



**2014**

**CITY OF  
MULVANE**

**ANNUAL REPORT**

**2014  
YEAR END REPORT**

**CITY OF MULVANE  
ADMINISTRATION DEPARTMENT**

Kent Hixson, City Administrator  
Patty Gerwick, City Clerk  
Sharon Phipps, Accts. Payable Clerk/City Treasurer  
Cathy Walker, Budget/Accounting Clerk  
Ray Fleming, Building & Zoning Administrator  
Debbie Parker, Utility Billing Clerk  
Breuana Walker, Customer Service/Assistant Court Clerk/Licensing Clerk  
Debbie Plew, Court Clerk  
Jeri Myers, Senior Citizens Director

2014 ANNUAL REPORT  
Administration Department

**Goal of the Department**

The goal for the Administration Department is to provide our customers (citizens, vendors and other department personnel) with the best possible service in the most efficient and timely manner.

**Status of the Department**

In January 2014 we started the remodeling process for City Hall. A new pitched roof was installed that will hopefully eliminate the leaky flat roof and the HVAC system was replaced. New carpeting and tile flooring was installed through out the whole upstairs portion of the building. The bathrooms were completely remodeled as well as the Council Chambers and Conference Room. A chair lift was installed in the conference room to provide handicap access to the Council bench. New entry doors were installed in both lobbies to meet ADA requirements. The front counter and drive-up window areas were both remodeled and new equipment installed. It was a much needed facelift to our facility and we certainly have a facility that we can be very proud of.

Staff worked approximately 18,036 hours in 2014. Overtime hours worked in 2014 were minimal, 22 hours total of which 16 hours were for Municipal Court. Sick leave used in 2014 was down compared to 2013. A total of 339 hours was used as compared to 979 hours in 2013. The nine employees in our department have a combined total of 170 years of experience. They range individually from 33 years of service to 3 years of service.

Human Resources continues to be very active. We hired 59 new employees in 2014, 16 full-time and 43 part-time/seasonal. I prepared a total of 151 W-2's to distribute for 2014. We had 10 full-time employees leave in 2014.

In 2014 I attended the annual City Clerk's Spring Conference and the fall Clerk's Academy, both in Wichita. This allows me to keep up to date on legislative changes that affect the City as well as keeping current with my Master Municipal Clerk Certification.

The Administration staff has compiled the following statistical reports to reflect the duties and responsibilities of each individual in the department. I hope this will be helpful reference material for you when visiting with the citizens. If there is any other statistical information you would like please let me know and we will try to provide that for you.

As always, thank you for your continued support.

Patty Gerwick  
City Clerk

# FINANCIAL ANALYSIS REPORT

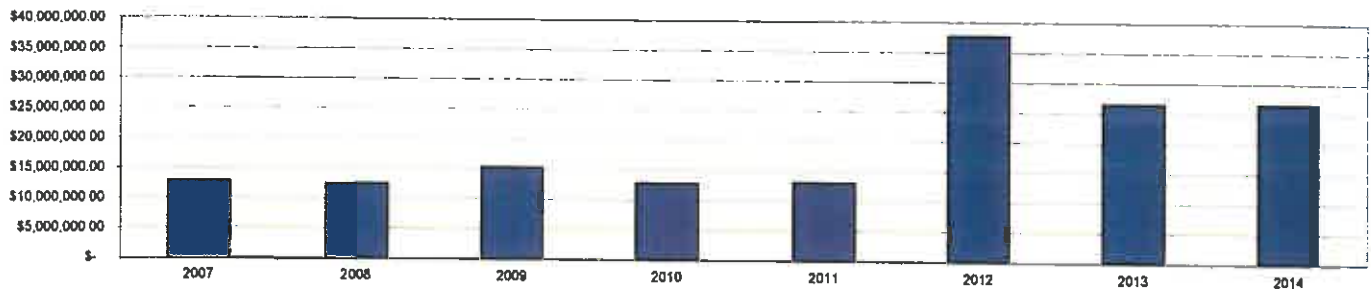
December 31, 2014

Prepared by Cathy Walker

## REVENUES

	2006	2007	2008	2009	2010	2011	2012	2013	2014
January	\$ 1,844,539.53	\$ 2,005,954.09	\$ 2,024,173.04	\$ 2,024,173.04	\$ 1,930,365.77	\$ 1,886,528.84	\$ 5,955,746.57	\$ 3,241,065.75	\$ 3,983,651.34
February	\$ 728,150.02	\$ 782,521.68	\$ 598,312.27	\$ 697,016.53	\$ 693,066.34	\$ 1,100,318.04	\$ 851,182.12	\$ 1,069,473.22	\$ 1,063,968.68
March	\$ 805,619.54	\$ 842,835.71	\$ 872,268.29	\$ 877,866.37	\$ 991,922.52	\$ 873,388.00	\$ 15,601,520.06	\$ 958,264.57	\$ 1,199,008.11
April	\$ 715,181.86	\$ 713,966.81	\$ 710,931.24	\$ 3,806,167.02	\$ 761,557.59	\$ 784,105.51	\$ 887,780.40	\$ 1,012,568.62	\$ 1,152,845.89
May	\$ 1,229,620.01	\$ 987,807.88	\$ 679,683.00	\$ 740,008.06	\$ 715,219.45	\$ 732,112.37	\$ 910,410.03	\$ 945,365.11	\$ 1,056,518.08
June	\$ 1,660,426.11	\$ 1,656,084.24	\$ 1,674,495.38	\$ 1,685,795.10	\$ 1,779,688.15	\$ 1,709,241.06	\$ 1,945,705.35	\$ 3,104,440.63	\$ 4,032,305.19
July	\$ 1,214,755.46	\$ 884,163.58	\$ 1,017,425.36	\$ 1,006,374.77	\$ 987,876.62	\$ 1,361,080.19	\$ 1,086,239.60	\$ 1,410,052.24	\$ 1,277,172.98
August	\$ 3,789,445.72	\$ 956,395.63	\$ 1,085,133.61	\$ 834,421.02	\$ 1,054,873.61	\$ 1,091,967.78	\$ 1,285,156.94	\$ 1,091,924.44	\$ 1,340,720.79
September	\$ 1,170,281.66	\$ 1,250,216.54	\$ 1,039,257.99	\$ 1,426,257.30	\$ 1,134,616.29	\$ 1,180,211.07	\$ 1,215,378.77	\$ 1,245,782.66	\$ 3,597,522.56
October	\$ 837,710.12	\$ 773,747.66	\$ 1,518,544.38	\$ 744,506.38	\$ 1,179,213.18	\$ 874,231.05	\$ 990,499.04	\$ 1,170,065.48	\$ 5,525,421.26
November	\$ 659,792.66	\$ 711,793.74	\$ 597,213.26	\$ 849,909.63	\$ 697,878.23	\$ 701,930.97	\$ 5,711,957.40	\$ 9,301,958.41	\$ 940,590.78
December	\$ 891,683.31	\$ 1,374,154.23	\$ 784,852.36	\$ 836,066.49	\$ 993,313.69	\$ 869,720.01	\$ 1,409,648.12	\$ 2,046,929.40	\$ 1,514,591.70
	\$ 15,647,206.00	\$ 12,938,641.79	\$ 12,602,090.18	\$ 15,328,561.71	\$ 12,919,391.44	\$ 13,184,834.89	\$ 37,851,224.40	\$ 26,587,890.53	\$ 26,684,317.36

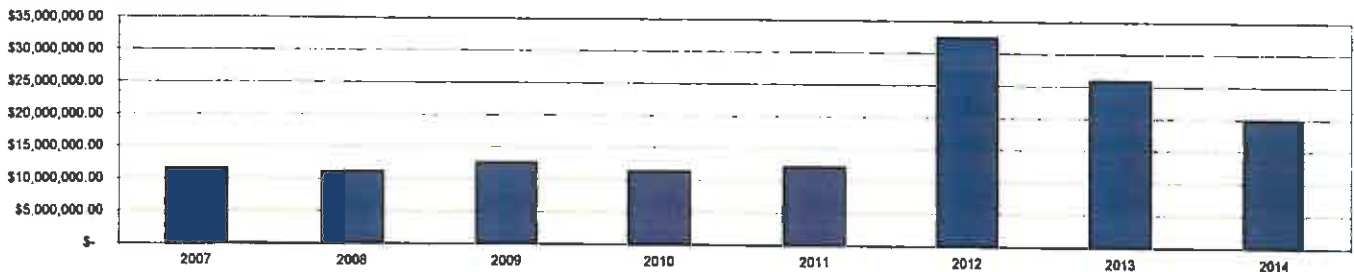
## YTD REVENUES



## EXPENSES

	2006	2007	2008	2009	2010	2011	2012	2013	2014
January	\$ 809,112.20	\$ 715,403.12	\$ 670,804.44	\$ 1,006,845.40	\$ 1,021,369.49	\$ 877,546.16	\$ 944,074.53	\$ 970,544.77	\$ 1,450,187.71
February	\$ 908,220.49	\$ 810,667.77	\$ 878,209.41	\$ 805,976.24	\$ 716,674.25	\$ 763,710.78	\$ 755,424.41	\$ 884,856.48	\$ 1,182,326.61
March	\$ 700,831.78	\$ 897,056.43	\$ 831,932.00	\$ 886,776.82	\$ 1,024,443.14	\$ 744,061.82	\$ 15,501,592.32	\$ 1,808,567.72	\$ 1,537,377.60
April	\$ 787,295.85	\$ 653,105.79	\$ 669,548.43	\$ 1,933,281.16	\$ 671,894.75	\$ 1,032,131.12	\$ 4,638,530.43	\$ 2,201,035.48	\$ 1,684,804.93
May	\$ 1,117,985.35	\$ 742,908.27	\$ 692,487.06	\$ 903,355.46	\$ 861,220.21	\$ 695,744.94	\$ 1,051,442.78	\$ 1,154,545.55	\$ 1,282,378.90
June	\$ 1,109,183.37	\$ 804,267.63	\$ 817,003.89	\$ 715,481.13	\$ 814,153.40	\$ 702,603.69	\$ 1,327,242.64	\$ 1,115,878.43	\$ 1,178,827.56
July	\$ 1,525,809.92	\$ 854,303.31	\$ 1,720,997.60	\$ 1,714,234.73	\$ 1,715,499.62	\$ 2,666,252.07	\$ 2,005,786.32	\$ 2,063,145.18	\$ 1,906,151.70
August	\$ 1,067,562.86	\$ 1,785,388.12	\$ 1,126,447.76	\$ 937,372.33	\$ 935,862.81	\$ 1,064,729.22	\$ 701,616.82	\$ 9,281,799.58	\$ 2,714,313.79
September	\$ 3,447,378.48	\$ 868,130.73	\$ 793,079.78	\$ 1,349,344.73	\$ 946,669.63	\$ 1,040,336.30	\$ 838,515.85	\$ 1,261,155.87	\$ 3,577,518.81
October	\$ 647,344.37	\$ 939,536.47	\$ 1,527,886.09	\$ 765,439.83	\$ 692,863.01	\$ 693,172.45	\$ 1,344,364.55	\$ 2,367,266.41	\$ 1,320,636.76
November	\$ 612,627.16	\$ 748,048.42	\$ 532,207.12	\$ 625,731.83	\$ 794,527.02	\$ 728,691.78	\$ 1,976,040.34	\$ 1,551,837.79	\$ 1,161,672.83
December	\$ 1,065,504.01	\$ 1,823,077.15	\$ 917,647.58	\$ 1,001,170.43	\$ 1,174,778.24	\$ 1,169,628.64	\$ 1,386,902.18	\$ 1,254,031.05	\$ 983,358.04
	\$ 13,788,855.84	\$ 11,641,893.21	\$ 11,178,251.16	\$ 12,645,009.89	\$ 11,389,975.57	\$ 12,178,808.97	\$ 32,471,633.17	\$ 25,916,677.31	\$ 19,979,565.24

## YTD EXPENSES



2014  
PLANNING, ZONING AND CONSTRUCTION ACTIVITY  
REPORT



The following report is a compilation of the information from 2014 of the Planning Commission, BZA and the construction activity, including permits for new construction and remodeling activity.

In 2014 the Planning Commission met a total of 13 times.

**PLATS, LOT SPLITS, AND VACATIONS:**

In 2014 the Planning Commission considered 3 plats , all were inside the city limits. Plats that were reviewed were ,USD 263 5<sup>th</sup> Addition, USD 263th Addition, and the Mulvane Library Addition which has not been accepted by the Council at this writing.

**ANNEXATIONS:**

In 2014 the City annexed one tract of ground about 2 acres in size. It was located on 111<sup>th</sup> Street.

**ZONING AND SPECIAL USE CASES**

**Rezoning Applications:**

In 2014 one special use application was processed which involved the Library property.

**Zoning Regulations update:**

In 2014 the Planning Commission finalized the updates to the Zoning Regulations. The Regulations had last been updated in 2009.

**Site Plans:**

The Commission reviewed three site plans in 2014. They were

1. Storage building on Second Street
2. The Library on Second
3. USD 263 property on Westview

**BZA ACTIVITY:** The Board of Zoning Appeals considered one application in 2014. The application was a variance to reduce the setback on an accessory storage building. No conditional uses were considered by the BZA in 2014.

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## **2014 CONSTRUCTION ACTIVITY**



*The following is a compilation of activity for permits compared to the years issued since 1990. Unless otherwise mentioned. All information isn't available before that year. The charts include information from the previous ten years.*

## **OVERALL CONSTRUCTION VALUATION AND PERMIT NUMBERS**

In 2014 51 building permits were issued. That number is up from 39 permits issued in 2013. This is down however from the average of 72 permits per year. This number includes all construction activity, commercial, residential, additions, remodel and new construction.

The 2014 total permit valuation of 13.6 million dollars reflects an increase from the 10.4 million dollar average per year valuation. This number is based upon the yearly valuation data on permits issued since 1990.

The past three years permit activity has been unusual because we have issued several large commercial permits causing the valuation to be higher. The 2014 valuations include the water treatment facility and the construction work at the casino including the pavilion, maintenance building and the addition of the event center.

## SINGLE FAMILY DWELLINGS

2014 was a better year for single family residential construction in which 10 permits were issued, compared to 6 permits in 2013. It is down from the average since 1990 of 28 dwellings per year. The average valuation of the permits issued for single family dwellings was \$144,500.00.

At the present time there are less than 20 residential lots available in the city limits that have all of the infrastructure installed and ready to build on. The majority of the lots are in the Cedar Brook Addition.

## KANSAS STAR CASINO

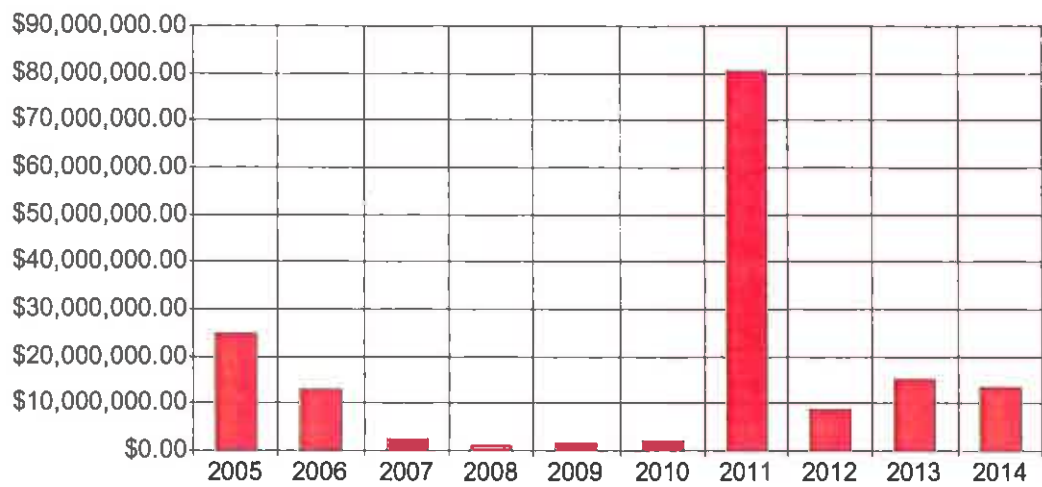
The Kansas Star Casino, Hotel Event Center, project has been completed. All phases of the project have been finished that were required by their contract with the State. The second phase of the hotel was completed along with the pavilion, maintenance building, and an addition to the original arena which they are calling the event center, in 2014.

Submitted for your information:

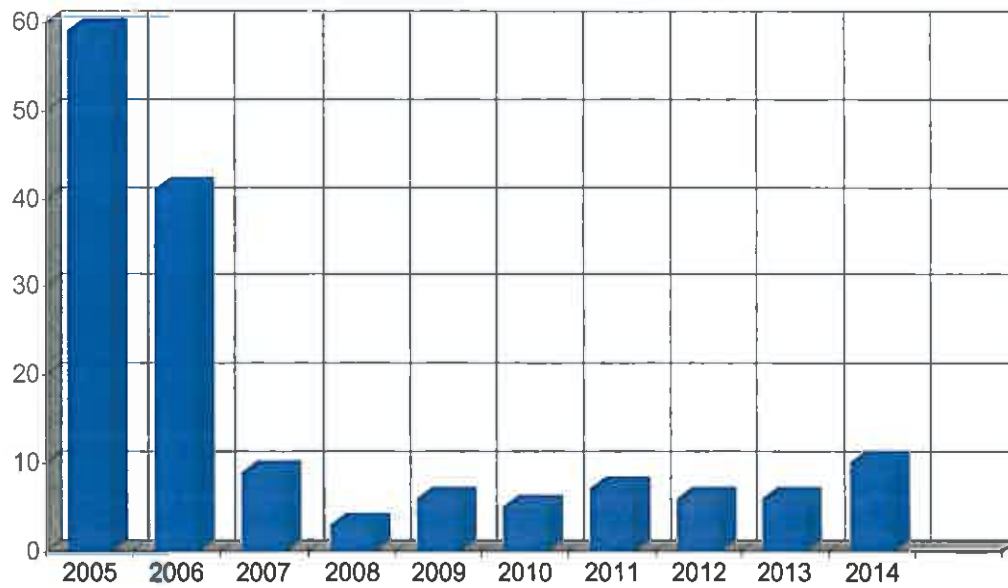
Raymond Fleming  
Building & Zoning Administrator



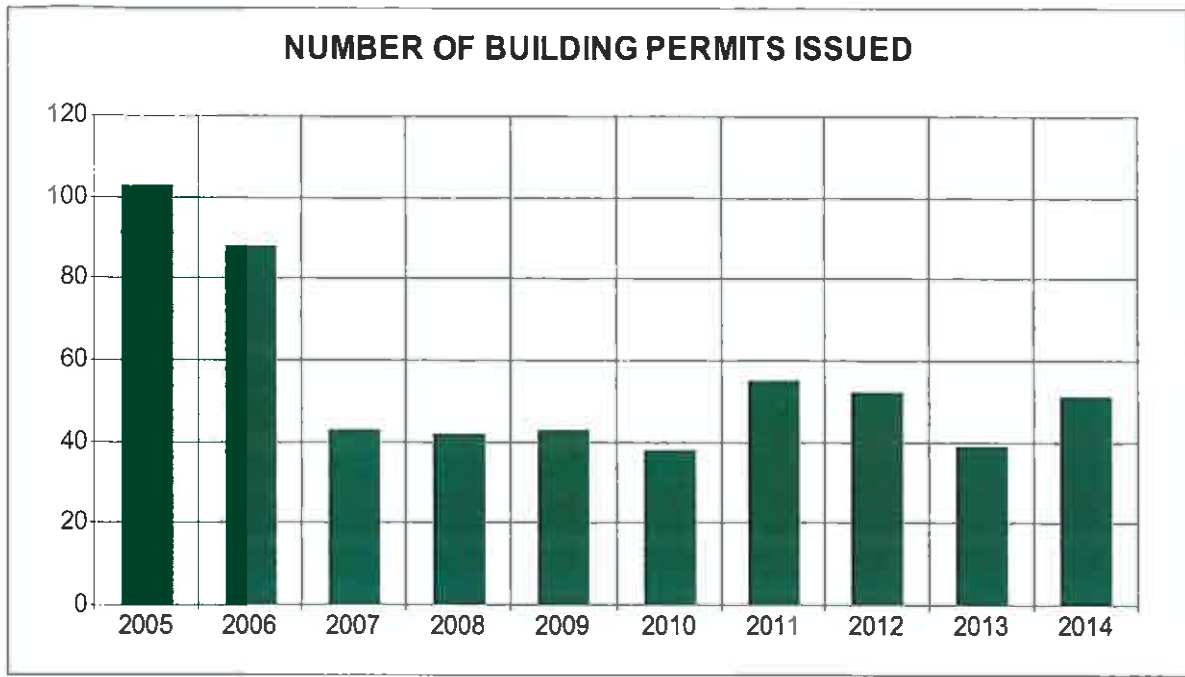
### PERMIT VALUATION PER YEAR



### SINGLE FAMILY PERMITS







# City of Mulvane

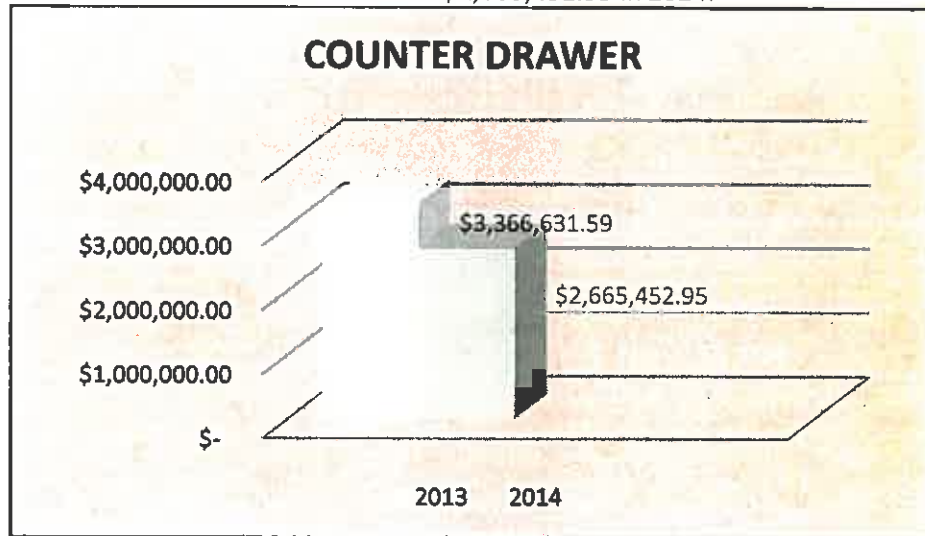
## Annual Report

### 2014

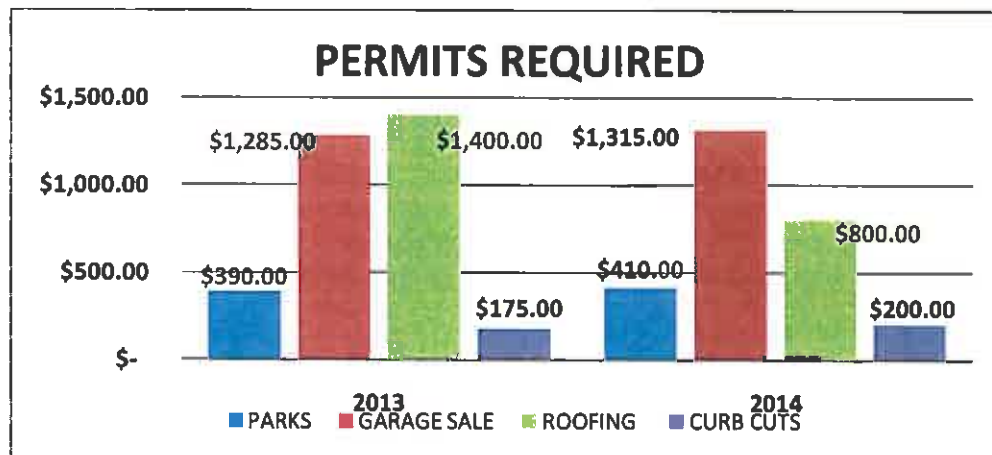
Breuana Walker

The revenues collected in the counter drawer have decreased due to many customers utilizing other methods of payment. Many are now using ACH which automatically withdraws their payment on the due date. Another method they are using is paying their bills online with a credit/debit card.

