5. New /Accounts-418
- 6. Finals-388
- 7. Pulled Meters-4
- 8. Read 37,180 Meters for the month of February 2016
- 9. Construction Meters Set-4
- 10. Rebuilt large meters-2
- 11. Talked to customers about high water bills-4
- 12. Leak Tests-169

#### <u>UTILITIES CONSTRUCTION – Tommy Kimbrough</u>

- 1. County Line Sewer Project Installed 28' of 30" SDR 35 sewer pipe to temporarily repair failed segment of sewer trunk line along County Line.
- 2. Project Vandever W/L 1607-Installed 29' of 6" C-900 PVC Water line to replace deteriorated 6" cast iron line.

#### WATER QUALITY- Diana Flora

- 1. Flushed dead end water lines (38 total)
- 2. Tested chlorine levels near auto flushers to verify all working (17 total)
- 3. Manual flush 3 auto flusher locations, currently down for repair (8445 gal.).
- 4. 14 dirty water calls, 119,090 gallons of water flushed to improve water quality.
- 5. Compiled Revised Total Coliform rule information for DEQ submission.
- 6. 100 Bac-T samples, 2 chlorine (am/pm)
- 7. Total gallons flushed to improve water quality in February was 2,244,043 gallons.
- 8. Attended DEQ Class C Water Operator class.
- 9. Wrote new RTCR sampling information for DEQ submission.

#### **VERDIGRIS WTP – Jimmy Helms**

- 1. Acid cleaned chlorine generator slave #2
- 2. VFD for flocculator #1 on pretreatment train #2 repaired and online
- 3. Fixed leak on ORP probe on neutralization tank
- 4. Had new coupling welded on chlorine contactor pipe in pre-clearwell vault
- 5. Installed grab sample lines on water softener system in chlorine generator room
- 6. Repaired light in Clean in Place area
- 7. Relocated receptacle in high service pump station to avoid potential water damage
- 8. Patched epoxy coating on pipe in pre-clearwell vault
- 9. Cleaned and calibrated all laser turbidimeters on membrane racks and combined effluent
- 10. Corrected installation of Y-strainers on clean in place circulation system and installed new gaskets
- 11. Flushed ACH feed lines going to pretreatment basin
- 12. Replaced leaking PVC lines and fittings on sodium permanganate transfer system
- 13. Installed digital totalizer and flow readout on sodium hydroxide feed system
- 14. Replaced leaking drain valve on chlorine generator slave #2

- 15. Replaced leaking PVC fittings at the chlorine injection spear
- 16. Replaced leaking fitting and gasket in LAS vault #2
- 17. Safety meeting with plant staff Slips and Trips, 2-22-16
- 18. Conducted ODEQ D and C water operator class for WTP & Utilities employees

#### **DIRECTOR'S REPORT - Anthony Daniel**

- 1. Participated with other Directors to review and revise Uniform Rental and Purchase Options.
- 2. Attended the Skaggs Tank Rehab Project monthly progress meeting.
- 3. Attended the ODEQ annual Air Quality workshop at OU Schutersman Center, Tulsa to gather information on reporting requirements for standby generators.
- 4. Attended the monthly RMUA operations group meeting at Haikey Creek WWTP.
- 5. Met with City Manager and Asst. City Manager to discuss the Utilities Dept. long term staffing needs.
- 6. Attended lunch & learn series on peroxy chemical as a disinfectant for the LLWWTP (year round disinfection).
- 7. Attended the preliminary review meeting for the 24" water line project.
- 8. Participated in the meeting set up by Engineering & Construction to discuss scope of work for the sewer force main to convey sewage from the proposed school along 209<sup>th</sup> E Ave.
- 9. Attended the special RMUA Board meeting to approve the one year extension to the service agreement with Tulsa.
- 10. Sat in on the WEF webcast on corrosion control in sewer lines.
- 11. Met with Utilities Supervisors and Managers for the weekly staff meetings (normally held on Thursday mornings).
- 12. Attended class on Competitive Bidding presented by City Attorney.
- 13. Attended meeting with Engineering & Construction and TetraTech to review draft report on secondary clarifier rehab and sludge system improvements at LLWWTP.
- 14. Participated in the 5 year CIP list review meeting with Engineering & Construction staff and Utilities staff. Refined list based on input received at the meeting.
- 15. Met with Anna White from Black & Veatch to discuss progress on the Five Year water, sewer and stormwater rate study.
- 16. Attended the workshop on sewer collection systems utilization of investigation technology and rehab techniques conducted by RJN Consultants in OKC.
- 17. Attended the OML Water Summit at Rose State College in OKC.
- 18. Participated in the Water Treatment Plant tour with engineers from Tetra Tech.
- 19. Sat in on the pump systems webinar on selection of pumps.
- 20. Attended the Economic Activity Update meeting with other Directors to review projects.
- 21. Participated as a member of the panel to select the next WWC Supervisor.
- 22. Met with Division Managers to review Proposed FY17 Budgets.

#### FUTURE PROJECT TO DO LIST:

-Repair water leak at the junction of Kenosha and Aspen in early June 2016.