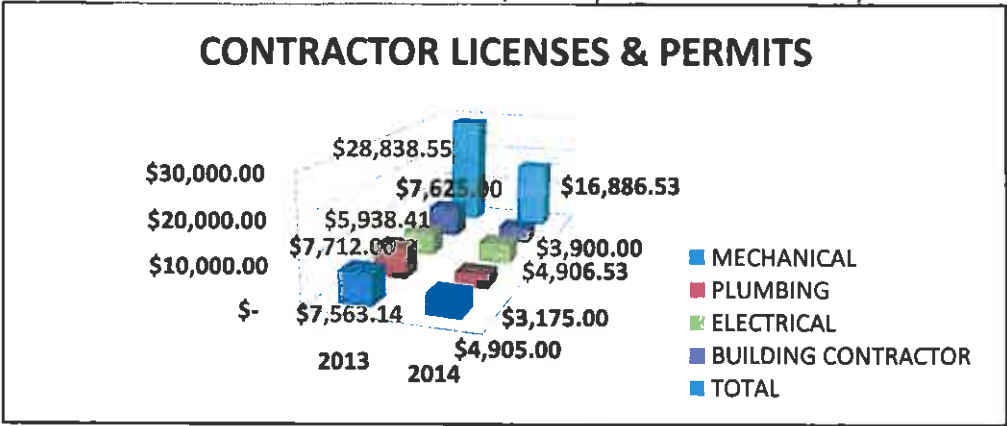
The counter drawer collected \$2,665,452.95 in 2014.



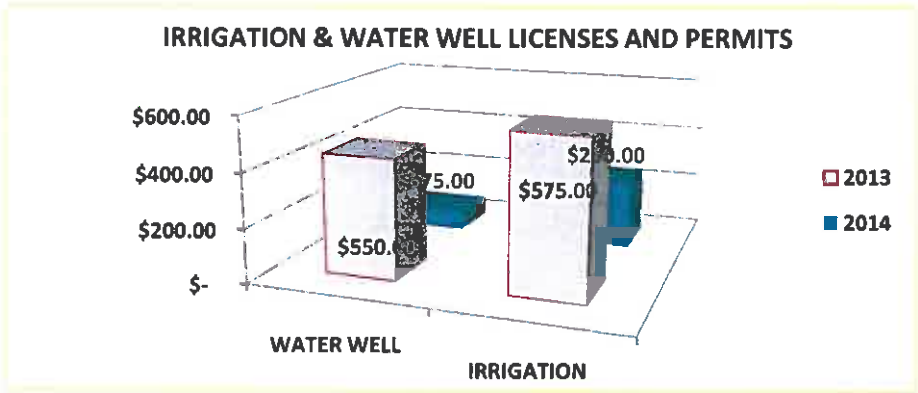
The following graph represents the various permits the city collects and the revenues for 2013 and 2014.



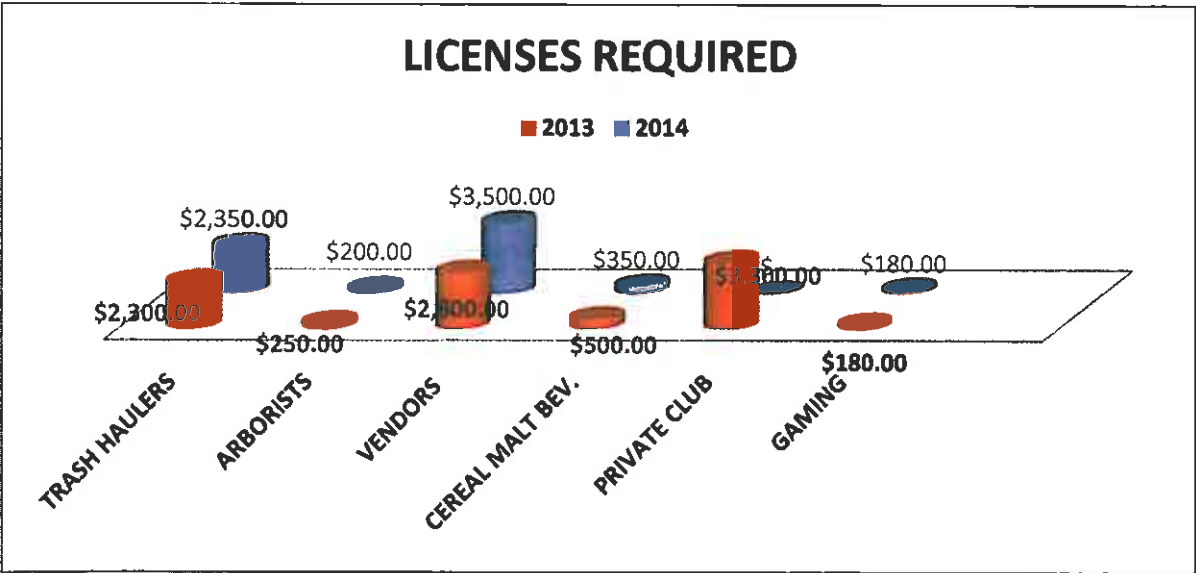
The graph below represents various miscellaneous license required by ordinances in the City of Mulvane.



The City of Mulvane requires that all Water Well Contractors and Irrigation Contractors be licensed in the city; the fee is \$75.00 for both contractors. Permits for Irrigation are \$35.00 and a Water Well Permit is \$25.00.



The following graph represents the various licenses required by the city prior to do work. This graph represents the revenues for the 2013 and 2014 years for those licenses.

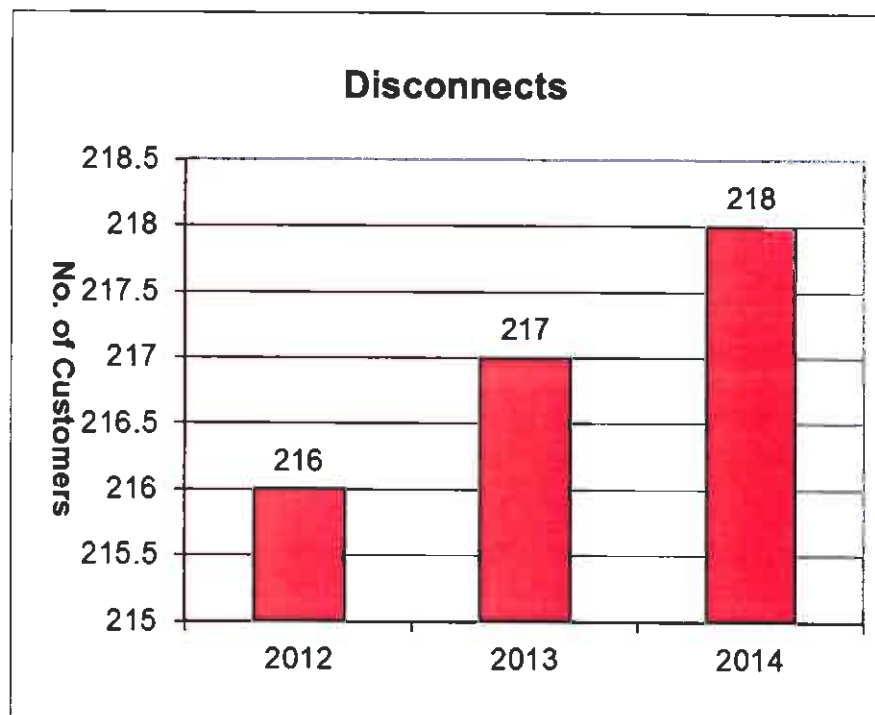


## **FUN FACTS FOR 2014**

### **DEBBIE PARKER/UTILITY BILLING**

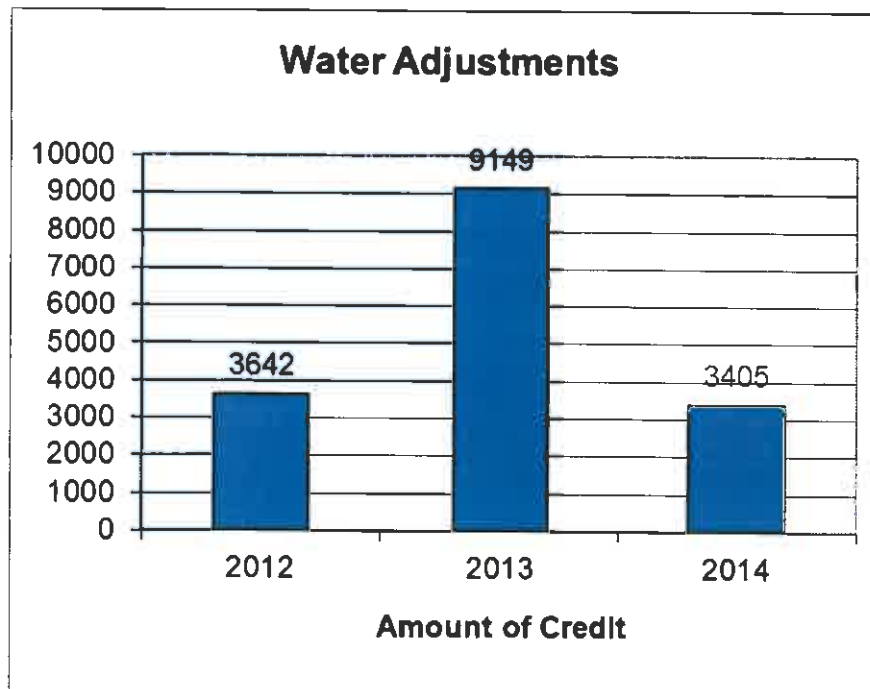
- The amount of cash balanced to in the drive-thru window drawer was \$4,205,358.93. We began offering online payments to customers in August 2010.
- There were 34 high water usage letters mailed out in 2014. This is an increase of 13 from last year. If we notice a customer has excessive water usage, we will send out for a re-read. Once it is determined the customer may have a possible leak we will notify them by letter. We are not required to notify the customer, but do this as a courtesy for the customer so any problems can be corrected promptly. We do not notify customers with increased water usage due to irrigating.
- There were 146 miscellaneous utility letters mailed to customers regarding difficulty or inability to read the meter, etc. This is an increase of 25 from last year. We will notify the customer one time. If the problem still exists the next month, the meter will be estimated. Estimations increase until the problem has been taken care of or a reading is obtained. We hope to educate the public on the importance of having safe access to the meters. This is important in case of an emergency situation such as a fire, as well as a safety issue with dogs. We have also begun letting the customer call in, or e-mail the reading to us. This has worked very well. We double check these meters once a year for accuracy and to check for potential problems with the meter. We have also begun to send letters out making sure accounts are opened in the proper account holder's name.
- Total estimated meters for the 2014 billing were 302. Readings provided by the customer totaled 609. We also changed 29 water meters and 40 electric meters in 2014.
- Annual interest paid to customers for their utility deposit on the December billing was \$211.41. This is a decrease of \$86.89 from last year. The interest rate paid on deposits for 2014 was .13%. This is a decrease from .18% paid in 2013. K.S.A. 12-822 requires a Kansas utility to pay interest on security deposits. The Kansas Corporation Commission establishes the rate on an annual basis.
- Utility write-offs in 2014 for the 2010 unpaid utility finals totaled \$6,279.55. This is a decrease of \$380.07 from the 2009 finals written off the year before. The State Setoff Program has helped in collecting our final bills, and has kept our amount of utility write-offs down.
- Ninety six (96) customers applied for their deposit refund in 2014

- totaling \$9,238.50 (including interest). Customers may request their deposit back once they have paid their bill on time for 12 consecutive months. (This means payments would need to be received on or before the 5<sup>th</sup> due date.)
- We submitted 73 unpaid utility accounts to the State Setoff Program in 2014 in the amount of \$23,493.89. Total payments received totaled \$10,112.20 while commission paid was \$1,875.69. This made a net recovery of \$8,236.51. The net recovery increased by \$1,288.29 from last year.
- We had 218 customers disconnected in 2014 for non-payment of their utility bill. This is an increase of 1 customer from last year. Forty five (45) of these customers were required to pay additional deposits totaling \$6,700.00. This is a decrease of 2 customers from last year. We discontinued payment arrangements in October 2010. We did have two disconnects a month (One on the 20<sup>th</sup> and one on the 2<sup>nd</sup> for the arrangements). We now only have one disconnect a month. Our additional deposit policy was changed from the highest utility bill in the previous 12 month period to the highest residential deposit currently being charged. We also have a cap of \$1,200.00 on residential deposits.



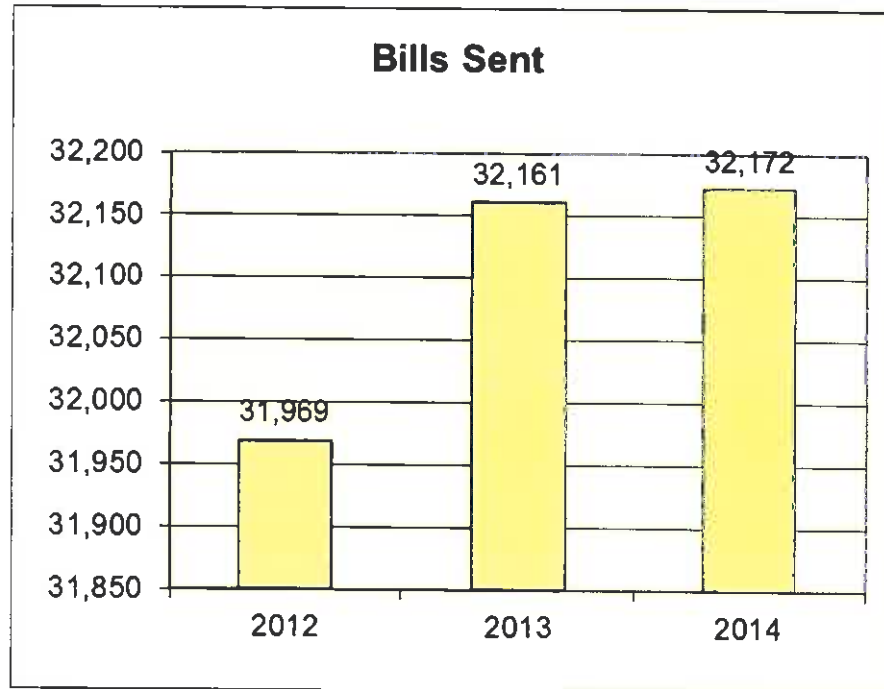
- In June of 2010 we began charging an administrative fee of \$30.00 plus tax, to the customer's account if they did not have their bill paid by 8:00 am on the day of cut-off. Total administrative fees charged in 2014 were \$15,264.74. This is an increase of \$45.16 from last year.

- We currently have 405 ACH collection customers. This service is offered to our customers to automatically draft their checking or savings account for the utility payment. This is an increase of 28 accounts from last year. I hope to promote this feature more. It has worked out very well for us, and is a big time saver. Customers can sign up for this at any time. This is a free service.
- We currently have 47 security lights for customers.
- Total turn-ons in 2014 were 565. This is an increase of 13 from last year.
- Total read-outs in 2014 were 531. This is an increase of 6 from last year.
- We gave 28 customers water/sewer adjustments in 2014. Total credit given was \$3,405.04. This is a decrease of 1 customer and a decrease of \$5,744.37 in credits from 2013.



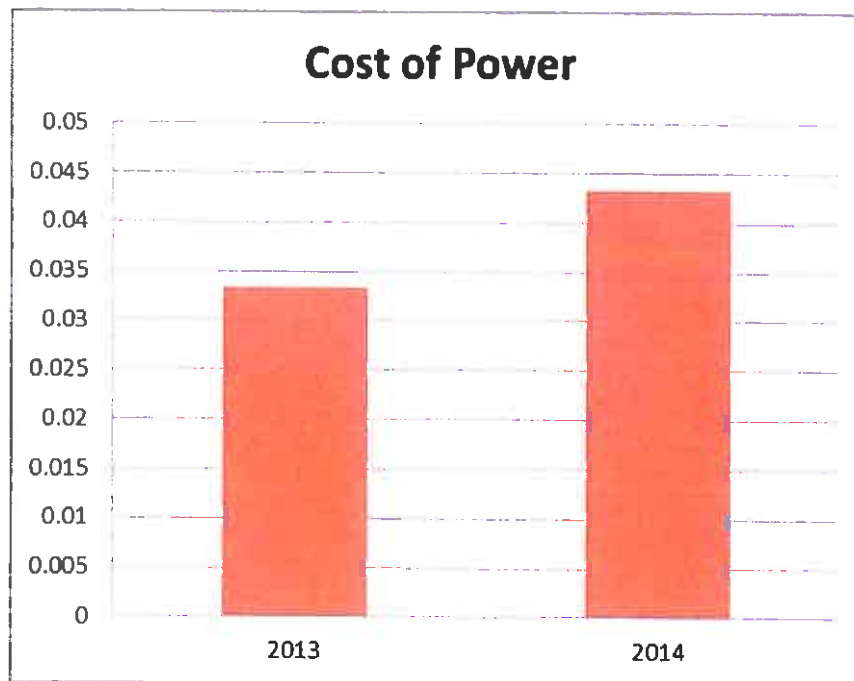
- We discontinued making arrangements effective October 1, 2010. We have really not seen an increase in disconnects on the 20<sup>th</sup> due to discontinuing the arrangements. Actually several of the arrangement customers have begun to pay their bill on time. Discontinuing the arrangements should also help with the amount of unpaid balances left by the customers when they skip out, since they would have 10 less days of usage on their bills. We had 30 hearing requests submitted in 2014. Customers can apply for one request per calendar year.

- Effective October 2010 we no longer accepted utility arrangements. We had a request to accept utility arrangements from Charity organizations. We made 50 good faith utility arrangements from charitable organizations in 2014.
- The total number of bills mailed in 2014 was 32,172. This is an increase of 11 bills from last year.



- The total consumptions, for service in 2014 are as follows:
  - Water – 180,667,000 gallons – an increase of 625,000 gallons.
  - Electric – 38,336,675 kwh sold – an increase of 194,232 kwh.
  - Total billing - \$7,186,627.72 - -an increase of \$222,712.67 from last year.
  - Watering restrictions were lifted in November 2013.
- The average cost of power for 2014 was: .043304. This is an increase of .009986 from the average COP last year.





- We currently have 292 addresses with automatic turn-ons for landlords. We have had problems with landlords with automatic turn-ons, selling their property and not notifying us. When a bill is issued they advise the property is sold and do not pay the bill. All landlords were notified in 2007 advising if property is sold they must notify City Hall and cancel their automatic turn-on. This is a program we offer as a courtesy to our landlords. It will be discontinued if we continue to have problems. We have dropped some landlords and Mortgage Companies from the auto turn-on program due to non-payment of the utility bill. These customers are now required to put up a utility deposit before service is turned on.
- We currently have 15 electric meters red tagged due to medical hardship.
- We currently have 102 customers on level billing. Customers may sign up for this program any time, provided they have a good payment history, and have lived at the same location for the previous 12 months.

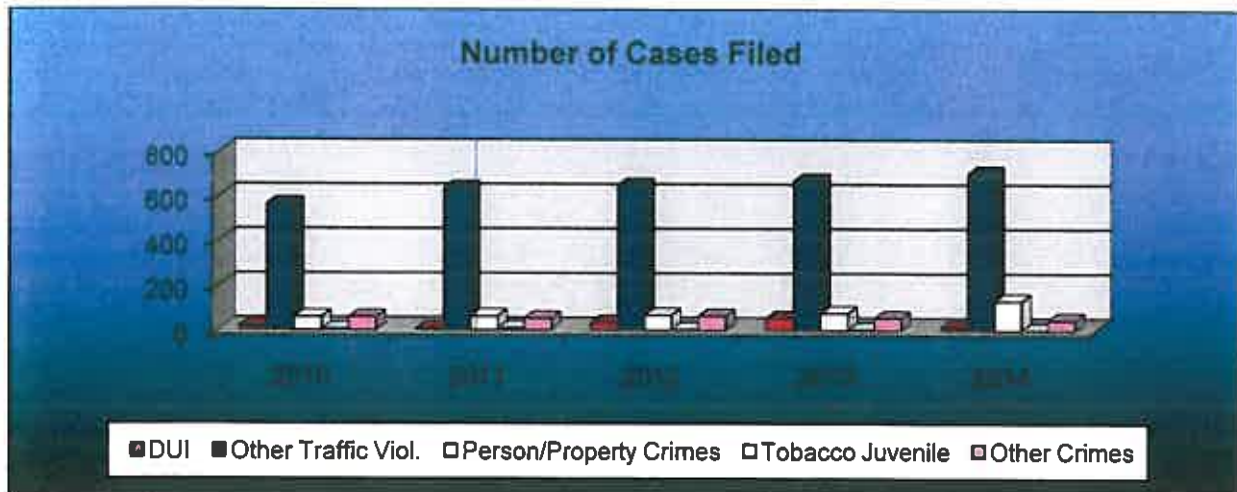
**MULVANE MUNICIPAL COURT  
YEAR END REPORT  
2014**

Municipal Judge: Duane Brown  
 City Prosecutor: Larry Linn  
 Court Clerk: Debbie Plew, Court Clerk  
 Breuana Walker, Assistant Clerk  
 Probation Office: Chris Davis

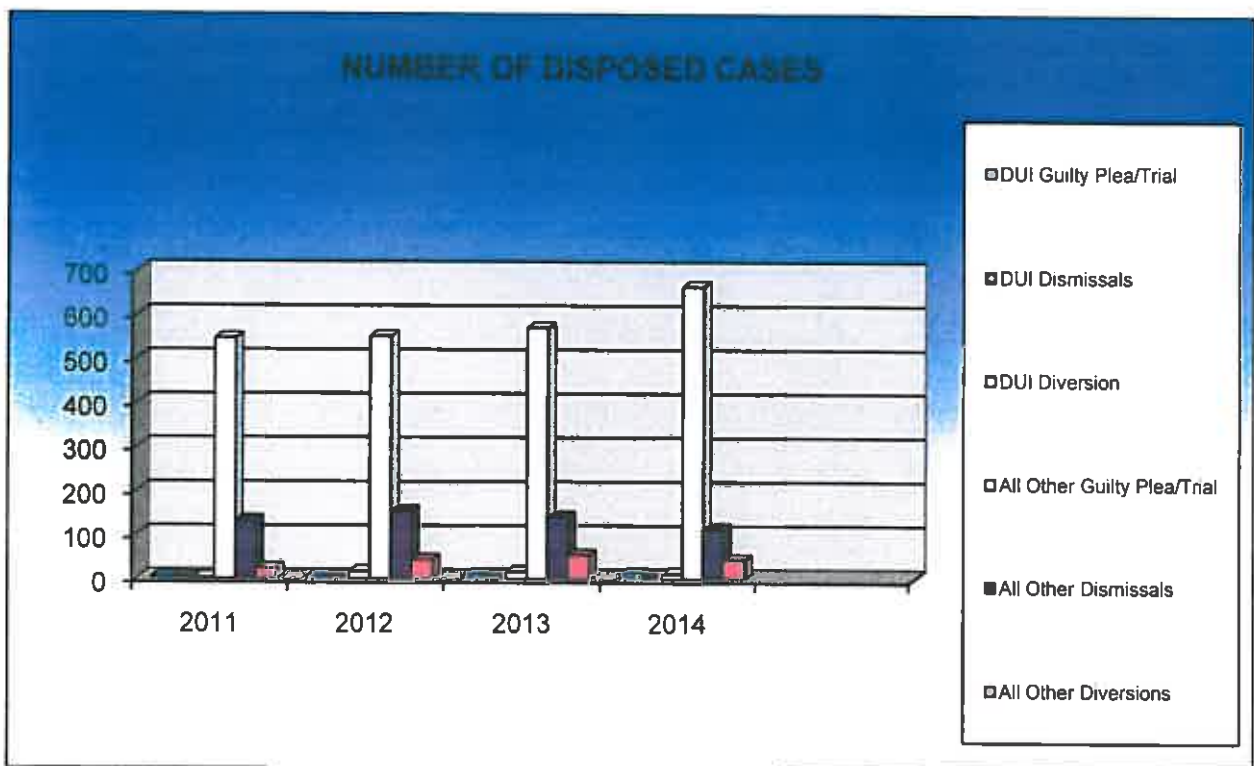
The Mulvane Municipal Court held 35 sessions in 2014.

Below is an overview of the type and number of cases filed during the year and the number of cases disposed of during the year.

Number of Cases Filed	2010	2011	2012	2013	2014
Reckless Driving	1	1	2	0	0
Driving Under the Influence	16	9	34	53	13
Flee Police Officer	0	1	1	1	0
Other traffic violations, excluding parking	565	636	649	671	705
Crimes against persons	52	60	66	46	70
Crimes against property	6	1	7	30	61
Cigarette & tobacco infractions	2	8	2	2	0
Other Crimes	58	51	62	45	46
<b>Total Number of Cases Filed During Year</b>	<b>845</b>	<b>700</b>	<b>767</b>	<b>823</b>	<b>895</b>



Number of Cases Disposed of During the Year	2010	2011	2012	2013	2014
DUI, Guilty Plea	8	4	7	10	12
DUI, Bond Forfeitures	0	0	0	0	0
DUI, Dismissals	4	3	4	4	5
DUI, Trials (on pleas of not guilty)	1	1	0	1	0
DUI Diversion Agreements	6	2	17	16	12
Other Cases, Guilty Pleas	553	547	552	571	665
Other Cases, Bond Forfeitures	0	0	0	1	7
Other Cases, Dismissals	115	132	154	141	114
Other Cases, Trials (on pleas of not guilty)	9	1	7	1	3
Other Cases, Diversion	19	23	43	54	44
Total Cases Disposed of During the Year	717	713	784	799	833

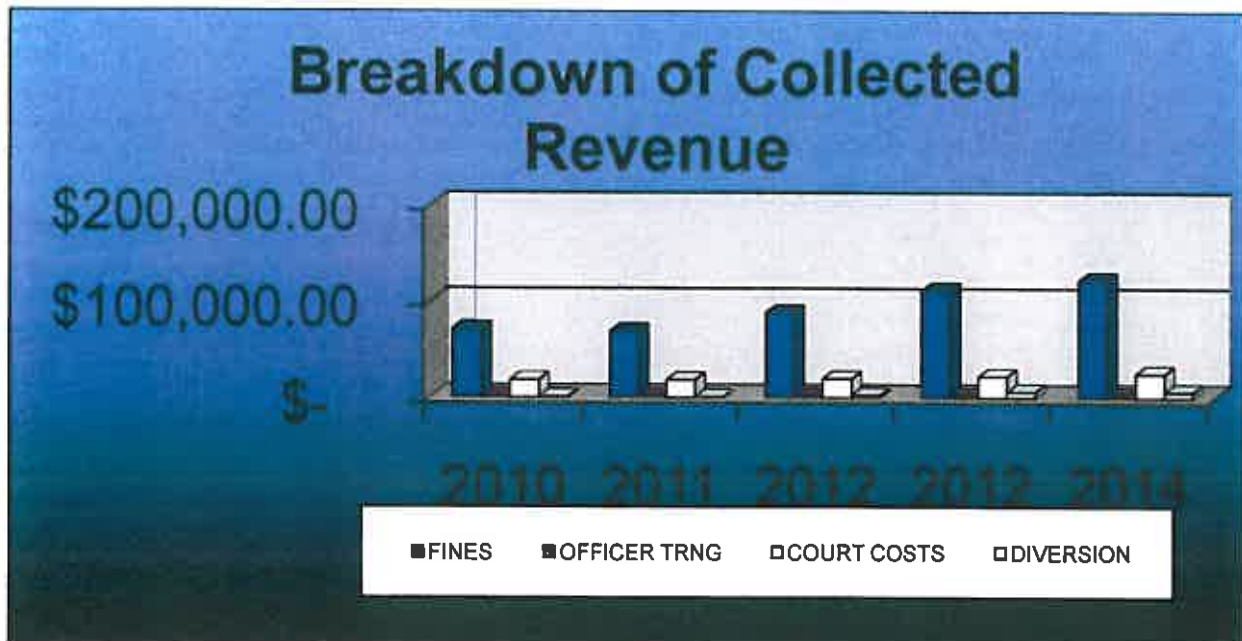


Defendants with minor traffic infractions, (such as speeding, disobey traffic control device) can meet with the Prosecutor on their court night about amending the charge to a non-moving violation. People choose to do this to keep the violations off their driving records. In 2014 the Prosecutor amended 116 minor traffic violations; the scheduled fine amount totaled \$10,745.00. After amending to a non-moving violation, total fines assessed were \$23,914.00. In 2013 the Prosecutor amended 79 minor traffic violations. The original fine amount assessed was \$8,685.00; after amendment assessed fines were \$24,535.00. Diversion is still offered for DUI, Battery and other misdemeanor criminal offenses.

In 2014, \$6,150.00 was paid out in court appointed attorney fees and \$5,312.42 was collected. In 2013 the City paid out \$6,900.00 and collected \$2,204.58.

In 2014 we collected for the State of Kansas and forwarded to them \$30,332.00 for Judicial Branch Education, Law Enforcement Training, Reinstatement fees and Community Corrections Fund. In 2013 we forwarded \$26,457.50 in fees to the State of Kansas. The Community Corrections Fund was implemented on 7-1-2012, and is collected and sent to the State on all DUI cases. The distribution, along with a brief report, is made monthly. This is an unfunded mandated service we provide to the State of Kansas.

<b>Fund</b>	<b>Collected 2011</b>	<b>Collected 2012</b>	<b>Collected 2013</b>	<b>Collected 2014</b>
Court Fines	\$ 68,906.25	\$ 83,223.67	\$111,613.48	\$122,260.94
Court Costs	\$ 18,343.00	\$ 19,640.09	\$ 22,320.64	\$25,104.00
Officer Trng	\$ 1,596.00	\$ 1,755.00	\$ 2,006.50	\$ 2,286.00
Diversion	\$ 607.98	\$ 2,441.19	\$ 6,422.00	\$ 6,243.84
<b>Total</b>	<b>\$92,207.85</b>	<b>\$ 89,453.23</b>	<b>\$142,362.62</b>	<b>\$155,894.78</b>



We have continued to actively enforce the Kansas Crime Victims' Bill of Rights. The Court Clerk is the Victim Rights Coordinator. Through this program, we keep the victims informed about the progress of their cases and provide them with a wide range of services. The coordinator makes both written and oral contact with the victims. The court highly values the input of all victims.

Evaluations for Diversions/Sentencings are conducted by Chris Davis, with South Central Kansas Court Services. The evaluation fee of \$150.00 is paid directly to him from the defendants. If the defendant is deemed indigent by the court, and cannot pay for his Evaluation, the Court pays Mr. Davis and adds it to the fees owed by the defendant. This is determined by the Judge and only happens on rare occasions.

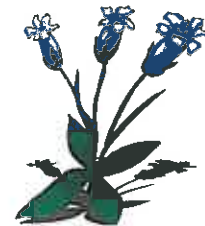
We have continued with our "pay or appear policy". This is for individuals who need some time to pay their fine and court costs. The individual is required to continue to appear in court on a regular basis until their fine and costs are paid in full. Unpaid cases that meet the criteria for the State's Setoff Program are placed on it for attempt at collection of those fees. The Court received \$3,290.94 from Setoff in 2014. In 2013, the court received \$4,091.33 from Setoff.

The Court paid \$8,111.26 in jail fees in 2014. In 2013, the Court paid \$14,455.31 in jail fees. The Judge tries to give defendants house arrest in lieu of jail. House arrest is paid by the defendant directly to the company monitoring House Arrest at no cost to the Court.

The Kansas Star Casino opened in late December of 2010. There were 111 arrests made that went through the Mulvane Municipal Court in 2014. There were 56 arrests for various offenses; criminal trespass, theft, DUI, battery and domestic violence in 2013. In 2012 when there were 63 arrests at the casino.

## MULVANE SENIOR CITIZEN'S CENTER 2014 YEAR END REPORT

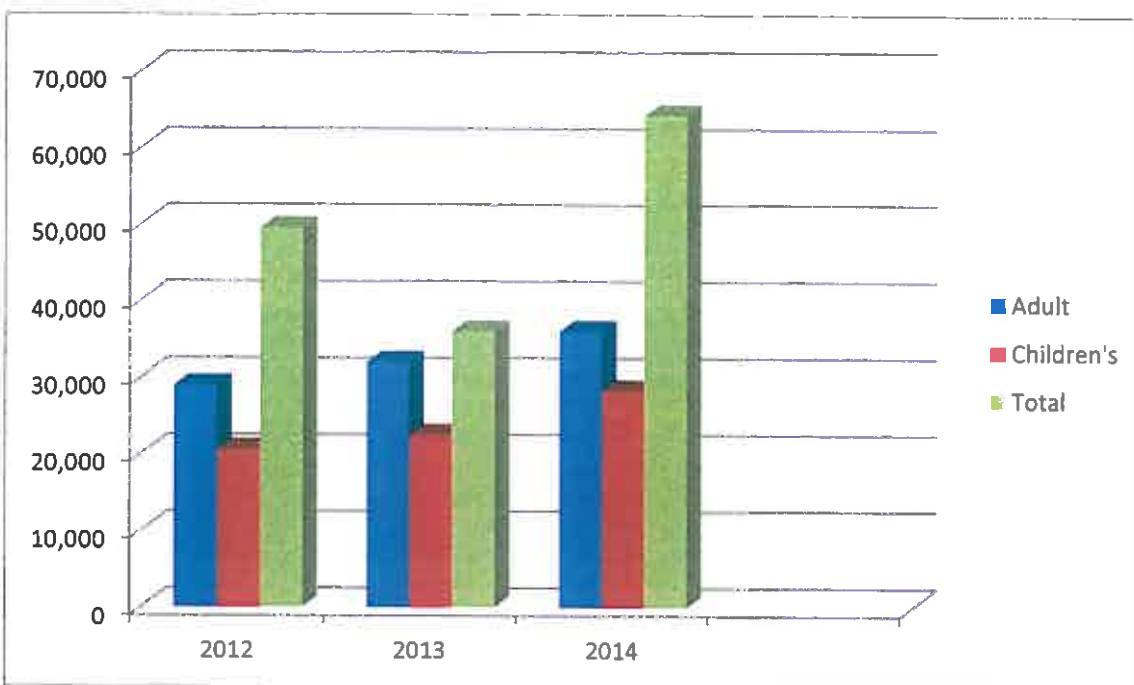
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Meals Served	13218	11900	11866	11333	10745	11444
Blood Pressure	193	323	273	626	318	174
Pool & Shuffle Board	291	234	200	138	287	338
Education Activities	-	-	-	1752	2273	1509
Commodities & Transportation	143	257	358	415	170	170
Coffee & Donuts	1385	1861	1586	721	838	1159
Bingo	278	114	120	149	121	221
Birthday Celebrations	347	361	425	547	304	184
Site Council	303	367	350	407	286	190
Computers	87	266	454	412	416	319
Dominoes	2375	1929	1455	1758	1418	463
Puzzles	222	285	213	630	485	272
Yoga	1096	1325	1120	1545	1881	1310
Book Loan	-	-	-	68	59	79
Harris Footcare	191	267	197	171	200	214
<b>MRC &amp; Sr Center Sponsored Trips:</b>						
Hamburger & Hot Dog Pot Luck	24	23	23	26	36	99
Prairie Rose	35	20	19	10	12	21
National Glass Museum Tour	20	16	24	12	21	25
Buhler Library	-	-	-	17	15	21
Museum of Military History	-	-	-	20	32	21
Rolling Hills/Salina	-	-	-	14	12	25
Olathe/Mahaffie House	-	-	-	20	19	19
Trips including Eating Out	-	-	-	20	28	8
Forum Theatre/Play	-	-	-	15	15	13
Cards/Quilling/Piano/Crochet/Knitting	130	180	106	238	75	275
Holiday Celebrations	36	23	26	202	189	158
Sr. Center Celebration Fish Fry	29	62	93	94	72	61
Christmas Party	41	33	34	45	30	30
Walking at MRC & Coffee	577	3536	4448	4513	3601	3844
Sr. Prom With Student Council/Jazz Band	-	-	-	50	52	30
Cookie Baking Contest	-	-	-	-	-	14
Zumba	-	-	545	1845	1270	709
Kentucky Fried Chicken Pot Luck	-	-	-	70	246	453
Betty Power's 80th Birthday	-	-	-	-	-	25
Espiril De Corps Concert	-	-	-	41	30	20
Paneara Bread Give Away	-	-	-	-	1412	1538
Old Geizer Coffee Group	-	-	-	-	1091	2200
<b>Total</b>	<b>21,021</b>	<b>23,382</b>	<b>23,935</b>	<b>27,924</b>	<b>28,069</b>	<b>27,655</b>



Mulvane Public Library

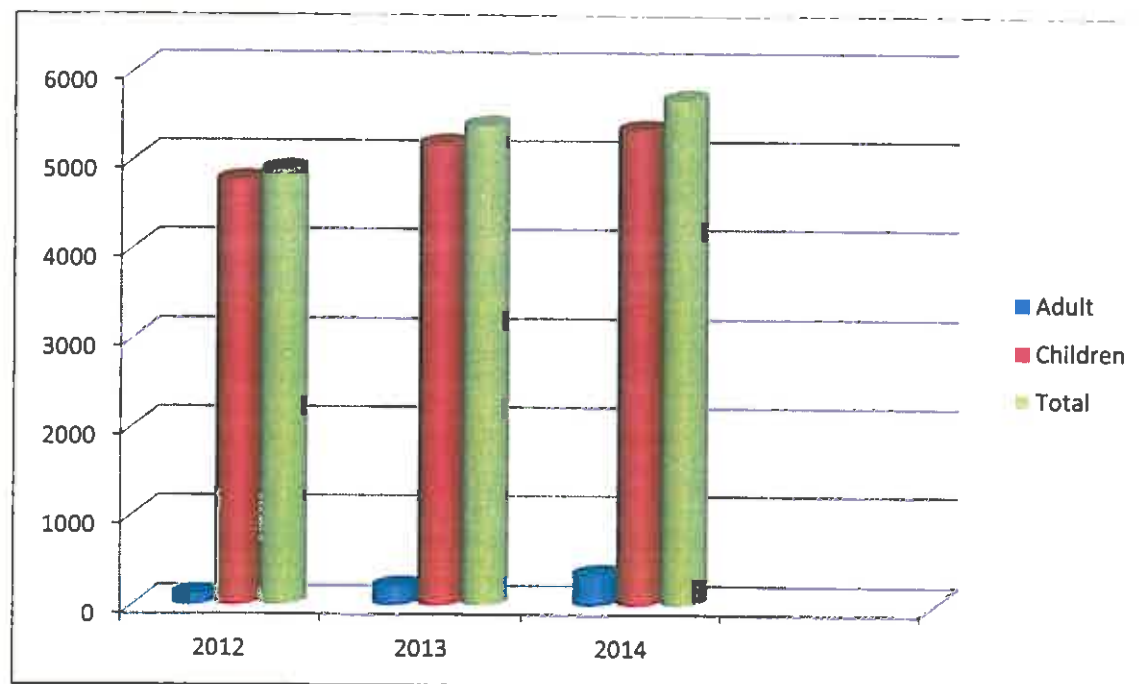
2014 Annual Report Statistics

Circulation	2012	2013	2014
Adult Estimate	28,949	31,992	36,044
Children's Estimate	20,573	22,478	28,287
Total	49,519	54,470	64,331





<b>Program Attendance:</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Adult Programs	115	210	345
Children's Programs	4,780	5,186	5,351
<b>Total</b>	<b>4,895</b>	<b>5,396</b>	<b>5,696</b>



**Summer Reading Program 2014 (attendance included in above totals).**

Children's Reading Program	2,421
Teen Reading Program	151
Adult Reading Program	211

**\*\*Please note:** the above totals do not include the Rec Center children who attend one program per week. The Rec Center children would add 675 to the total number of children attending.

<b>New Patrons Added:</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
	601	537	525

<b>Interlibrary Loans:</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Our items sent to others	725	672	736
Items borrowed by our patrons	601	537	446

#### **Overview of Library Activities:**

The library saw a 9% increase in circulation. Grant funds rose by 17%. Attendance in all programs rose by 6%. New adult and children's programs include monthly knit and crochet classes, Crocktober and monthly book discussions rather than bi-monthly. For the first time, the library will offer children's programming during Spring Break of 2015.

The Mulvane Public Library received eleven grants in 2014. The grants were used to purchase new adult and juvenile titles as well as the purchase of DVDs. In addition, grant funds were used for the summer reading program, new equipment and Playaways.

In June of 2014, the public overwhelmingly approved a one cent sales tax to pay for construction of a new library. Floor plans are now 95% complete and groundbreaking is expected to occur this spring.

We renewed our efforts for outreach by adding NewsBank, which provides anyone with a library card access to The Wichita Eagle online. Cybrarian, a program designed to manage Internet computers, was added in the fall of 2014. This program allows self-service Internet access. Also, Maria Court, Quad Manor and Villa Maria receive delivery of large print books each month. Books and other library items are now delivered to those who cannot travel to the library.

In 2015 the Board of Trustees and Library Staff will spend much time getting the new library ready for occupancy in May of 2016.

2014 Year in Review . . . .

**Grants Received:**

SCKLS Grant-In-Aid (2)	14,825.00
SCKLS Technology Grant (2)	1,893.70
Levand Trust	3,858.57
AWE Grant (through State Library)	1,740.00
State of Kansas	2,249.11
E-Book Grant—SCKLS	3,000.00
Scholastic Grant	120.00
Gaming Grant (through State Library)	450.00
SCKLS Summer Reading Grant	<u>100.00</u>
<b>Grand Total—Grants</b>	<b>\$28,236.38</b>

**Programming:**

Adult Programs	32	Attendance	345
Children's Programs	168	Attendance	3,038
YA Programs	8	Attendance	188
Summer Reading	20	Attendance	2,125
<b>Total Programs</b>	<b>228</b>	<b>Total Attendance</b>	<b>5,696</b>

**Circulation:** **64,331**

Increase of 14% over 2013

**Public Relations:**

Library representations off-site

Newspaper articles about library	61
Miscellaneous: posters, fliers, cable ads, displays	55

### **In General:**

The library saw a 9% increase in circulation. Grant funding rose by 17%. The number of programs offered for children and adults increased by 17%. Attendance at all programs rose by 6%.

### **Collection Development**

Mulvane Library continues to carry most of the New York Times bestsellers as well as most of the newly published DVDs. The Wichita Eagle is available through the library's website for all card holders, free of charge. Currently, the library has maxed out all available space. Many new materials will need to wait until the new building is ready.

### **Equipment and Technology:**

All public access computers were replaced in 2014. Also, a 4<sup>th</sup> public Internet computer was added. The Library Directors computer was replaced as was the microfilm reader computer. An up-to-date microfilm reader/printer was purchased with installation scheduled shortly. Also, a new laminator was purchased.

The library purchased software to manage all public Internet computers. Cybrarian allows the Internet computers to be self-service. The staff can now concentrate on other duties.

### **Library:**

In June of 2014 the public overwhelmingly voted in favor of a new library building. Staff, community members and architects are working towards finalizing plans.

### **Maintenance:**

The current building continues to be a challenge. In September, major work was needed on one of the HVAC units. Lighting requires maintenance at two to three month intervals. Power outlets are few and far between.

### **Programs:**

Twelve new adult programs were added this year. These include monthly crochet and knitting classes. Crocktober has been added in October. Book discussions are now a monthly event.

The summer adult reading program was once again combined with the children's reading program. This resulted in a large increase in adults who participated.

**Staff:**

Three new staff members joined the library this year. Valerie Martin became the Children's Library Assistant in August. Mae Beth Hatfield joined the library in February as Evening Aide. Finally, in November, Monica Turner started work as the Children's Aide.

**Considerations for 2015:**

The major focus for 2015 will be the construction of the new building, expected to start in Spring. The Library Board and Library Director will need to concentrate on new policies that will be needed, as well as how to physically move the current library to the new building.

The library will be providing activities during Spring break this year for the first time. Programs include beading, tie-dye shirts and owl pellet dissection. If this proves popular, the staff will continue these programs.



# **MULVANE STREET DEPARTMENT**

**2014 Year End Report**

**Prepared by**

**Kevin G. Baker**

**Street Superintendent**



## **Mission Statement**

**The Mulvane Street Department strives to  
provide the citizens of Mulvane and the Governing body  
optimum, superior service, while maintaining a safe and productive  
work environment.**



# Street Department 2014 Year End Report

The street department is the most diversified department in the city, performing a variety of work for the city. I take pride in our skilled crew that is properly trained to do quality work. As a department, we are thankful for the continued support of the governing body, allowing us the resources and equipment to complete the variety of task. In 2014 we successfully accomplished two unique projects, the work in return, saved Mulvane thousands of tax payer dollars. Responsible fiscal management allows the department to tackle a considerable amount of work, getting the most we can out of the resources made available to us with a relative small crew of 5.

Overall street maintenance for 2014 went very well. The annual summer slurry sealing program is very beneficial to city streets. The summer was perfect this year, which allowed us to complete all scheduled slurry sealing work...slurry sealing is cost effective and contributes to the preservation of the streets. The table below illustrates streets of focus for slurry sealing, and specific street maintenance/repairs.



Slurry sealing process on Rockwood Blvd.

Street	Year	Work done
Rockwood Blvd.	2014	Patched and Slurry sealed (K-15 to Rock Rd.)
First St. 100 blk North	2014	Large areas in front of Stroots dug out, cement based and hot mixed
College St. N. of Main St.	2014	3 Gas cuts repaired
Intersection of Mulvane & Central St.	2014	Large area dug out and repaired from KGS work that was done
Bernice Marie	2014	Patched and slurry sealed
Jeanette	2014	Patched and slurry sealed
Jantzen	2014	Patched and slurry sealed
April Dr.	2014	Patched and slurry sealed

Louis Dr. (Shelly Dr. to Rockwood blvd)	2014	slurry sealed
Mundell	2014	slurry sealed
Miller St.	2014	Large utility cut dug out and repaired 200blk
Central St.	2014	Place millings in off street parking next to apartment house/Northeast corner of Mulvane and Central. Patch several gas utility cuts
Ridge Pt Dr.	2014	Patched and slurry sealed
Rivera Dr. (Erin Ln to English Park	2014	Patched and slurry sealed
Chestnut	2014	Replaced 30 ft. of curbing @ 221...slurry sealed and patched
Maplewood	2014	Slurry sealed
Brent St.	2014	Patched and slurry sealed
Tristan	2014	Patched and slurry sealed
Helbert (College to Central St.)	2014	Patched and slurry sealed
Fox Run Ct. 414 & 418	2014	Relace curbing - repair street
Charles St.	2014	Patched and slurry sealed
College (Bridge to Vine)	2014	Dig out and repair multiple KGS utility cuts

### City Contracted Projects

In addition to the yearly street maintenance program, Mulvane contracted two milling and overlay projects, and one PCP panel repair/replacement on K-15. The first of these projects was the milling and overlay of K53 stretching from each end of the city limits. This project had contributing KLINK State Funding which aided in the cost. The second project was the milling and overlay of Second St. (Main St. to K-15) . These two projects were both done by Cornejo. The third project, done by Bryant & Bryant, involved the removal and replacement of two failed concrete panels on K-15. There were no engineering cost for the Second St. mill and overlay, or for the K15 project. In house management was utilized for oversight and inspection, saving the city significant engineering cost.



Second St. milling and overlay in progress



K-15 concrete panels removed for replacement



## Completed Task List for 2014

As noted in the introduction, in addition to our general street maintenance, the street department takes on many projects unrelated to annual street maintenance. These projects go above and beyond general street maintenance. Taking on these special projects saves city tax dollars. The city depends on the street department for a variety of task, unrelated to street maintenance, which I define as dissimilar work.