To: Russell Gale, Assistant City Manager Administration

From: Lee Zirk, General Services Director

**Bill Cade, Sanitation Manager** 

CC: Michael Spurgeon, City Manager

**Date: March 17, 2016** 

Re: Options for Expiring Waste Management Landfill Contract

In July 2004, The City of Broken Arrow entered into a contract with BFI for disposal of the City's solid waste at the BFI Porter Landfill. BFI defaulted on this contract when the landfill was forced to cease operation on October 1, 2006 due to a revised interpretation of landfill regulations by the Oklahoma Department of Environmental Quality. At the time BFI Porter Landfill was forced to close, BAMA paid a tipping fee of \$11.19 per ton.

The Broken Arrow Municipal Authority entered into contract negotiations with Waste Management at the direction of the City Manager's office on November 3, 2006. Broken Arrow entered into a ten year contract with Waste Management at tipping fee of \$16.50 per ton including the state fee of \$1.25 per ton. This was the same price that the City of Tulsa paid at that time.

The contract provided for annual price adjustments based on the change in percentage of the Consumer Price Index, US City Average for all Urban Consumers, Garbage and Trash collection, as published by the United States Bureau of Labor Statistics. Currently our tipping fee is \$20.65 per ton including state fee of \$1.25 per ton. On July 1, 2016 the tipping fee will increase \$0.39 to 21.04 per ton.

The contract with Waste Management will expire November 30, 2016. There are only three locations in this area where the City can dispose the residential refuse it collects from our customers. The locations are:

- Waste Management Landfill located in Tulsa off 46<sup>th</sup> North
- Covanta Waste to Energy Plant located in West Tulsa
- American Environmental Landfill located west of Sands Springs

We now must consider what our options are in terms of refuse disposal with the soon to expire contract with Waste Management. Considering the locations of our three available disposal options, only two are close enough for us to consider, Waste Management Landfill and the Covanta Waste to Energy Plant.



In considering the two locations the following factors were considered:

- Cost
- Distance to site
- Fuel costs
- Accident exposure in getting to the site
- Travel time to the site (distance and traffic)
- Tipping fees
- Tipping wait times
- Turnpike fees
- Citizen access for Free Dump Day services
- Additional crew

The spread sheet below shows a cost comparison between using the Waste Management Landfill and using the Covanta Waste to Energy Plant.

|  |                  | Cost: Wast    | e Managemen     | t / Covanta  |
|--|------------------|---------------|-----------------|--|
|  | Waste Management | Covanta       | Cost Difference | Notes  |
| Item   |                  |               |                 |  |
| Cost (Tipping fees per ton)                    | \$21.04          | \$12.24       |                 |  |
| Annual cost at 40,000 tons                     | \$841,600        | \$489,600     | \$352,000       | Tipping fee savings using Covanta  |
| Distance to site miles (round trip)            | 64               | 20            | \$97,680        | Fuel savings @ 44 less miles/trip driven to landfill @ 4440 trips/yr @ 4 mi/gal @ $$2.00$ /gal fuel cost |
| Turnpike fees                                  | \$14,000         | \$700         | \$13,300        | Turnpike savings @95%  |
| Dirt & Concrete disposal                       | 0                | \$21,040      | -\$21,040       | Contract for items not taken at Covanta/overflow @ 1000 tons/year  |
| Free dump day fees                             | \$20,000         | \$25,000      | -\$5,000        | Contract for free dump day   |
| Add crew                                       | 0                | \$166,500     | -\$166,500      | Cost of added crew for addition travel and wait times @ Covanta  |
| Add truck                                      | 0                | \$25,700      | -\$25,700       | Annualized cost of added truck (7 year replacement sched)  |
| Accident exposure in getting to the site       | 20%              | 60%           |                 |  |
| Travel time to the site (distance and traffic) | 32 minutes       | 20-45 minutes |                 |  |
| Tipping wait times                             | 5 min            | 10-30 minutes |                 |  |
| Citizen access for Free Dump days              | Yes              | No            |                 |  |
|  |                  |               | \$244,740       | Total annual savings if using Covanta  |

Even though the Covanta plant is closer to Broken Arrow in terms of miles, travel time and tipping wait times are increased because of Tulsa traffic and plant tipping floor space. For this reason, an additional crew was factored in to make up for extra time needed when using the plant. Adding a crew is challenging, in that finding enough drivers and back up drivers for our existing routes continues to be difficult. An additional item to consider is the real possibility that we may experience more days throughout the year in which routes don't get completed due to longer drive and wait times at the plant. When this occurs, (currently 2-4 times a year) routes



pick up where they left off the next day, causing a delay in the start of the next business day's routes.

We estimate that even when adding an additional crew to make up for additional travel/wait times, and having separate contracts for Waste Management to accommodate Free Dump days and for dirt and concrete disposal, we will still save \$244,740 annually.

Based on these criteria, the Covanta Waste to Energy Plant is recommended as the best alternative for the City of Broken Arrow when the contract with Waste Management expires.