**These are two unique in house projects accomplished in 2014 by the Street Department**



Out Flow pipe at the Sports Complex Pond



Curbing replacement on Fox Run Ct. - to eliminate significant pooling of standing water



The following is a bullet list of our yearly general operations:

- Grade or rock alleys yearly or as needed
- Over 100 tons of asphalt was placed and/or replaced 2014 for maintenance and repairs.
- Repair 6 street cuts for Water Dept. including one residential driveway where a water leak repair required a partial removal of the driveway.
- Repair 12 street cuts for Kansas Gas Co. (The Gas Co. reimburses us for these repairs).

**This picture shows just one of the 12 street cuts we repaired for the Kansas Gas Co.  
(Intersection of Central & Mulvane St.)**



**Over 300' of Bike path repairs on Rock Rd.**

- Haul off over 600 tons of street sweeping spoils, dirt, concrete, and asphalt spoils.
- Grade, maintain, and rock 140<sup>th</sup> St. south of the Casino

**Replace 40' of sunken curbing on Chestnut Dr.**



**Ditch cleaning on W. K53**



- Clean out storm inlet boxes on Second St and Main St. and other storm structures where needed.
- Pick-up several hundred bags of leaves that Mulvane High School Students raked for needy residents.



- Eliminate weeds on right-of-way of K-15, Rock Rd., Second St., Main St., K53, and around bridges.
- Clean out ditch adjacent to Hazel Craig Park in Country Walk Addition, pictures show the before and after.



- Maintain sewer plant/brush pit road as needed.
- Clean public works facility and the downtown area weekly.
- Clean concrete storm valley drain on W. K53 when needed
- Remove a total of 5 dead or diseased trees on city right of ways and in City Parks.
- Cleared woody brush off of bridge embankments on K-15.

- Pick up tree limbs for residents when requested September through May.
- Cut weeds around all traffic signs, guard rails etc.
- The brush pit was burned 4 times in 2014.
- Cut drainage ditches where needed for improved storm water run-off.
- Trim low hanging tree limbs.
- Hauled and stock piled 250 tons of various types of aggregate
- Remove and replace 350' of failed sections of the bike paths on Rock Rd and at the Sports Complex

### **Street Sign Related Summary – 2014**

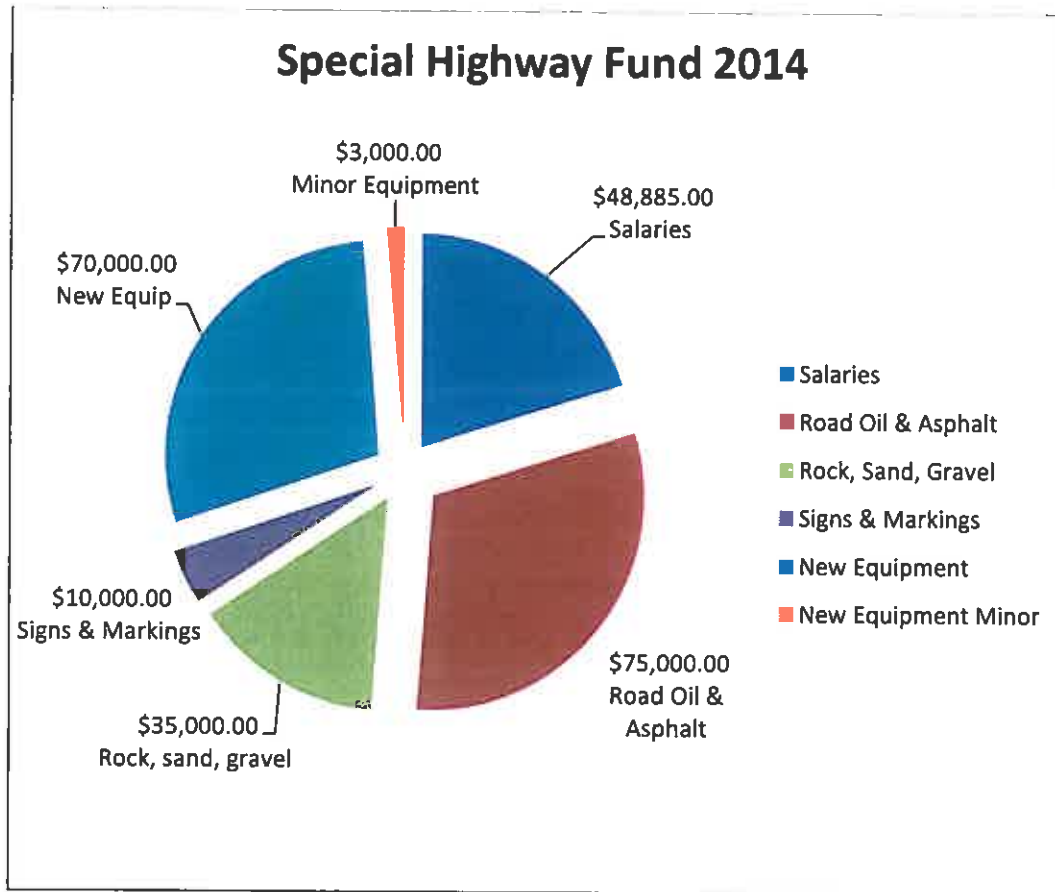


The street department has a large inventory of street signs that are categorized as regulatory, advisory, and prohibitive. The street department replaces regulatory signs; on an as needed bases, damage or discoloration is usually the cause of replacement. The reflectivity life of a street sign is between 5 to 7 years; depending on how much direct sun exposure the sign receives. Listed below are some of the signing/signaling activities we provide each year.

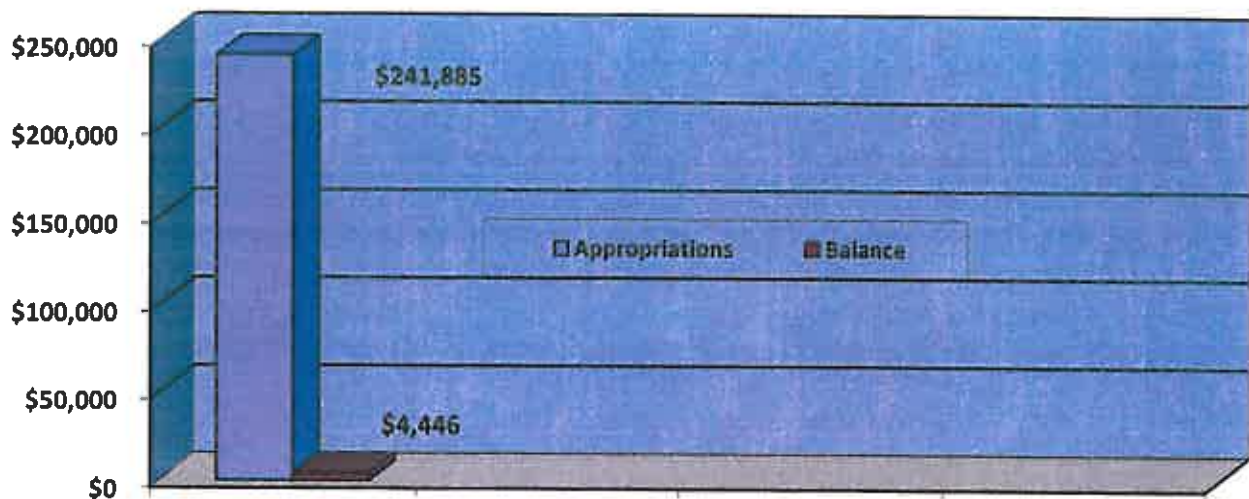
- Build 50 new sets of barricades in 2014  
(All departments in the city depend on the street department for barricades, the average cost per year of maintaining our barricade inventory is about \$3,000.)
- Re-painted all dead end barricades
- Supply barricades for Motor cycle show
- Supply barricades for Marauder's Car show/Rod run
- Set up detour route for Old Settler's Celebration
  - This involves the setting up and taking down of approximately 145 barricades, and 60 temporary no parking signs. Preparation for this event takes an entire week.
- 12 regulatory signs were replaced (stop, speed limit, no parking etc.)
- 24 street name signs were replaced
- Paint parking stripes on City Hall parking lot.

## Budget Analysis - Special Highway 2014

Appropriations for the Special Highway Fund were \$241,885.  
This graph shows where the money goes.

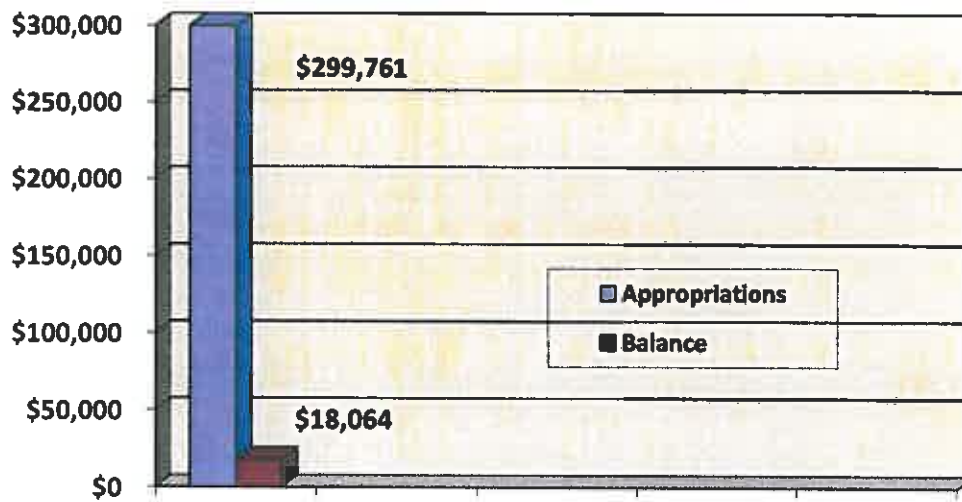


As of Dec. 31<sup>st</sup> 2014 there was a balance of \$4,446 in the Special Highway Fund





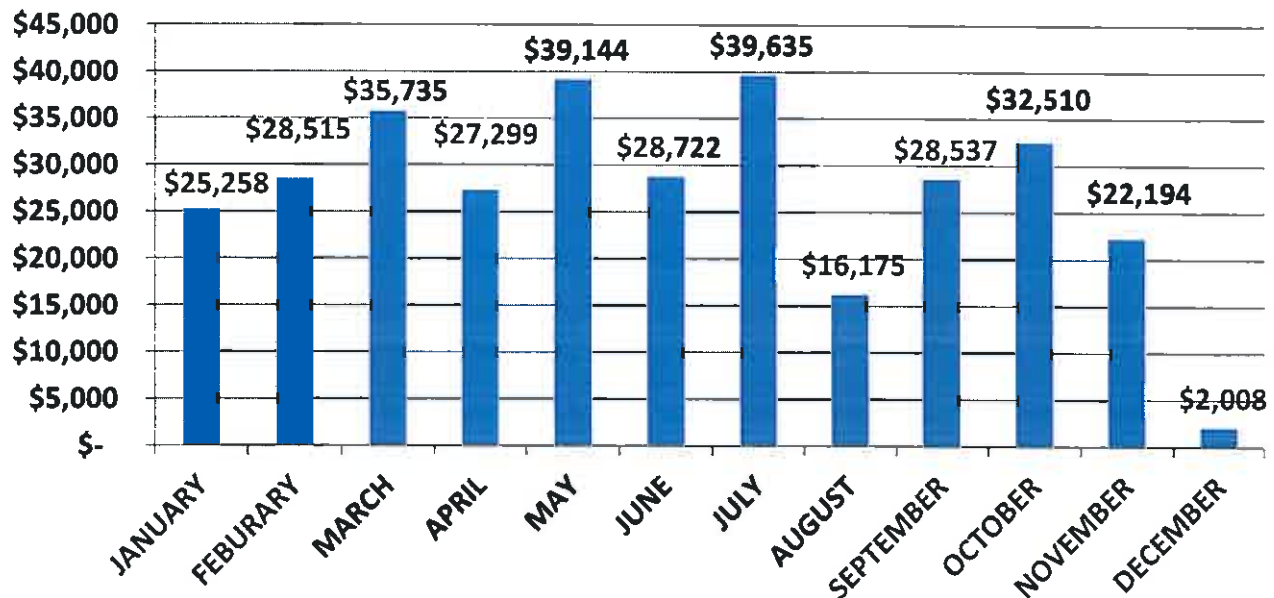
## Budget Analysis - General Fund 2014



**Total Appropriations for the General Fund were \$299,761**

**As of December 31, 2014 there was an unencumbered balance of \$18,064**

## General Fund Monthly Expenditures - 2014



**This chart reflects monthly expenditures in 2014. The average monthly operations cost from the General Fund for the Street Department is \$27,144. The Street Department has 23 expenditure line items in the General Fund.**



# Mulvane Fire Rescue

## 2014 Annual Report



*ISO Class 3 / 5*



*November 2014 ~ Plaza Lane Ct.*

*Report prepared by Capt. Lowell Ester*

## Mission Statement

The Mulvane Emergency Services is a paid/volunteer organization with the purpose of protecting life and property of the citizens and visitors of the City of Mulvane and contracted area of Sumner County.

The members of the Emergency Services Department have given a commitment of themselves to become the best professional men and women possible in the quest for efficient emergency medical and fire protection for their community.



[www.mulvaneemergencyservices.org](http://www.mulvaneemergencyservices.org)

## The Year 2014 in Review!

Mulvane Fire Rescue celebrated its 109th year of providing service to the City of Mulvane and surrounding community!

Mulvane Fire Rescue ran 362 Fire Alarms or 1 fire call per day!

Mulvane Fire Rescue raised \$5,500 for MDA in boot drive!

Mulvane Fire Rescue received a \$2,500 grant from the Forestry Service for a foam system on B-407!

Fire Prevention crews visited approximately 600 children in 4 preschools and grades Pre-K thru 2 this year.

Brush 407 was placed in service October 1<sup>st</sup>!

10 members attended KU Haz-Mat Operations class taught by Lt. Mike Fells.

Fire & EMS substation #2 opened at the Kansas Star Casino.

Mulvane Fire Rescue hosts the KU Grain Engulfment Training trailer.

FF2/EMT Fred Heersche is hired as full time Fire Lieutenant.

Mulvane Fire Rescue welcomes 6 new members into its ranks.

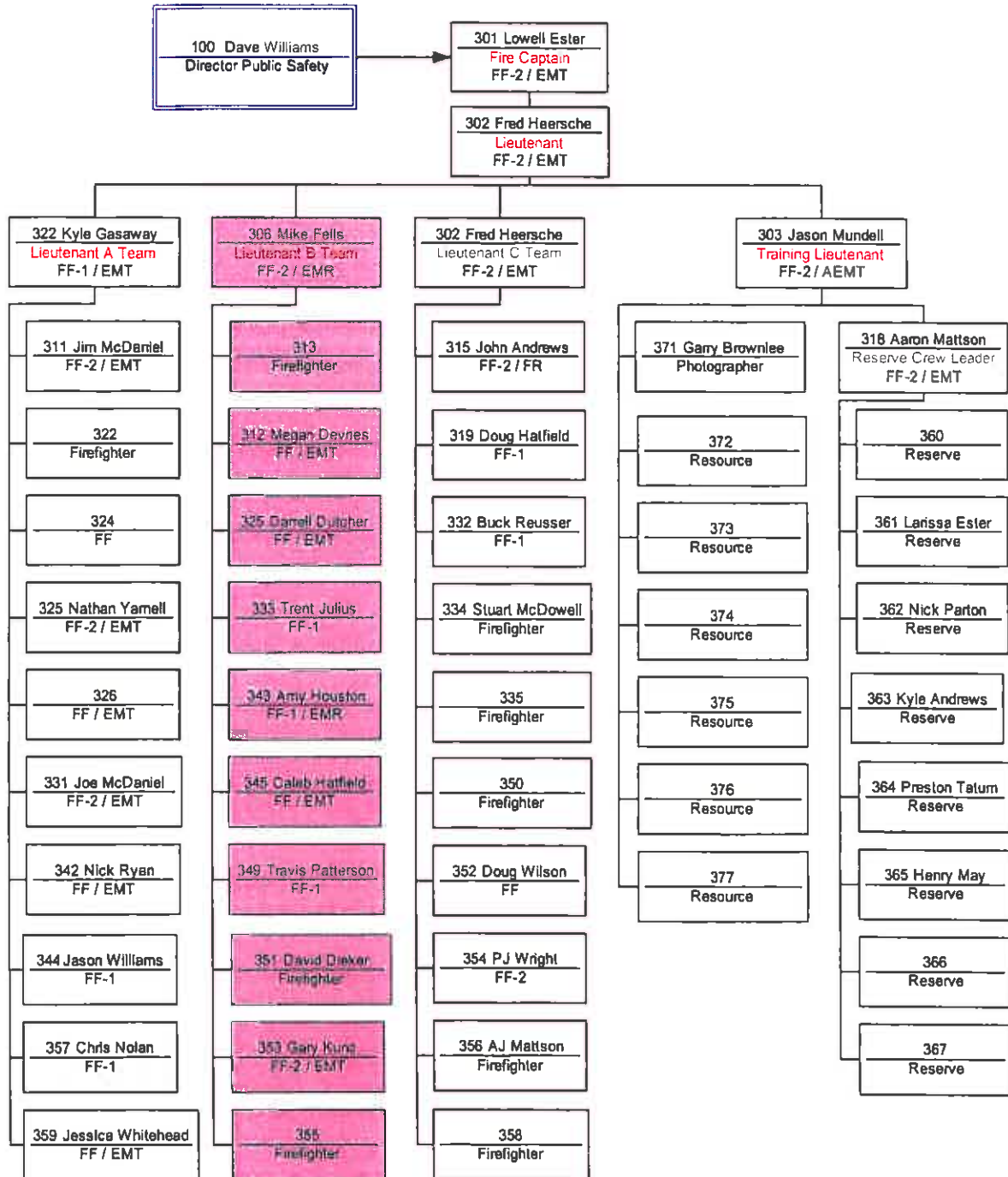
Congratulations to: FF/EMT Megan DeVries, FF Doug Wilson, FF Jaman Rogers, FF/EMT Skyler Reynolds & FF Kathy Rogers. FF AJ Mattson was promoted up from the Fire Reserves.

Mulvane Fire Reserves welcomes 3 new members!

Congratulations to: Nick Parton, Henry May & Preston Tatum.

# MULVANE FIRE RESCUE

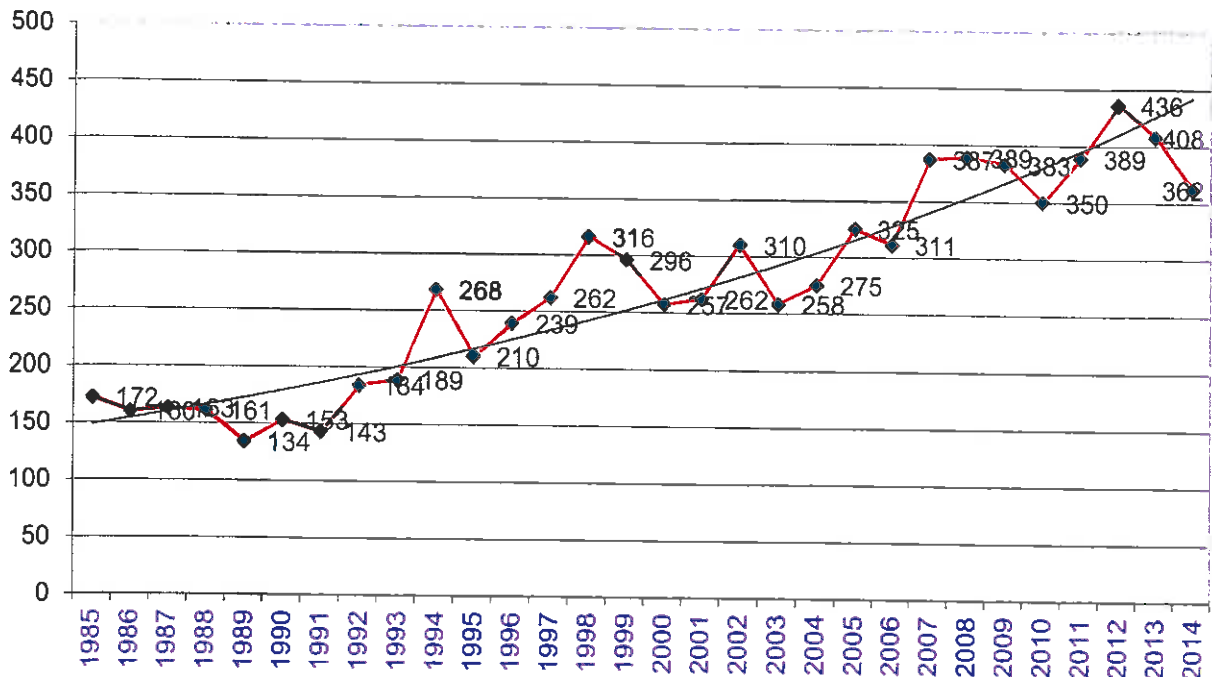
## Organizational Chart



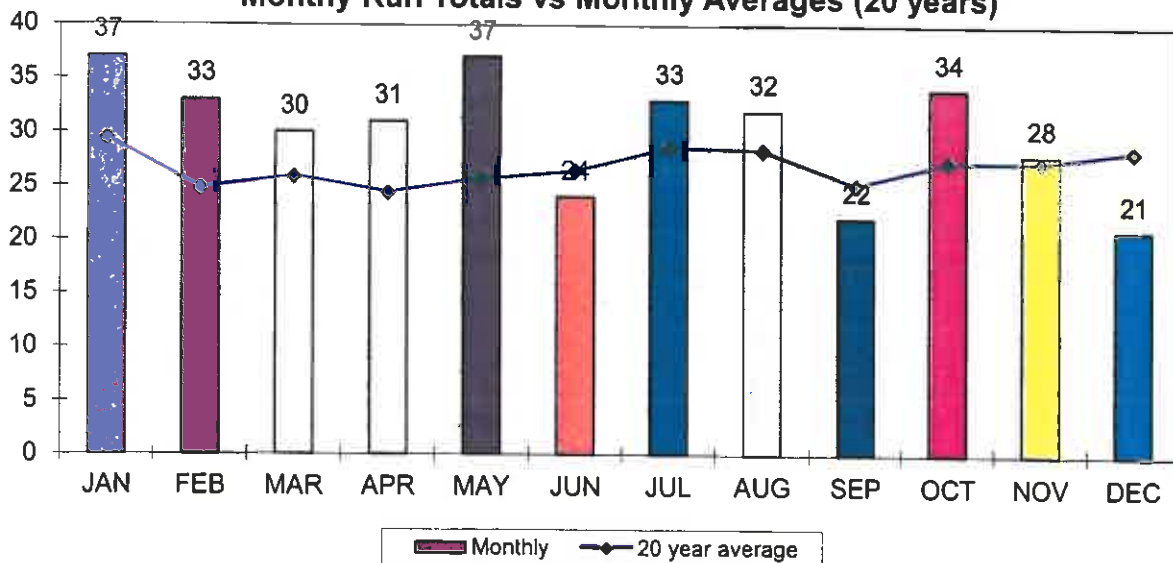


Mulvane Fire Rescue responded to 362 alarms in 2014. This was down slightly from last year's 408 alarms. We have hovered around one call per day for about the last 8 years. The drop in FD alarms can be attributed to less second out EMS calls, thanks to the second EMS crew being on duty.

**Yearly Call Volume**



**2014  
Monthly Run Totals vs Monthly Averages (20 years)**



This was the third year for full operations at the Kansas Star Casino. Mulvane Fire Rescue responded to 34 alarms at this complex compared to 33 last year.

25 of these alarms were to the Casino and 9 were to the Hampton Inn. Our average response time for a first responder to be on-scene was 9 minutes. We responded to two automotive gas leaks, six system alarms, two MVA's, vehicle fire, grass fire, three haz-mats, ten EMS assists for critical patients and three third-out ambulance calls.

Mulvane Fire Rescue has a dedicated Training & Safety Lieutenant with 3 nationally certified Instructor 1's. 97% of our department will be nationally certified to Firefighter 1 when we finish training January 2015. We require all members to be Firefighter 1 certified within 3 years of membership and offer the class in-house every couple of years free of charge thru Kansas University Fire Service Training. 38% of our department is nationally certified to Firefighter II, and we plan on offering a Firefighter II class in the spring 2015.

Haz-Mat awareness is taught annually to 100% of our membership with 86% our members certified to Haz-Mat Operations. 17% of our members are trained as Incident Safety Officers. 17% of our department is nationally certified as Driver Operator / Pumper.

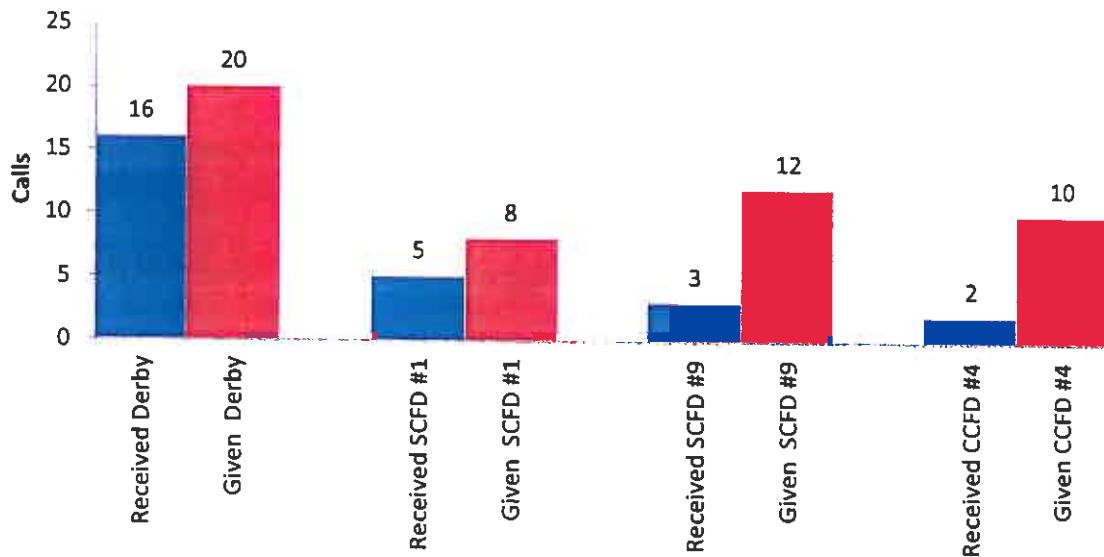
We have credentialed our firefighters to the National Incident Management System (NIMS) standards according to their certifications. We meet all FEMA training standards that are in effect at this time. 100% of our members are 100 & 700 NIMS certified. 86% have NIMS 200, 17% are NIMS 300, 59% are NIMS 800 certified and 7% have obtained NIMS 400.

Mulvane Fire Rescue has seven Mutual Aid and three Automatic Aid agreements. The Automatic Aid agreements help property owners in and around the Mulvane area by lowering their ISO rating which reduces their Insurance premiums. These agreements help Mulvane Fire Rescue by automatically starting more resources, both manpower and equipment, to potential high risk, high loss situations. It also allows the City of Mulvane to give something back to our surrounding community at a very minimal cost.

Mulvane Fire Rescue combined budget for 2014 was \$317,160. This averages out to approximately \$876 per alarm. The City of Mulvane contributed \$293,160 of this budget which is 3.2 mills. Sumner County Fire District #12 contributes 5 mills or approximately \$40,000. Under contract, 3 mills are paid directly to the City of Mulvane for operating expenses which amounted to \$24,000 in 2014. Fire District #12 also contributes another 2 mills in Fire Equipment purchases annually, or an additional \$16,000. Examples of this are the retrofit of Brush 407 this summer, Engine 402, Tender 406, Tender 408 and Pickup 409.



## 2014 Auto / Mutual Aid



*Mulvane received Aid 26 times, Mulvane gave aid 50 times.*

In July, Fire District #12 approved \$35,000 for the conversion of Rescue 407 to a brush truck. This was a joint agreement with the City of Mulvane providing the Cab & Chassis (1999 F-550) and the Fire District paying for the brush body. This truck replaces Pickup 405 a 1977 F-350 grass unit. A Forestry Grant helped purchase a class "A" foam system on this new brush unit.



*October 2014 - Brush 407*

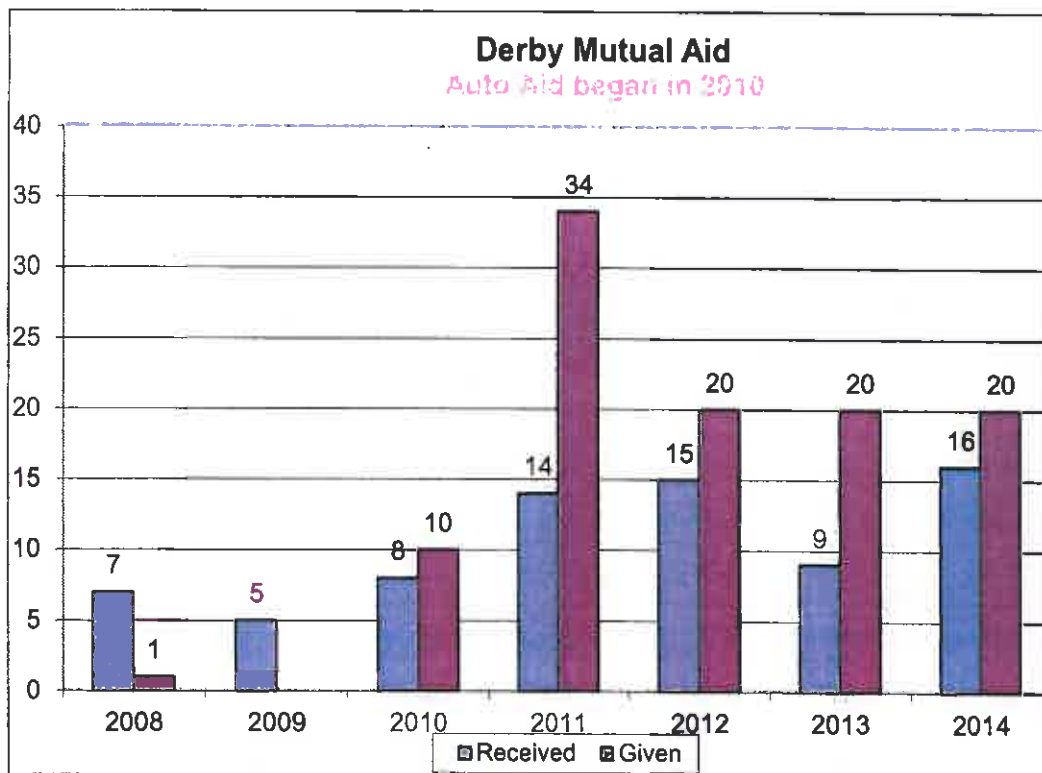
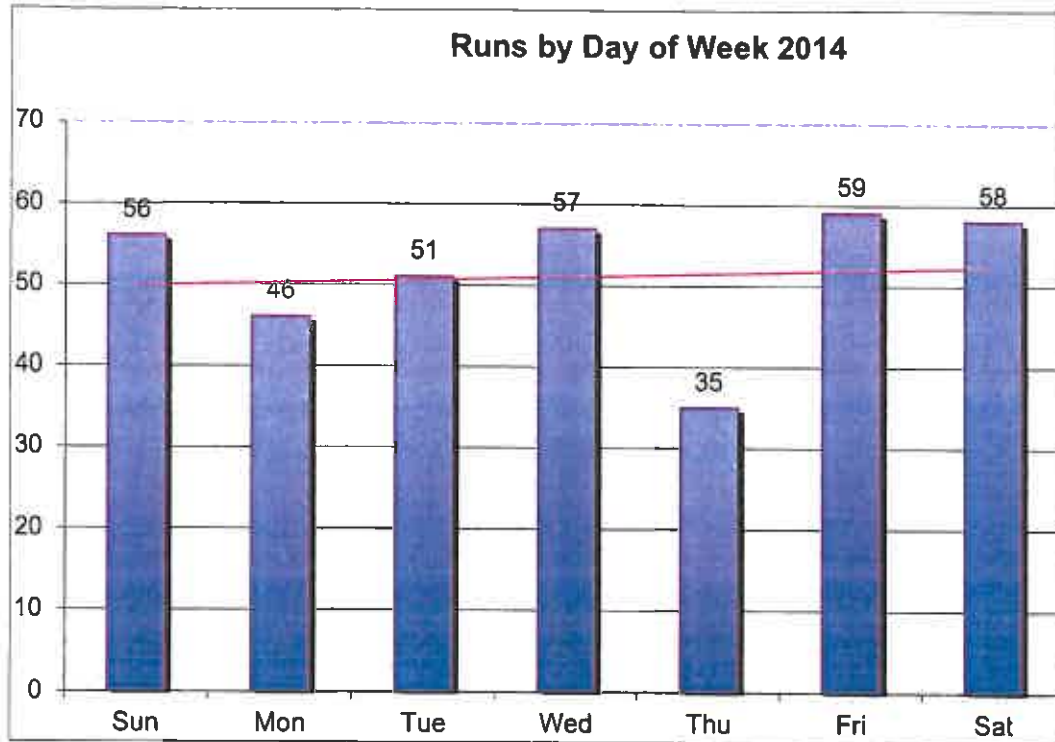
In April 2013 the Mulvane City Council approved the construction of a new \$1.4 million Fire and EMS sub-station at the Kansas Star Casino. This station opened in March of 2014.



### *May 2014 - Station #2*

Out of our 362 alarms in 2014, 105 (29%) were West of the BNSF railroad tracks. This station will allow for a faster response on the west side of town, especially if the tracks are blocked with trains. Engine 403, a Class A pumper is stationed here along with an EMS unit. Volunteer Firefighters to staff this station have been difficult to find since this is a rural and commercial area. Fire District #9 (Belle Plaine) will at times fill this station to help Mulvane maintain fire coverage if we are out on other alarms.

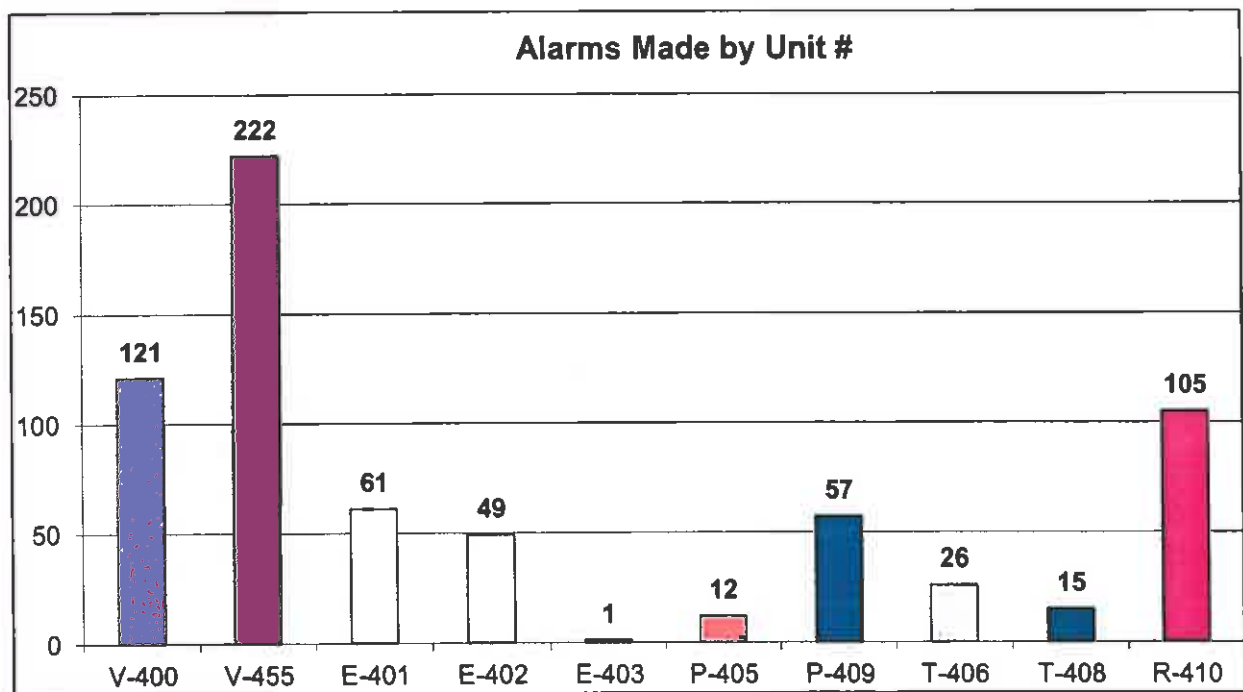
Wednesday, Friday, Saturday & Sunday were our busiest days last year, with Thursday being our slowest day of the week.



Breakdown of Aid Alarms with Derby

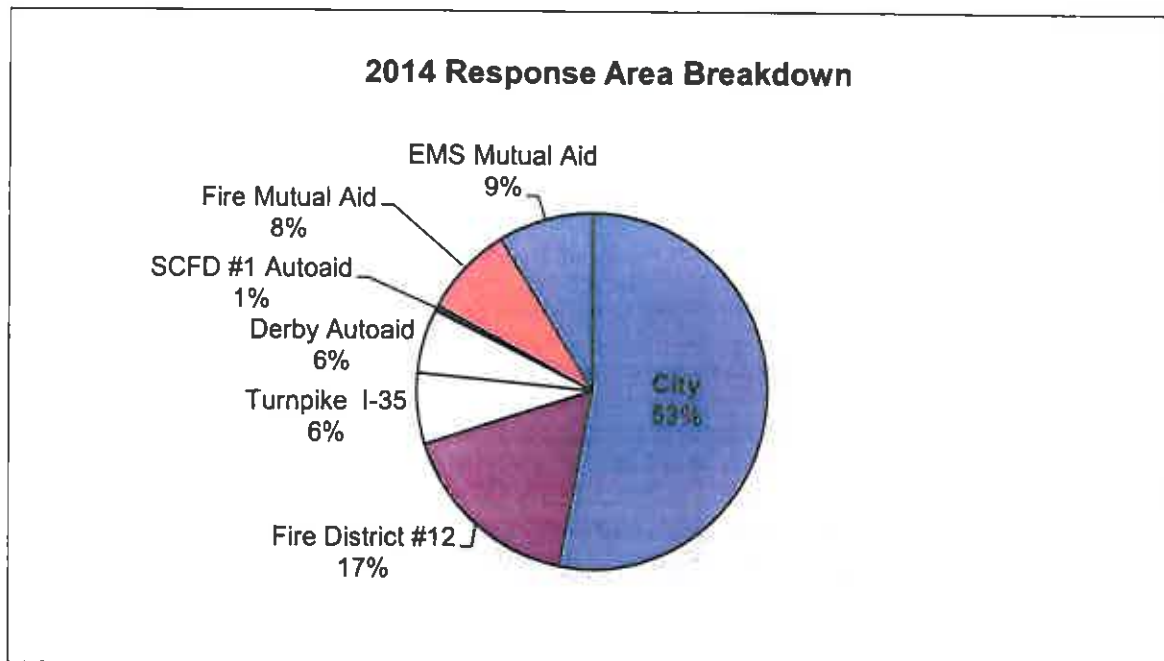
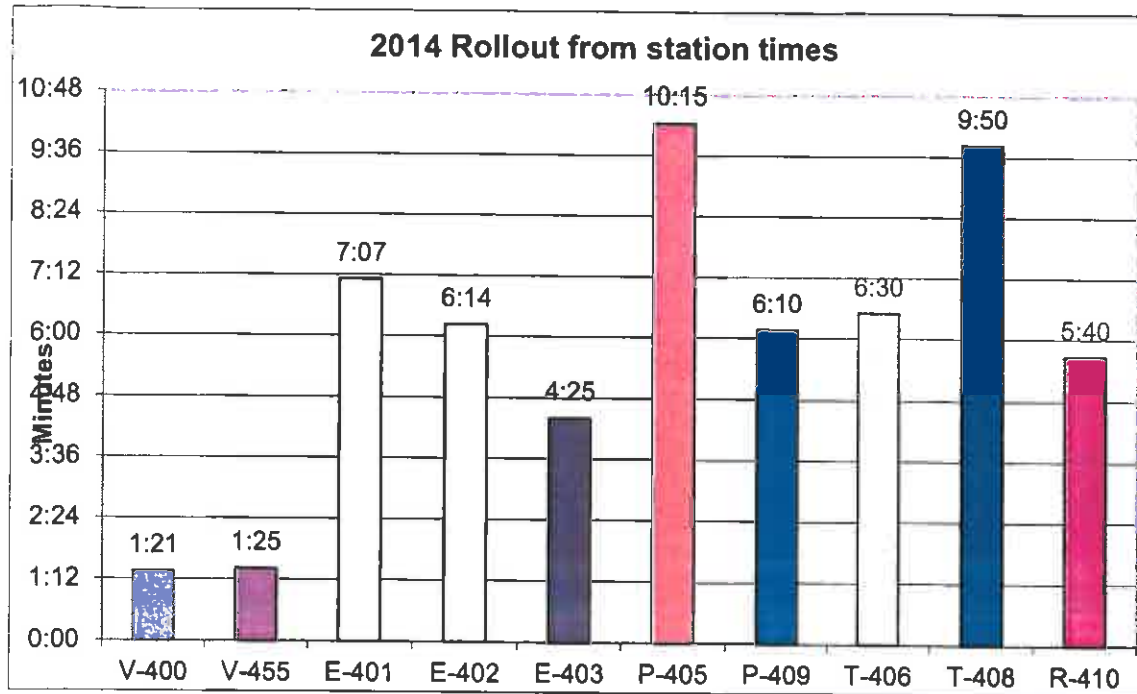


*February 2014 - MVA 103<sup>rd</sup> & K-15*



Vehicle 400 & 455 are the first response vehicles which make most alarms. They have a much faster response time due to being manned 24/7 with one person. The other units have to wait for volunteers to respond to the station.



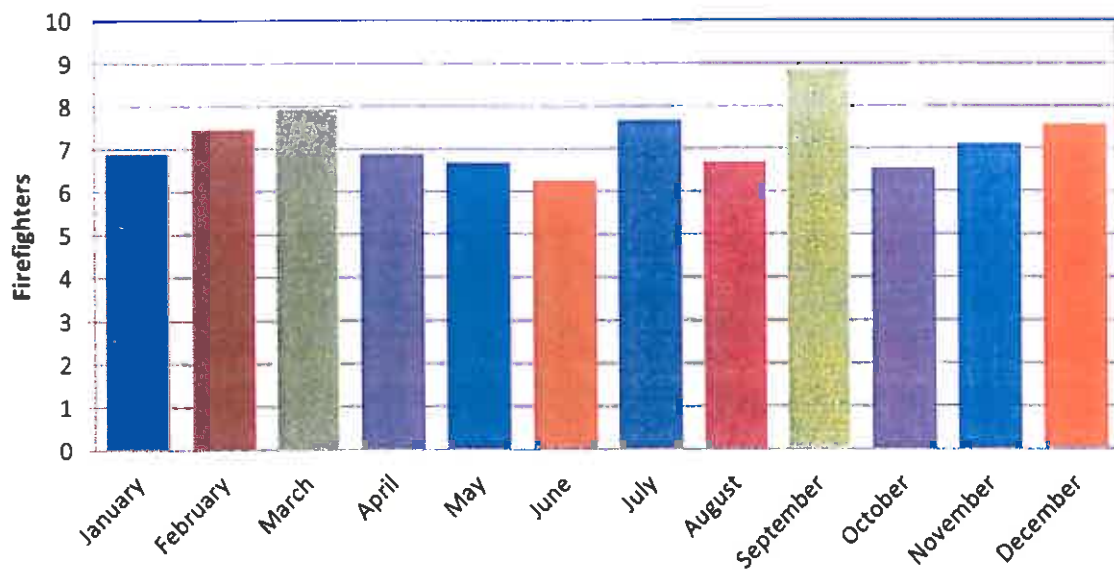


53% of our alarms are within the City of Mulvane. 17% of our alarms are in Fire District #12. This is unchanged from 2013. Fire District #12 has contracted with the City of Mulvane for fire protection since 1986. FD #12 covers 22 square miles of Gore Township and has a 7 member Fire Board. Mulvane Fire Rescue also covers under contract with the KTA, 8 miles of the Kansas Turnpike starting at the Belle Plaine Service Area north to the Mulvane Exit.



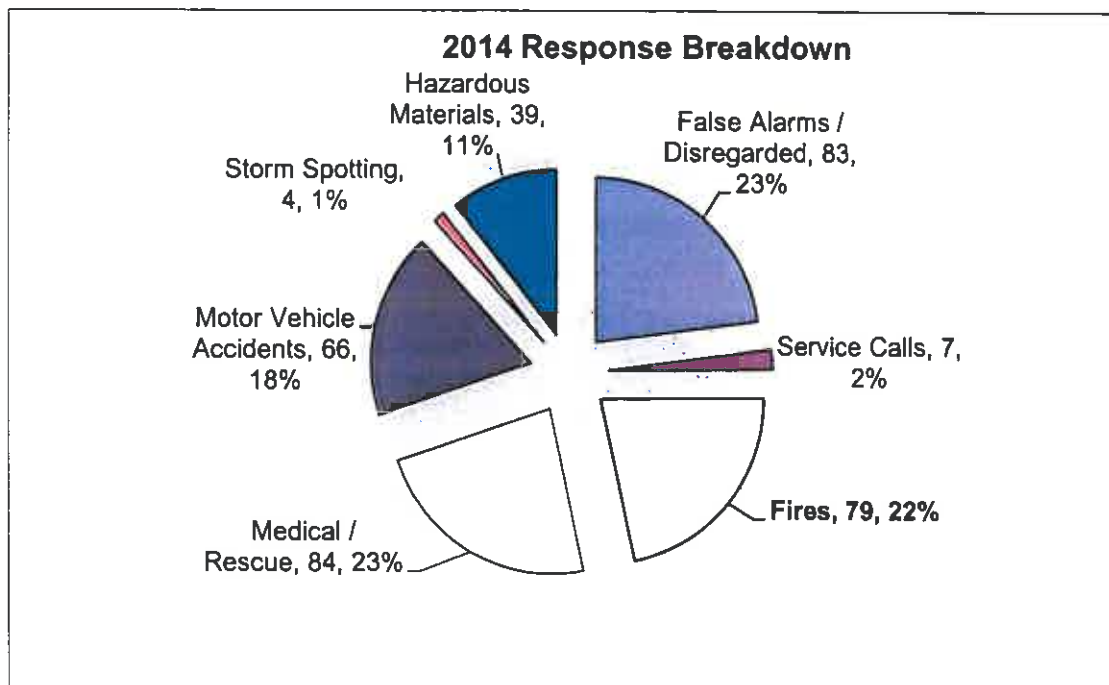
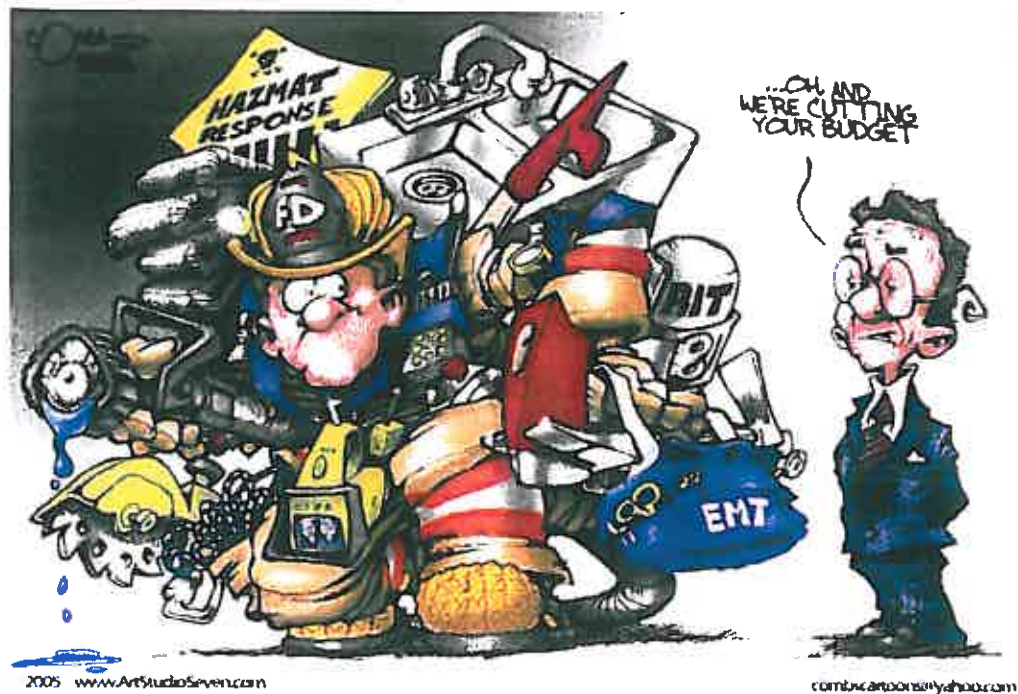
*December 2014 - New Duty Officer Vehicle*

### 2014 Average Turnout: 7 Firefighters



Mulvane Fire Rescue averages 7 firefighters per alarm. This year a new member class graduated 6 rookie Firefighters in May. For every new member volunteer firefighter class we have, we lose 50% of the class within the first 12 months. Our 2014 class dwindled down to 2 remaining members by December 31<sup>st</sup>. In this year's case, one moved to Derby, two did not have the time to dedicate to

the department. One Junior Fire Reserve, AJ Matson, turned 18 and was moved onto the regular Volunteer Department in September.