Upon your approval, I will notify Waste Management of our intent to not renew our existing contract and work with them to establish new contracts for dirt/concrete and free dump days. Additionally, I will begin the process to obtain a contract with Covanta under Tulsa's contract terms (as approved by City Legal Dept.) and prepare all items for Council consideration.

|     |  | . CORRESPONDENCE / N |                       |
|-----|--|----------------------|-----------------------|
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#### PRESS RELEASE

Contact: Krista Flasch Director of Communications City of Broken Arrow Phone: (918) 259-2400, ext. 5309

Mobile: (918) 409-7771

#### Redesigned Website to Launch Thursday, March 31

Visitors to www.BrokenArrowOK.gov will see a redesigned City of Broken Arrow website starting Thursday, March 31.

The redesigned website features larger, easier to read navigation links. It will also be easier to view content from a smartphone or tablet device, thanks to a mobile responsive design.

Information from the current website, including forms and other documents, will still be available on the new website; along with online payments, job applications, meeting agendas, videos and more.

#### Additional new features include:

- Help Center section
- Graphic icons for most popular pages
- Prominent search box
- Image driven News section
- Larger, easier to read menu
- Modern, updated look

#### **Sign Up to Receive News and Service Alerts**

Stay up to date with the latest news and happenings in Broken Arrow by receiving emails and text alerts straight to your phone or computer. Information includes but is not limited to road closures, press releases, holiday notices, bid postings, community events and more.

Visit http://www.brokenarrowok.gov/list.aspx to subscribe today.

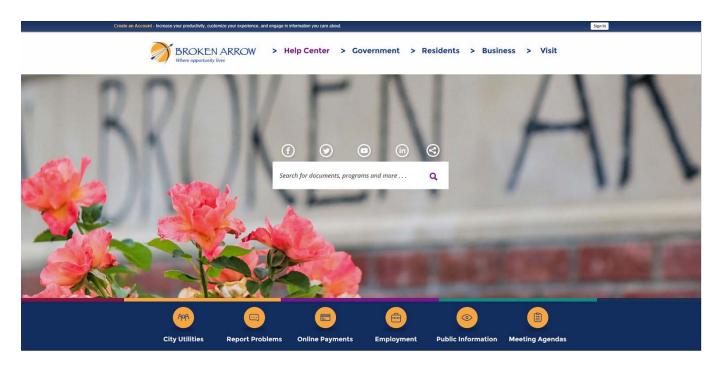
If you have any questions about the redesigned website, contact the Communications Department at 918-259-8397 or webmaster@brokenarrowok.gov.

(Continued)

www.brokenarrowok.gov 4/1/2016



#### PRESS RELEASE



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www.brokenarrowok.gov 4/1/2016



#### FOR IMMEDIATE RELEASE

GolfBoards.

March 25, 2015

MEDIA CONTACT: DEE ROADMAN

(918) 355-4850 | DRoadman@BattleCreekGolf.net

## GOLFBOARDS TO SURF THE EARTH ON THE FAIRWAYS OF BATTLE CREEK GOLF CLUB

Broken Arrow, OK - Greenway Golf, operator of Battle Creek Golf Club, is very pleased to announce the arrival of the GolfBoard – An all-new way to enjoy the game of golf.

Battle Creek Golf Club is the first and only golf facility in Tulsa and Northeast Oklahoma to offer

Named the 'Best New Product for Golf' at the PGA Merchandise Show in Orlando, Florida, GolfBoard is safe, fun, and easy for everyone to learn. Your golf game will never be the same after you play a round using the GolfBoard! All it takes is a few minutes of training before you head out. By the time you putt out on #1, you will fully have the hang of it!

"Greenway Golf's company mission at Battle Creek has always been about delivering fun for players and guests"; stated Ken Campbell, company COO. "To many, driving a golf cart is one of the most fun things about golf, now with the GolfBoard it takes riding to another level of fun with an exciting interactive experience. And, you also get some fitness, working your core muscles and legs as you steer the GolfBoard similar to surfing or skateboarding. We have a saying around the course for players that "The Most Fun Wins"... And, the new GolfBoard is the most fun new product I have seen in many years and is just simply cool."

If you feel you're ready to give GolfBoarding a try or to view videos, visit BattleCreekGolf.net and select GolfBoard info or contact Battle Creek pro shop at 918-355-4850.

**About Battle Creek Golf Club** - Owned by the City of Broken Arrow and operated by Greenway Golf, Battle Creek Golf Club offers one of the regions most fun public golf courses. Battle Creek features 18-holes of golf, a bar and grill and event center. The Club's Ambassador of Fun team mission is "To Know, Love & Deliver Fun for All". To view GolfBoard video and to learn more, visit online at www.BattleCreekGolf.net or call 918-355-4850.

**About GolfBoard -** The GolfBoard has its roots in surfing and snowboarding. Built specifically for golf from the ground up, the GolfBoard is a four-wheel-drive, gear-driven, posi-traction golf transport vehicle. The user is always in full control of both the speed and direction of the board. The integrated thumb throttle controls the speed of the GolfBoard, while the user controls the direction through body movement. It is as intuitive to operate, as it is fun to ride. Its time to Surf the Earth on the GolfBoard. Learn more at GolfBoard.com.