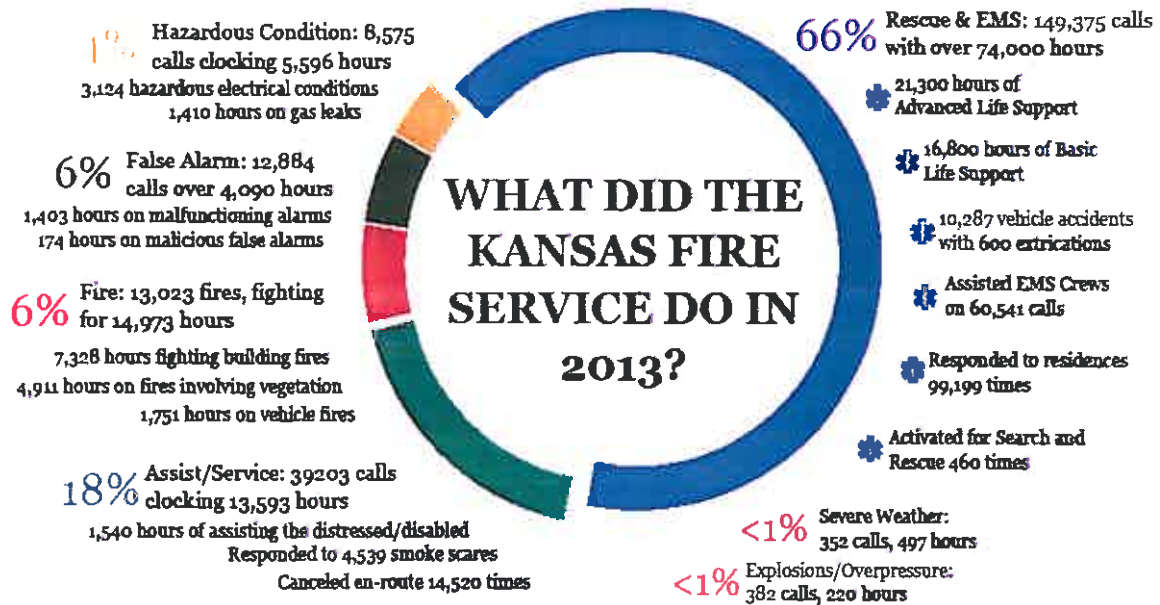


Fires are only responsible for 22% of our alarms.

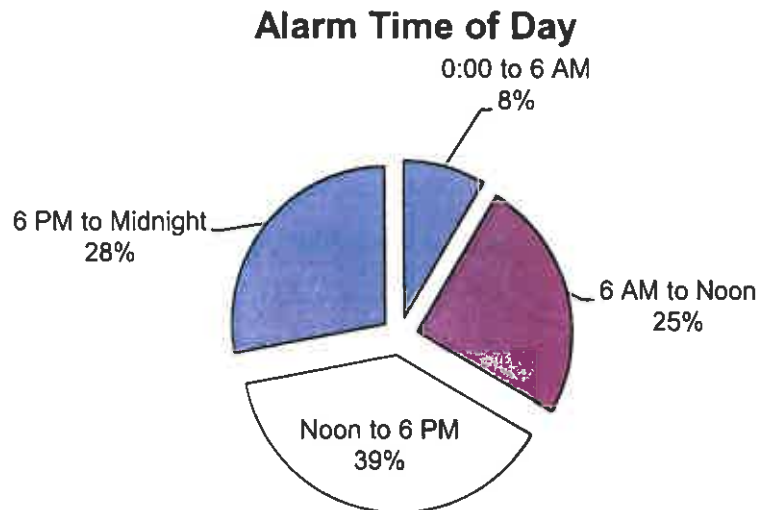
## State of Kansas, Fire Department statistics.

In KS, 437 fire departments spent over 115,000 hours on calls in 2013\*. This does not include training, drilling, or checking and repairing trucks, pumps, and gear. Also not included are the nights spent at the station during bad weather to ensure personnel could respond if needed.

Volunteers comprise roughly 84% of the Kansas Fire Service.



\* 437 of 643 fire departments reported to the Kansas Fire Information Reporting System in 2013. Visit [ksfm.kansas.gov](http://ksfm.kansas.gov) for more. Statistics current 6/1/2014 and include only valid reports.



Most of our alarms occur in the afternoon.





*November 2014 - Fatality car accident*



Mulvane Fire Rescue is installing reflective rural address markers paid for by Fire District #12 in an effort to better mark residences for Public Safety!

## Call Statistic by Month & Year

### 20 Year Call Averages

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	AVG
1985	9	7	24	13	10	31	13	12	12	8	13	20	172	14.3
1986	16	14	19	12	10	11	13	11	12	11	13	18	160	13.3
1987	11	11	16	10	7	19	22	19	9	15	10	14	163	13.6
1988	16	20	9	12	17	14	24	12	7	8	14	8	161	13.4
1989	12	4	15	18	13	9	9	4	9	15	10	16	134	11.2
1990	5	15	10	8	10	20	16	23	12	13	12	9	153	12.8
1991	9	10	9	10	5	16	24	14	13	12	10	11	143	11.9
1992	11	16	8	12	12	13	26	15	8	21	23	19	184	15.3
1993	16	15	8	8	23	18	23	13	16	10	24	15	189	15.8
1994	10	28	26	27	29	31	25	24	21	18	18	11	268	22.3
1995	13	15	14	14	23	11	26	20	19	20	21	14	210	17.5
1996	24	15	15	24	26	26	14	16	20	20	19	20	239	19.9
1997	12	23	34	18	16	22	31	23	15	26	23	19	262	21.8
1998	17	18	23	25	18	38	22	28	24	37	29	37	316	26.3
1999	21	18	22	21	29	26	28	31	30	24	20	26	296	24.7
2000	21	20	30	17	19	19	24	26	24	19	9	29	257	21.4
2001	18	20	19	23	21	25	33	24	17	23	15	24	262	21.8
2002	69	35	24	35	11	15	21	19	17	22	15	27	310	25.8
2003	18	28	17	13	23	26	25	25	18	21	17	27	258	21.5
2004	24	16	10	23	25	25	20	18	32	26	31	25	275	22.9
2005	67	25	21	16	16	28	22	31	22	25	30	22	325	27.1
2006	17	17	26	36	31	24	28	23	25	20	40	24	311	25.9
2007	29	28	31	27	32	24	28	43	34	27	45	39	387	32.3
2008	32	30	29	33	30	36	32	22	30	33	42	40	389	32.4
2009	37	29	41	22	27	37	29	40	25	34	30	32	383	31.9
2010	20	25	32	25	35	21	43	29	34	31	32	23	350	29.2
2011	32	31	39	31	26	26	34	37	35	30	39	29	389	32.4
2012	39	34	28	31	39	40	43	43	35	37	26	41	436	36.3
2013	40	34	32	22	29	35	35	37	24	36	35	49	408	34.0
2014	37	33	30	31	37	24	33	32	22	34	28	21	362	30.2
2015														
2016														
2017														
AVG	29	25	26	24	26	26	29	28	25	27	27	28	321	27

Reds are record highs

Blue Numbers are yearly Highs

Green is High for Month

Total Runs since Jan 1985

8152

Mulvane Firefighters put 2,788 hours of training in 2014. This broke down to 100 hours per firefighter or average of 8 hours per month per firefighter. New Members received over 150 hours training, all taught in-house by our staff.

## Alarms by Firefighter



	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Percentage of Calls
301 Lowell Ester	20	21	23	21	18	10	16	9	15	20	14	15	202	56%
302 Fred Heersche	24	22	21	24	26	14	23	16	15	20	17	16	238	66%
303 Jason Mundell	5	5	6	6	5	0	2	9	3	4	8	6	58	16%
304 Kyle Gasaway	7	23	16	16	17	14	13	18	13	26	16	18	197	54%
305 Bobby Kimble	16	15	18	10	8								67	19%
306 Mike Fells	13	13	10	11	14	4	14	10	10	9	10	6	124	34%
311 Jim McDaniel	5	6	6	3	6	12	1	3	4	2	5	2	55	15%
312 Megan DeVries					0	2	4	6	7	7	5	1	32	9%
313 Jimmy Reed	1	5											6	2%
315 John Andrews	14	3	11	7	11	8	6	2	12	15	4	6	99	27%
318 Aaron Mattson	5	3	4	5	2	3	4	3	5	4	6	0	44	12%
319 Doug Hatfield	20	7	2	6	2	5	18	15	10	5	6	6	102	28%
321 Steve Kohr	0	0	0	1	0	0	0	0	0	0	0		1	0%
323 Dustin Warner													0	0%
324 Matt Rhodes	0	3	0	1	0	0	0	0	0	0	0	0	4	1%
325 Nathan Yarnell	4	3	6	7	7	1	7	6	4	4	3	2	54	15%
326 Kathy Rodgers					0	0	0	0	0	0	0		0	0%
328 Darrell Dutcher	2	3	0	4	12	2	3	5	8	1	6	5	51	14%
331 Joe McDaniel	22	9	15	9	12	5	11	12	8	11	14	5	133	37%
332 Buck Reusser	1	6	3	1	2	1	0	0	2	0	0	1	17	5%
333 Trent Julius	14	8	14	12	13	8	16	13	5	9	8	4	124	34%
334 Stuart McDowell	1	0	1	0	0	0	3	1	2	0	5	0	13	4%
342 Nick Ryan	18	8	12	15	15	6	9	9	7	2	6	6	113	31%
343 Amy Houston	2	1	4	2	2	1	4	1	0	1	1	1	20	6%
344 Jayson Williams	7	8	7	4	3	2	6	2	2	1	4	3	49	14%
345 Caleb Hatfield	6	11	2	9	10	10	11	13	9	8	6	3	98	27%
349 Travis Patterson	1	5	6	8	6	3	1	3	5	5	3	8	54	15%
350 Jon Hicks	3	5											8	2%
351 David Dieker	1	4	4	2	5	4	3	4	2	1	5	3	38	10%
352 Doug Wilson Jr					14	8	22	20	15	23	19	7	128	35%
353 Gary Kunc	0	4	0	0	0	0	4	3	3	6	2	5	27	7%
354 PJ Wright	6	15	5	5	10	4	4	10	4	9	5	8	85	23%
355 Jaman Rodgers					5	0	0	0	0				5	1%
356 AJ Mattson									11	16	14	12	53	15%
357 Chris Nolan							3	1	0	0	0	0	4	1%
359 Jessica Whitehead	10	12	10	9	7	10	21	12	10	6	5	7	119	33%
360 Kasey Meeks													0	
361 Larissa Ester	1	2	1	1	0	1	4	0	1	0	1	2	14	
362 Nick Parton	0	0	3	0	0	0	0	0	0	0	0	0	3	
363 Kyle Andrews	7	2	9	2	6	4	6	1	2	5	0	0	44	
364 David Burton	2	2	3	1	0	0	0	0	0	0	0	0	8	
365 Henry May				1	0	0	3	0	0	0	0	0	4	
366													0	
367 AJ Mattson	13	9	16	8	7	8	9	6	1				77	
371 Garry Brownlee	4	3	1	2	2	0	2	1	0	2	1	1	19	
<b>Totals</b>	<b>37</b>	<b>33</b>	<b>30</b>	<b>31</b>	<b>37</b>	<b>24</b>	<b>33</b>	<b>32</b>	<b>22</b>	<b>34</b>	<b>28</b>	<b>21</b>	<b>362</b>	
City	21	18	8	13	18	16	17	17	16	19	21	8	192	53%
Fire District #12	12	2	8	9	7	2	5	6	1	4	1	5	62	17%
Turnpike I-35	0	4	3	0	5	2	0	0	2	2	1	4	23	6%
Derby AutoAid	2	3	2	2	3	1	2	1	0	2	3	0	21	6%
SCFD #1 Autoaid	1	0	0	0	0	0	0	0	0	0	1	0	2	1%
Mutual Aid	1	4	7	5	1	1	4	0	2	2	0	3	30	8%
EMS Mutual Aid	0	2	2	2	3	2	6	8	1	5	1	1	32	9%
<b>Average FF Response</b>	<b>6.9</b>	<b>7.5</b>	<b>7.9</b>	<b>6.9</b>	<b>6.7</b>	<b>6.3</b>	<b>7.7</b>	<b>6.7</b>	<b>8.9</b>	<b>6.5</b>	<b>7.1</b>	<b>7.6</b>	<b>7.2</b>	

## Meetings Attended by Firefighter



	January	February	March	April	May	June	July	August	September	October	November	December	Totals	Meeting Attendance
301 Lowell Ester	2	3	4	3	5	1	2	5	5	3	3	3	39	103%
302 Fred Heersche	4	3	5	3	4	3	3	3	3	4	2	3	40	105%
303 Jason Mundell	2	1	3	2	3	1	3	3	4	4	2	2	30	79%
304 Kyle Gasaway	7	3	5	3	6	4	3	6	6	7	3	4	57	150%
305 Bobby Kimble	4	2	4	3	2								15	39%
306 Mike Fells	4	4	4	5	4	3	4	6	6	4	3	3	50	132%
311 Jim McDaniel	3	3	3	0	3	1	1	3	2	2	3	1	25	66%
312 Megan DeVries					3	3	3	3	3	2	3	1	21	55%
313 Jimmy Reed	1	1	1	4	2	1							10	26%
315 John Andrews	2	1	1	2	1	1	1	1	2	4	2	0	18	47%
318 Aaron Mattson	4	4	4	4	2	4	3	5	5	4	3	2	44	116%
319 Doug Hatfield	2	2	2	1	2	1	3	1	2	2	1	1	20	53%
321 Steve Kohr	0	0	0	2	1	0	0	0	0	1	0		4	11%
323 Dustin Warner													0	0%
324 Matt Rhodes	0	0	1	2	0	1	1	0	1	1	0	1	8	21%
325 Nathan Yarnell	1	1	1	2	3	2	1	4	1	3	1	2	22	58%
326 Kathy Rodgers					2	0	0	0	2	0	0		4	11%
328 Darrell Dutcher	3	1	1	1	1	1	1	1	2	2	1	1	16	42%
331 Joe McDaniel	3	2	3	2	2	2	2	4	2	5	2	2	31	82%
332 Buck Reusser	0	2	3	1	1	0	0	2	1	0	1	1	12	32%
333 Trent Julius	3	3	2	2	3	2	2	4	4	3	1	2	31	82%
334 Stuart McDowell	1	1	0	1	0	0	0	1	0	0	0	0	4	11%
342 Nick Ryan	3	3	4	2	4	1	3	2	3	2	1	2	30	79%
343 Amy Houston	1	1	1	0	1	0	1	1	2	1	0	1	10	26%
344 Jayson Williams	3	4	3	1	1	1	3	3	1	2	2	2	26	68%
345 Caleb Hatfield	2	2	0	1	0	1	1	0	1	1	0	2	11	29%
349 Travis Patterson	1	0	1	0	0	0	0	1	1	0	0	2	6	16%
350 Jon Hicks	1	1	0	1									3	8%
351 David Dieker	3	3	1	0	1	2	2	2	0	1	1	2	18	47%
352 Doug Wilson					5	5	4	6	5	5	4	3	37	97%
353 Gary Kunc	2	2	2	3	2	1	3	6	5	5	3	2	36	95%
354 PJ Wright	1	2	0	1	1	1	0	2	1	0	0	1	10	26%
355 Jaman Rodgers					2	0	0	0	0				2	5%
356 AJ Mattson									4	4	3	3	14	37%
357 Chris Nolan	0	0	2	1	2	0	2	2	1	1	1	0	12	32%
359 Jessica Whitehead	1	3	3	4	3	3	2	3	2	3	1	1	29	76%
360 Kasey Meeks	1	0	0	1	0	0	0	0					2	
361 Larissa Ester	2	2	2	4	4	2	2	4	4	2	2	2	32	
362 Nick Parton	1	2	2	2	2	2	0	1	0	1	1	1	15	
363 Kyle Andrews	2	1	3	2	1	2	3	3	1	3	2	0	23	
364 David Burton	4	4	4	4	3	2	1	0	0	0	0	1	23	
365 Henry May				3	1	0	2	0	0	2	0	0	8	
366														
367 AJ Mattson	5	5	4	4	5	4	3	5					35	
371 Garry Brownlee	1	2	2	1	0	1	1	1	0	1	1	2	13	
<b>Totals</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>38</b>	
<b>Average Attendance</b>	<b>27</b>	<b>19</b>	<b>20</b>	<b>39</b>	<b>29</b>	<b>30</b>	<b>22</b>	<b>19</b>	<b>16</b>	<b>28</b>	<b>27</b>	<b>28</b>	<b>24</b>	





*Rural Fire Operations Training*



*March 2014 - Derby Autoaid 2 House Fires*



*We need your help!*



Serve your community! Become a  
*Volunteer Firefighter*

Free Training  
Learn new skills  
Make new friends  
Retirement Annuities

Class Starting in January!

Special interest in people living west of Mulvane or in Peck Area for new Station 2

Men & Women encouraged to apply

Must attend monthly meetings & training

Junior Reserve Program for 14 to 18 year-olds

Satisfaction of helping others in a time of need

Applications available online or at Main Station

For more details: call 777-1351

E-mail: [lester@mes.kscoxmail.com](mailto:lester@mes.kscoxmail.com)

[www.mulvaneemergencyservices.org](http://www.mulvaneemergencyservices.org)



*Mulvane Fire Rescue*



**MULVANE POLICE DEPARTMENT**

**CITY OF MULVANE, KANSAS**

**YEAR END REPORT**

**2014**

**DAVID W. WILLIAMS**

**PUBLIC SAFETY DIRECTOR**



## **MISSION STATEMENT**

The Mulvane Police Department will do everything in its power to provide protection, arrest law-breakers, and to be of service to all citizens within the community in a professional and ethical manner.

This is the basic mission of every member of the Department and it can be realized by:

1. Effective Use of Resources
2. Utilization of Creative Innovation
3. Acquisition of Enhanced Public Safety Technology
4. Acquisition of Community Involvement and Support

## **STATE OF THE DEPARTMENT**

Two officers were hired in 2014 bringing staffing to 14 full-time police officers.

One officer was terminated for cause and one officer left due to medical issues.

Two new dispatchers were hired and trained in house.

## **WORK PROJECTS**

Two new Chevrolet Tahoes were purchased to replace two Impalas. Both were put into service during the spring of 2014.

Fire/EMS Station #2 was completed in March and put into service. One fire truck remains at the station and one ambulance is in operation 24/7. The station is staffed by two paramedics and a supervisor.

A new phone system was purchased and installed for the Police and City Administration. This was funded by the Police Dept.

## **GOALS AND OBJECTIVES**

1. Increase DUI arrests by 5%.

Arrests fell by 50% from 2013 due to extended officer vacancies.

2. Maintain accident rate.

Accidents dropped by 13% from 2013.

3. Budget

The goal is to finish 5-10% under budget. We finished 3% under budget and that money was returned to the general fund.

4. Sick Leave and Overtime

The goal is a 5% drop in both areas. Sick leave rose by 20% and overtime dropped by 12%.

5. Vehicle Maintenance

Maintenance costs fell by 30%. Newer vehicles will reduce the costs.

## STATISTICS

Calls for Service	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	3113	3561	4398	4182	3856	3669	3508	3701	3813	3742

This is a 1% drop from 2013. The casino accounted for 13% of the calls. The ten-year average is 3754 per year.

Cases	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	648	622	836	704	691	633	658	744	773	803

This is a 3% increase over 2013. The ten-year average is 711 per year. The casino accounted for 195 of our cases.

Tickets	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	1284	864	752	733	639	517	623	658	721	719

Unchanged from 2013. The ten-year average is 751 per year.

Warnings	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	884	1381	1327	982	1044	1265	1801	1994	2766	2400

This is a 13% decrease from 2013. The ten-year average is 1594 per year.

DUI	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	71	20	22	18	25	17	15	68	51	25

This is a 50% decrease from 2013. The ten-year average is 33 per year.

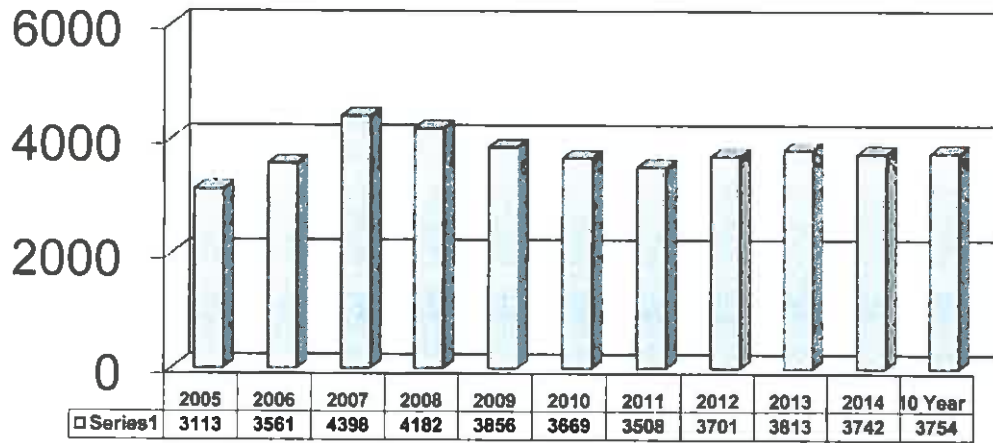
Accidents	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	50	50	54	57	42	52	38	48	65	56

This is a 13% decrease from 2013. The ten-year average is 51 per year.

Arrests	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	314	200	236	224	229	214	213	316	348	390

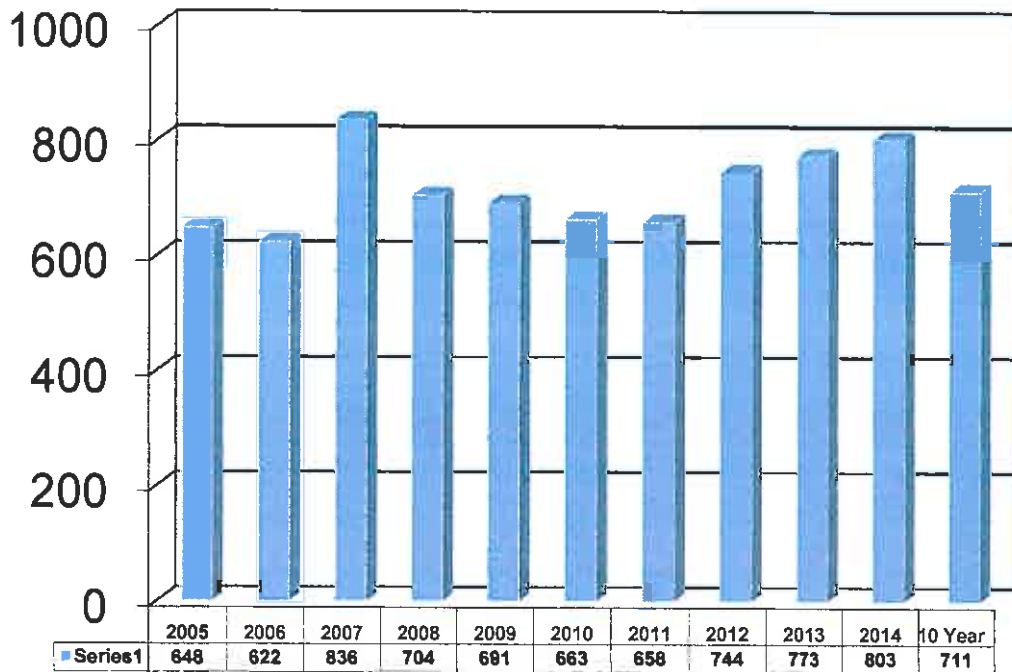
This is a 12% increase from 2013. The ten-year average is 268 per year. The casino accounted for 18% of our arrests.

## CALLS FOR SERVICE



1% Drop From 2013  
The Casino Accounted  
for 13% of the Calls

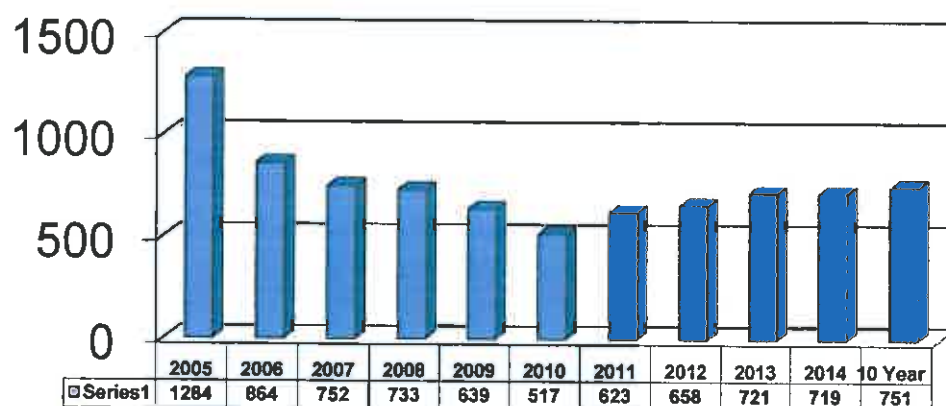
## POLICE CASES



3% Increase From 2013  
The Casino Accounted  
for 195 Cases

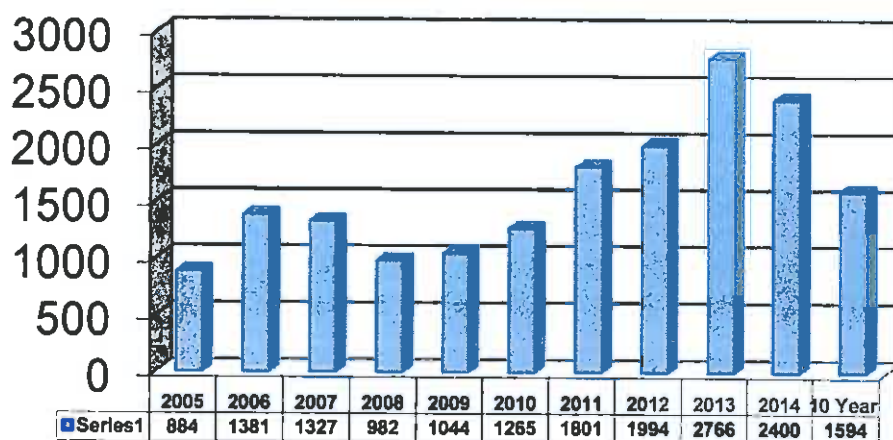


## MOVING CITATIONS



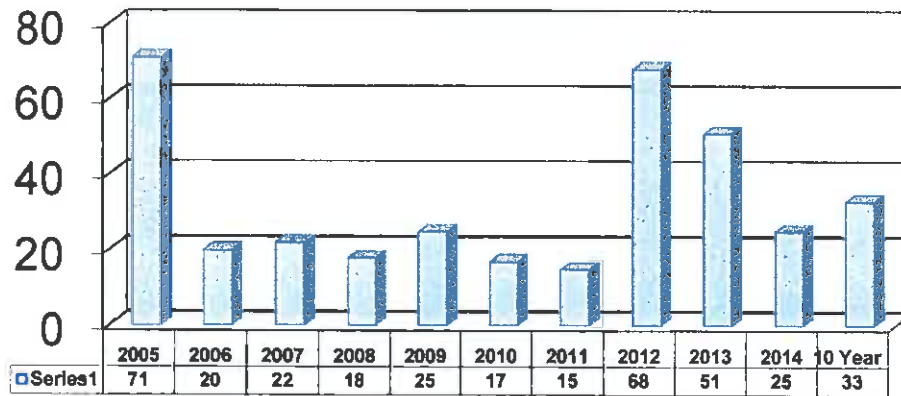
Unchanged from 2013

## WARNING CITATIONS



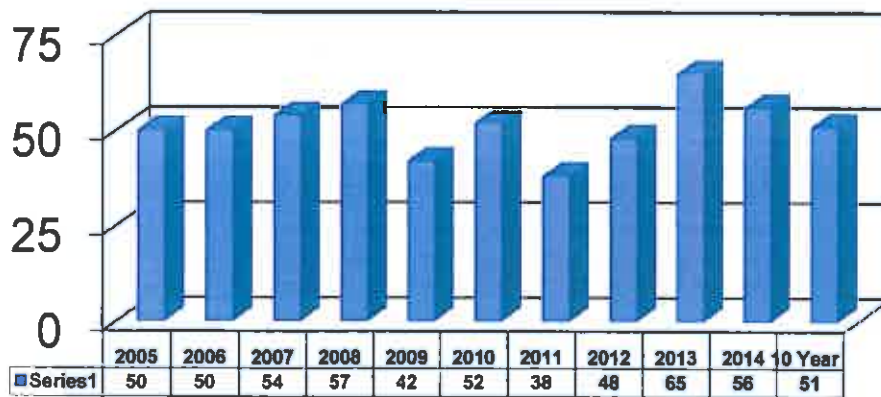
13% Decrease from 2013

## DUI ARRESTS



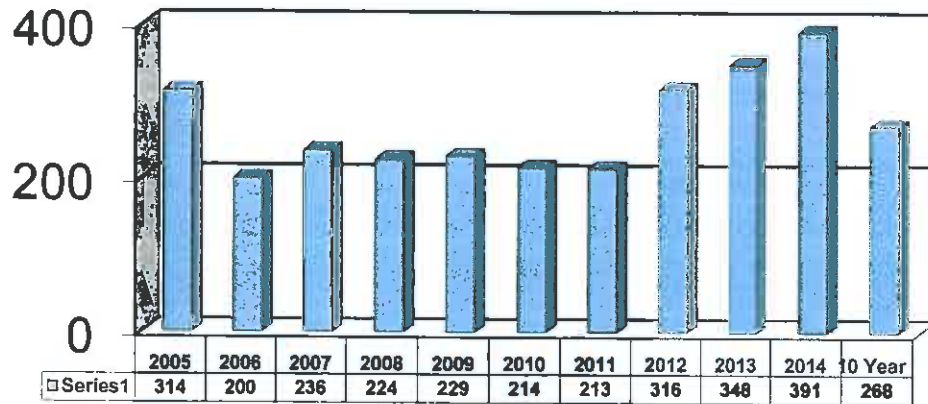
50% Decrease from 2013

## TRAFFIC ACCIDENTS



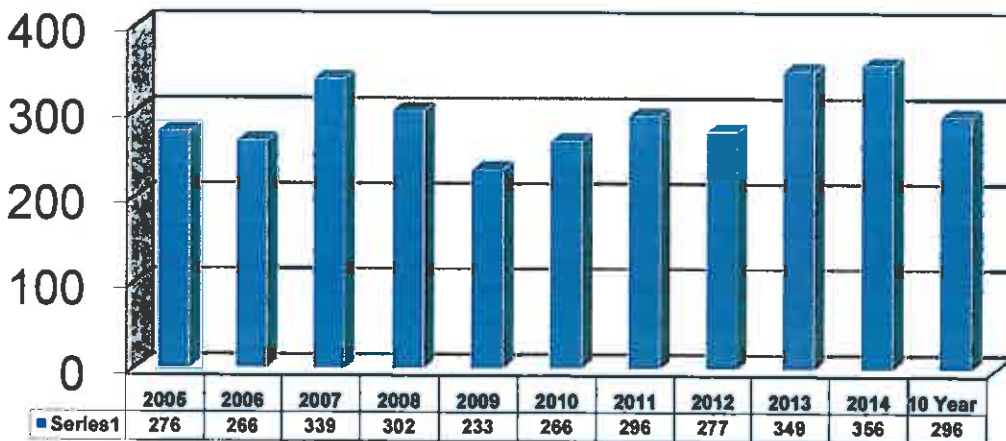
13% Decrease from 2013

## PERSONS ARRESTED



12% Increase from 2013. The Casino Accounted for 18% of the arrests

## CRIMES REPORTED



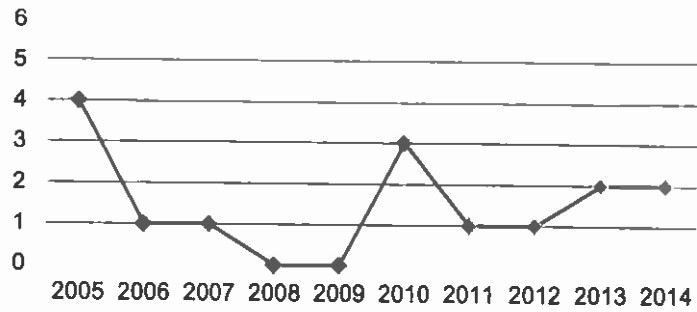
2% Increase over 2013

## CRIMES REPORTED IN MULVANE

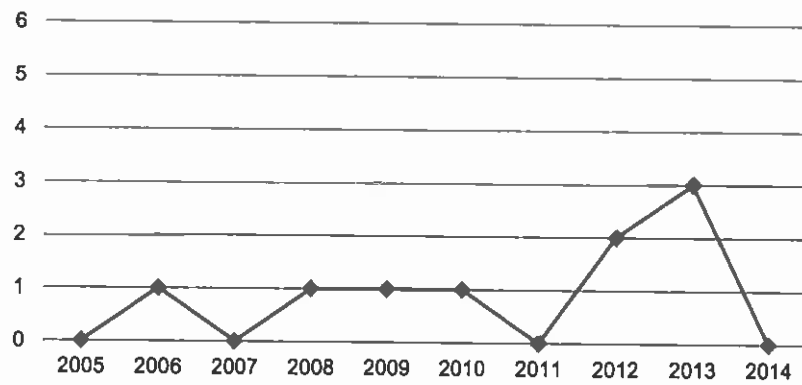
Classification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Murder	0	0	0	0	0	0	0	0	0	0
Rape	4	1	1	0	0	3	1	1	2	2
Robbery	0	1	0	1	1	1	0	2	3	0
Agg. Asslt.	7	0	3	2	5	5	1	3	4	2
Res. Burg.	11	7	18	11	9	12	13	17	9	6
NR Burg.	4	3	10	9	10	6	9	2	5	5
Larceny	93	131	165	127	97	98	107	106	142	135
Auto Theft	2	0	0	1	2	0	2	11	6	2
Misd. Asslt.	49	41	39	34	29	49	48	36	37	47
Vandalism	53	67	71	65	40	65	63	33	27	43
Dis.Conduct	17	8	4	11	10	10	19	7	15	12
Drug Viol.	18	6	23	32	21	5	23	48	73	91
Liquor Viol.	17	1	5	8	9	12	9	11	13	10
Arson	1	0	0	1	0	0	1	2	1	1
<b>TOTALS</b>	<b>276</b>	<b>266</b>	<b>339</b>	<b>302</b>	<b>233</b>	<b>266</b>	<b>296</b>	<b>277</b>	<b>349</b>	<b>356</b>

This is a 2% increase over 2013. The ten-year average is 296 per year.

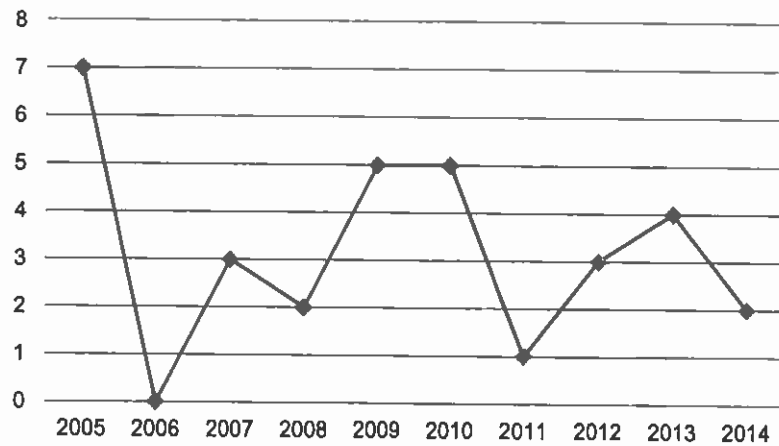
### RAPE

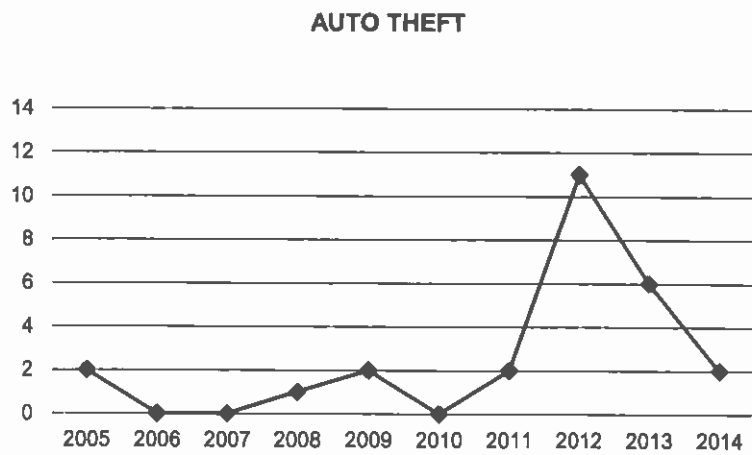
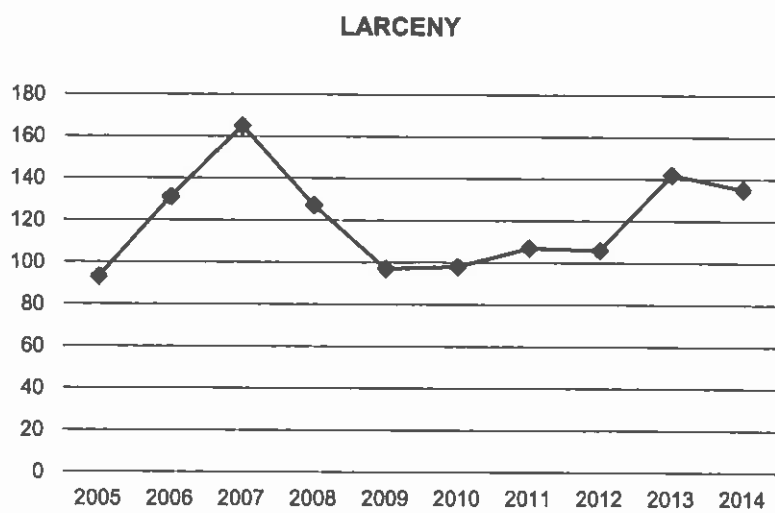
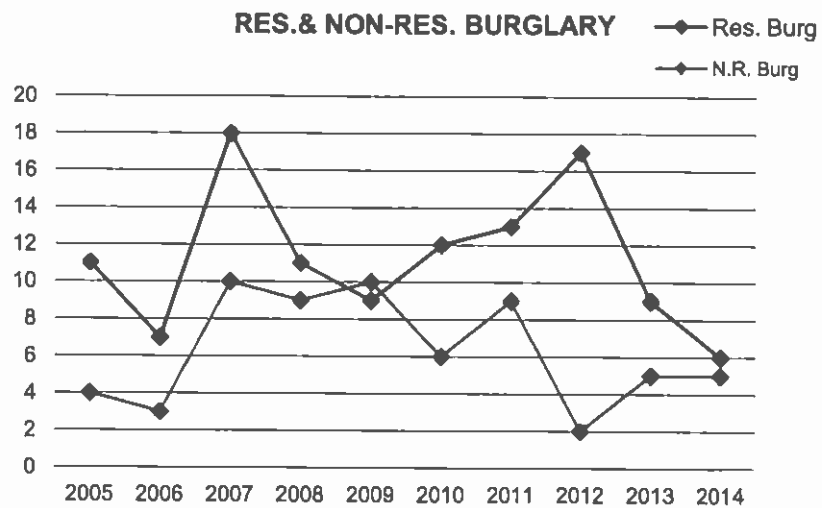


### ROBBERY

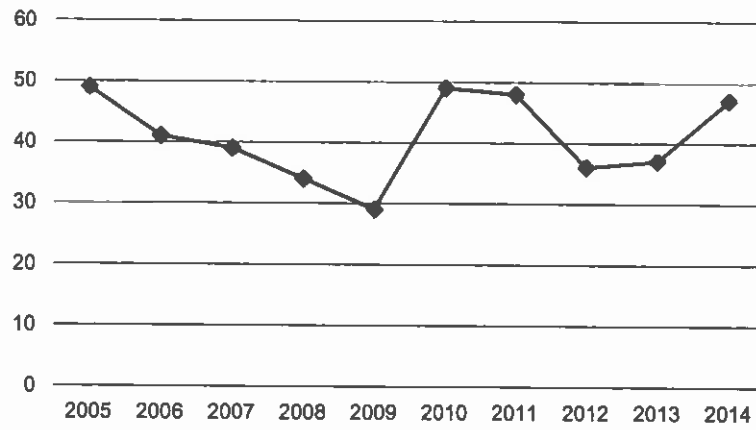


### AGG. ASSAULT

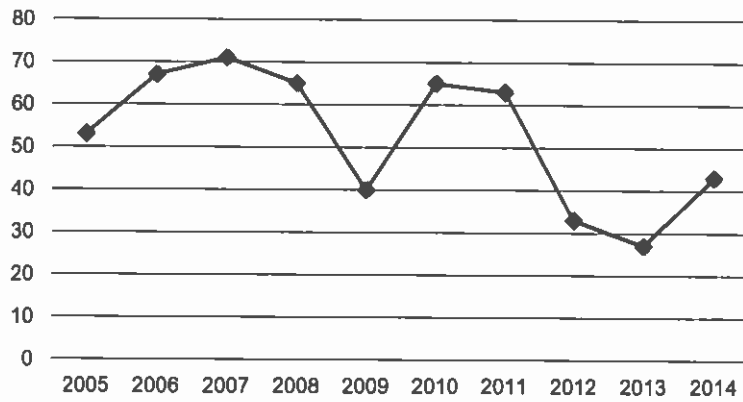




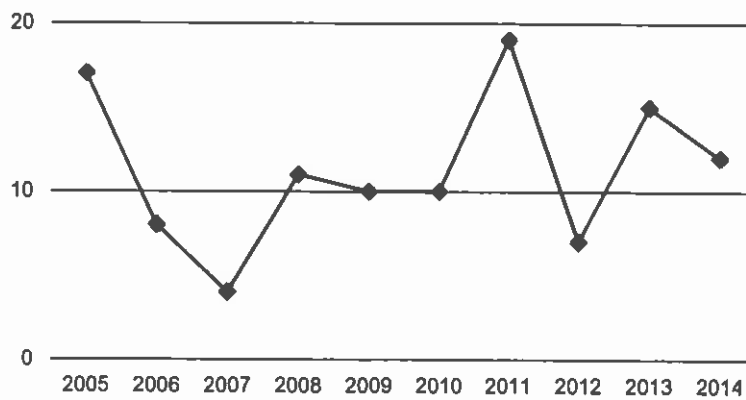
### MISD. ASSAULT



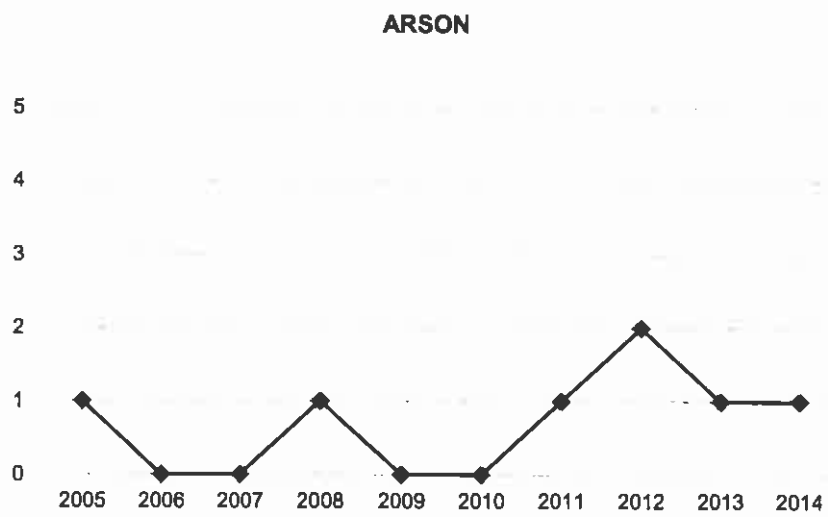
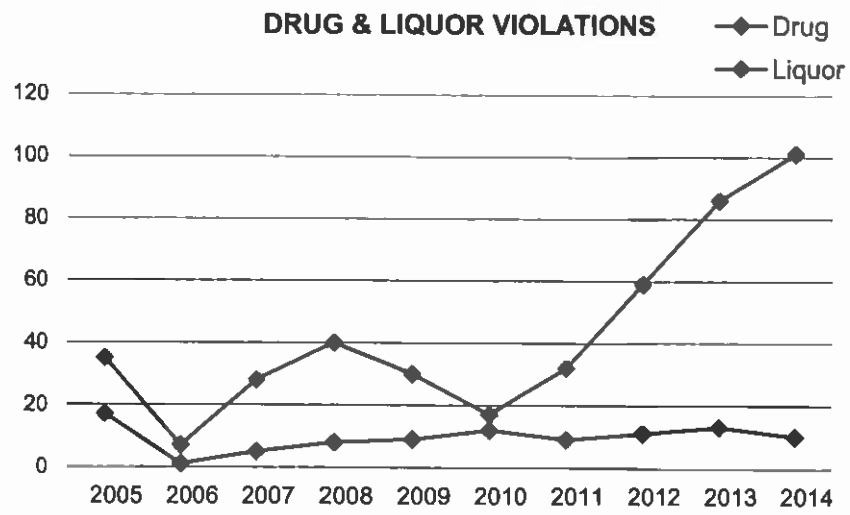
### VANDALISM



### DISORDERLY CONDUCT







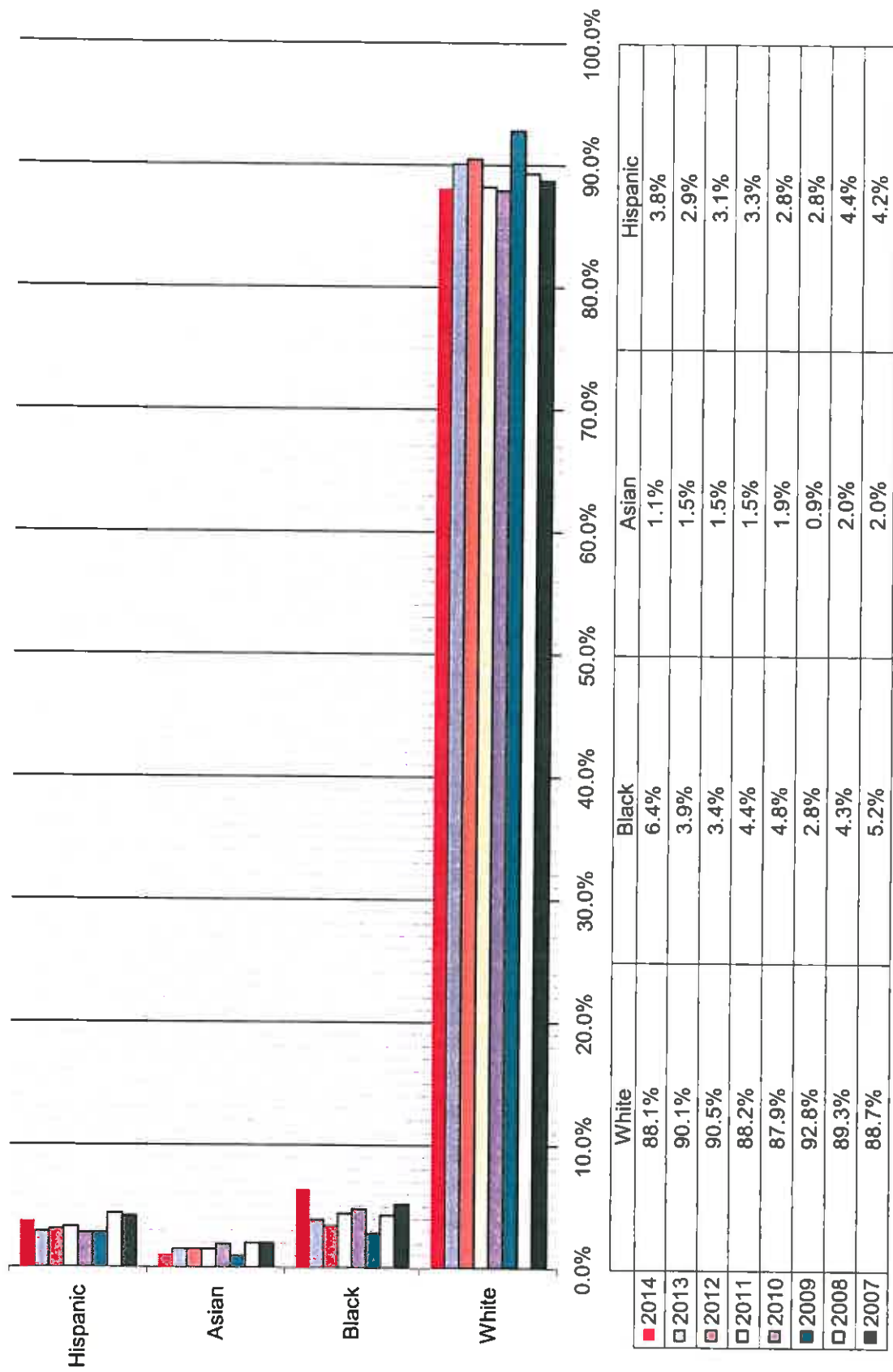
## **BIASED BASED POLICING**

The Mulvane Police Department tracks whom they wrote moving and warning tickets. The Mulvane Police Department does not and will not tolerate any bias against any race, sex, or creed.

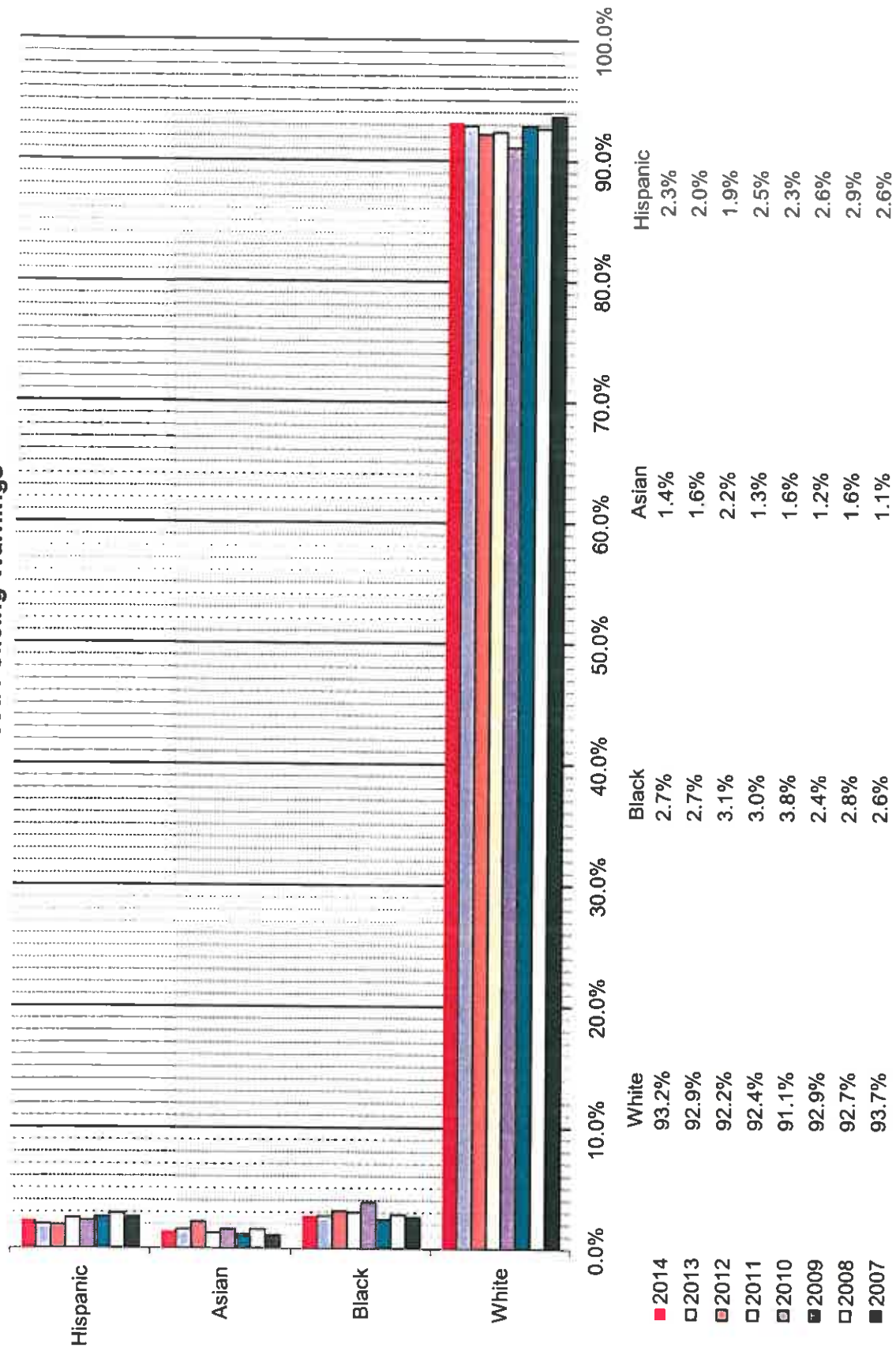
Tickets	White	Black	Hispanic	Asian
2007	88.7%	5.2%	4.2%	2.0%
2008	89.3%	4.3%	4.4%	2.0%
2009	92.8%	2.8%	2.8%	0.9%
2010	87.9%	4.8%	2.8%	1.9%
2011	88.2%	4.4%	3.3%	1.5%
2012	90.5%	3.4%	3.1%	1.5%
2013	90.1%	3.9%	2.9%	1.5%
2014	88.1%	6.4%	3.8%	1.1%

Warnings	White	Black	Hispanic	Asian
2007	93.7%	2.6%	2.6%	1.1%
2008	92.7%	2.8%	2.9%	1.6%
2009	92.9%	2.4%	2.6%	1.2%
2010	91.1%	3.8%	2.3%	1.6%
2011	92.4%	3.0%	2.5%	1.3%
2012	92.2%	3.1%	1.9%	2.2%
2013	92.9%	2.7%	2.0%	1.6%
2014	93.2%	2.7%	2.3%	1.4%

## Biased Based Policing -Tickets



# Biased Based Policing-Warnings



## **OVERTIME – SICK LEAVE**

The Department switched to a 4-day work week in 1996. We again switched to a 12-hour shift schedule in 2012 to accommodate the casino workload.

Year	Overtime (hours)	Sick Leave (hours)
1995	1411	691
1996	818	812
1997	1267	599
1998	898	952
1999	763	920
2000	878	511
2001	920	601
2002	907	910
2003	1069	1434
2004	863	947
2005	1022	1066
2006	793	858
2007	960	910
2008	1162	1124
2009	983	823
2010	795	1186
2011	781	1580
2012	1088	1250
2013	977	1028
2014	857	1236
20 yr. Avg.	960	971

## CUSTOMER SERVICE

The Department randomly contacts citizens who have had contact with us over the year. Whether as a victim, witness, or someone who even received a traffic ticket, we strive to treat our citizens with respect and it shows.

Year	Contacts	Satisfied	Unsatisfied	% Approval
1996	66	64	2	96.9%
1997	58	56	2	96.5%
1998	84	82	2	97.6%
1999	91	89	2	97.8%
2000	92	91	1	98.9%
2001	87	86	1	98.9%
2002	87	85	2	97.7%
2003	103	101	2 neutrals	98.0%
2004	93	92	1	98.9%
2005	90	90	0	100.0%
2006	99	99	0	100.0%
2007	96	95	1	98.9%
2008	97	96	1 neutral	98.9%
2009	100	100	0	100.0%
2010	98	98	0	100.0%
2011	96	95	1	98.9%
2012	97	96	1	98.9%
2013	99	98	1	98.9%
2014	99	98	1	98.9%
Total	1732	1711	21	98.8%



## **CONCLUSION**

With the Department being down two officers for about 4 months, all others including dispatch stepped up their game and continued to give our citizens excellent service.

The Fire/EMS Station #2 finally opened in March of 2014. We hired 16 full-time paramedics and ran two ambulances 24/7. Towards the end of the year, we assessed the usage of Station #2 and cut back that service to one 12-hour shift per day.

On behalf of the members of the Police, Fire, and EMS Departments, I would like to thank the city council, mayor, and city administrator for your continued support.

David W. Williams  
Public Safety Director



# *2014 Year End Report*

*Kendra I Walls*

*Parks Superintendent*



**Parks Department 2014:**

Total Man Hours	5280
Office Work Hours	840
Street & Highway Mowing Hours	1085
Parks Employee's Sick Leave	181.00
Trees Removed	18



Maintain City Hall Grounds

Maintain Library Grounds

Maintain Grounds at Both the Power plant and Sewer plant

Maintain Grounds at East Water Reservoir

Maintain Grounds at Quad County Manor

Ice and snow removal at City Hall, the Library, and the EMS building. Ice and snow removal on city sidewalks from Filmore Street to the Baptist Church, the Library to 4<sup>th</sup> & Main Street, Ridgecrest to the High School, Plaza Lane to Sunset, Country Walk to the High School, and Quad County Manor.

Mow and Keep clean all the water ways to the Arkansas River

Mow over 62 miles of roadway each week

Set up Main Street Park and the band shell for Old Settler's Weekend

Water and maintain flowers downtown

Help hang flags for all occasions

Weed eat K-15 from city limits to city limits

Help hang Christmas lights on Main Street, Second Street, Rock Road and K-15

Pick up Commodities from Wichita and Deliver to the Senior Center

Fertilizer: \$1,275.62

Maintenance and Repair Cost, Equipment, Vehicle, Fuel \$38,799.34

**New Purchases in 2014:**

Weed Eaters and New Chain Saw

**Sport Complex 2014:**

Total Man Hours	3520
Total Sick Leave Hours	159

Fertilizer and Turf ace Cost \$ 8,689.10

Maintenance and Repair Cost

Build, Equipment, Vehicle, Fuel \$ 13,999.55

**New Purchases in 2014:**

New Weed Eater and Edger

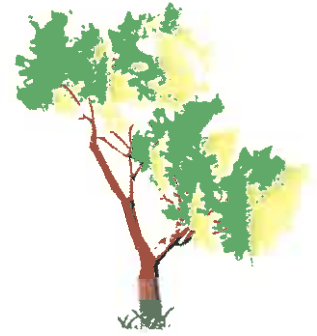
Three Sprinkler Control boxes

New Well Pump

Planted the two South Soccer Fields to Bermuda.

New Merry-go-round

# *Parks Department's Summary for 2014*



**January** – Removed Christmas lights and painted the restrooms and the concession stand at the Sports Complex. We serviced all the mowers and weed-edgers for the upcoming mowing season. In addition, we rebuilt and repainted picnic tables. We removed snow and ice throughout the month. We rented a stump grinder to grind out all the tree stumps from the trees we cut this season.

**February** – Completed the repairs and finished painting the picnic tables from January. We cleaned the gutters at the Main Street Park band shell, and began to pick up trash along our mowing routes. The Sports Complex crew put down red shale on the ball fields, as well as, continuing to remove snow and ice throughout the City.

**March** – Opened the Sports Complex and began preparation for the upcoming ball games, such as, mowing, edging, and finishing the application of the shale. Painted all of the bridges in the parks.

**April** – We began mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. Pruned trees and took the bleachers to the High school for prom.

**May** – Prepared the parks for numerous reunions. Watered and pruned the trees throughout the City. We continued mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. We assisted setting up the pool for the season. We watered the flowers Downtown. High School students did a community project and painted all the bridges in the parks green.

**June** – Picked up commodities for the Senior Center. The Parks Department continued mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. Pruned trees and watered the flowers Downtown.

**July** – Setup for the 4<sup>th</sup> of July at the Sports Complex. Worked the ball fields and worked on the waterlines at the Sports Complex. We continued mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. In addition to mowing we pruned trees and water the flowers Downtown. We cleaned out the fountain at Cobb Park. We also picked up food for the Senior Center.

**August** – With this being the Old Settler's Celebration month, we began by mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. Watered the flowers downtown, and prepared downtown for Old Settler's. We cleaned up after Old Settler's.

**September** – The crew at the Sports Complex prepared the fields for football, soccer, and slow pitch. They also over seeded the complex. We continued mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. We pruned trees.

**October** – Cut down dead pine trees throughout the City. Worked the ball fields. We continued mowing the parks, street canals, City Hall, the EMS, the Library, Quad County Manor, Chamber of Commerce Park, and the Sports Complex. Pruned trees and rebuilt the bridges in English Park.

**November** – Winterized the Sports Complex, Main Street Park, and all of the Park's equipment. Collected picnic tables to paint and repair. Collected supplies for the picnic table repairs. Fixed Christmas lights and hung them throughout the City. Raked leaves at City Hall and the Library. Watered new trees and plants at the EMS building daily. Completed safety meetings.

**December** – Picked up supplies to fix the benches in the downtown area. Began repainting and rebuilding picnic tables. We assisted the EMS with the Toys for Tots drive. Pick up food for the Senior Center. Worked in the shop on equipment. Checked parks on a daily basis for damage and trash. Also checked the Christmas lights daily.

# CITY OF MULVANE PARKS AND EQUIPMENT

## OLD MAIN STREET PARK-1.1 ACRES

Band Shell, Playground Equipment, Restrooms, Picnic Tables, and two Barbeque Grills

## RALPH BELL PARK- 5.9 ACRES

Picnic Tables, two sets of Playground Equipment, Barbeque Grills, three Basketball Courts, Tennis Courts, Horseshoe Pits and Port o Pots, Skate Board Park

## FAIRCHILD PARK -3.2 ACRES

Two Softball Fields

## SPORTS COMPLEX-39 ACRES

Two lighted Softball Fields, one lighted Baseball Field, two lighted T-Ball Fields, five soccer Fields, Restrooms, Concession Stand, Playground Equipment, and Fishing Pond

## ENGLISH PARK -7.3 ACRES

Shelter House, two Sand Volleyball Courts, Barbeque Grills, two Basketball Courts, Playground Equipment, Walking Path, and Benches, Fire truck, Little Digger

## NORTH VIEW NEIGHBORHOOD PARK -1 ACRE

Playground Equipment, Picnic Tables, Satellite Climber

## ROCKWOOD NEIGHBORHOOD PARK-.62 ACRES

Playground Equipment, Picnic Tables, Satellite Climber, Little Digger, Dino Dig

## SETTLERS PARK- .43 ACRES

Playground Equipment, Basketball Court, Picnic Tables, Maypole

## TRAIL RIDGE NEIGHBORHOOD PARK- .75 ACRES

Playground Equipment, Picnic Tables, Tunnel slide, 6ft Merry Go Round

## COLLIER PARK- .33 ACRES

Playground Equipment, Picnic Tables

## WILLOWDELL PARK – 2.4 ACRES

Horseshoe Pits and Picnic Tables

## CHAMBER OF COMMERCE PARK - .25 ACRES

Park Benches and Walk Thru

## HAZEL CRAIG PARK- .75 ACRES

Playground Equipment and Picnic Tables, School bus, Satellite Climber

## COBB PARK -.75 ACRES

Fountain, Benches and Museums

## 103RD STREET PARK- 4 ACRES

Yet to be named and unfinished

## CARSON PARK – 1.5 ACRES

Twin Lake Area, Playground Equipment and Picnic Table, 8ft Merry Go Round





## *Mulvane Parks Department 2014 Expenses for School District and Mulvane Rec Commission*

- Prepared the ball fields and restrooms for all practices and games
- Prepared and set up for the Boys and Girls High School soccer games ( Spring & Fall)

## *Mulvane Parks Department 2013 Tree Maintenance Program*

- |                     |    |
|---------------------|----|
| • Trees Maintenance | 30 |
| • Trees Removed     | 18 |



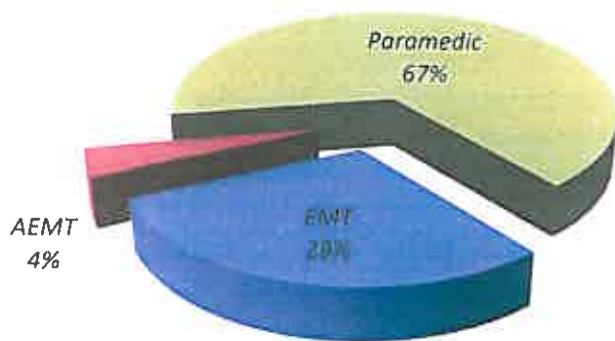


# Mulvane EMS



***Year-end Report  
2014***

## ***Certification Levels 2014***



## ***Personnel***

EMS is a combination of full time, part time, and volunteer personnel with different levels of certification.

In 2014 eight more new full time employees were added to staff the new Station #2. The call volume at the new station did not support 24 hour coverage, so through attrition four positions will not be filled.

Mulvane is licensed with the State of Kansas as a Type 2A service. This licensure

allows us to provide BLS (Basic Life Support) and ALS (Advanced Life Support) care. It requires a minimum of an Emergency Medical Responder and an Emergency Medical Technician to be on the ambulance when transporting. A brief definition of the levels of certifications follows:

- EMR (Emergency Medical Responder) Assist other levels of care.
- EMT (Emergency Medical Technician) – Provides Basic Life Support
- AEMT (Advanced Emergency Medical Technician) – Provides minimal Advanced Life Support by administering limited medications and monitoring EKG.
- Paramedics – Provides Advanced Life Support by administering medications and monitoring EKG.

Mulvane is fortunate that three of our medics are State certified Training Officers and one holds an Instructor Coordinator certification. This offers a variety of instructors to assist Lt. Lamm with providing classes to maintain skills and certifications.

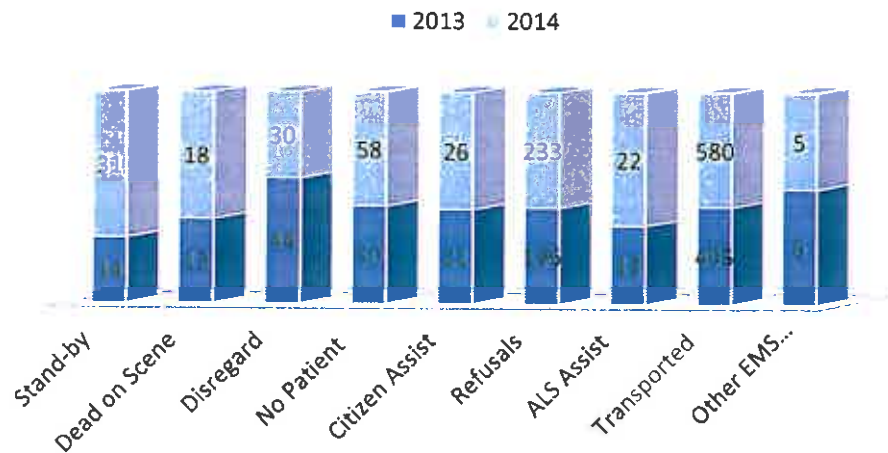
The many levels of experience our technicians offer is beginning to blend into complementing crews. The techs with 20+ years of experience paired with a new medic affords the best of both worlds as one has the knowledge of dealing with the different signs and symptoms as well as the public and the other has all of the new knowledge of medications and techniques. We learn from each other.

## ***Levels of Care***

994 patients received a paramedic evaluation.

9 received care from an EMT. (This is due to second or third-out calls.)

## Outcome



Following is a brief explanation:

Stand-by – rodeos, gun shoot, football games, arena events, road races, and fires

Dead on Scene – signs of obvious death evident or care provided unsuccessful

Disregard – determined not needed by Duty Officer or requesting agency

No Patient Found – good intent calls

Citizen Assist – provided lifting assistance

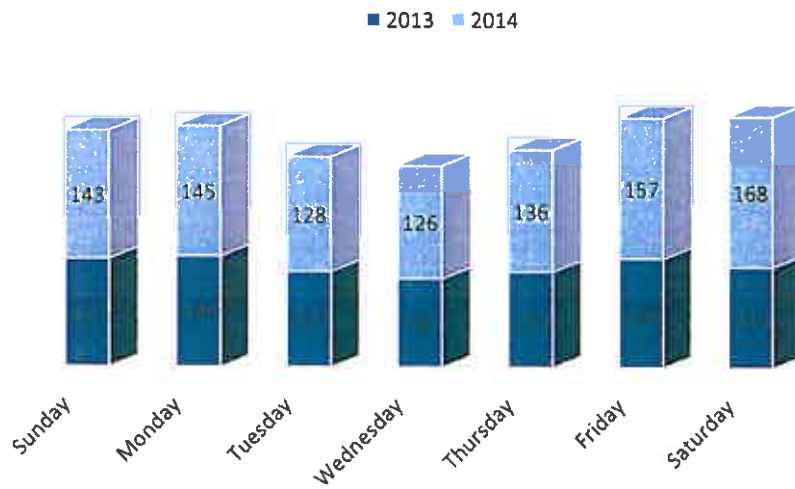
Refusals – patient decided to not go by ambulance

ALS Assist – paramedic provided care on Belle Plaine EMS

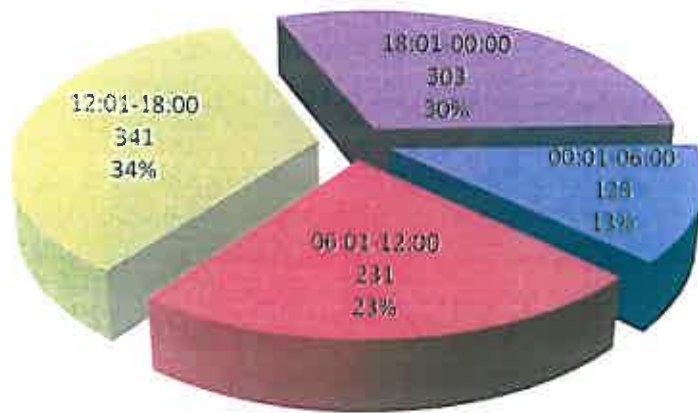
Transported – patient went to hospital

Other transport – another service provided transport

## Day of Week

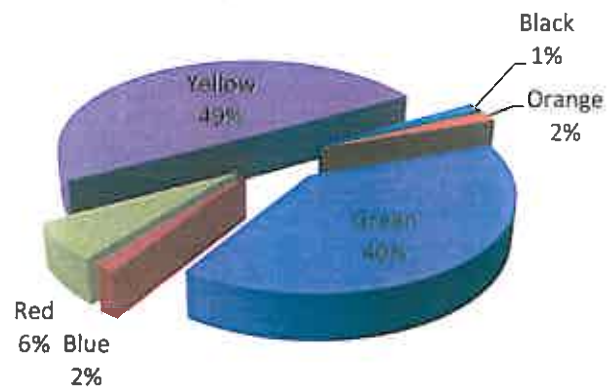


## Time of Day



35 total training classes were held offering 88 hours for re-certification.

## Triage Codes



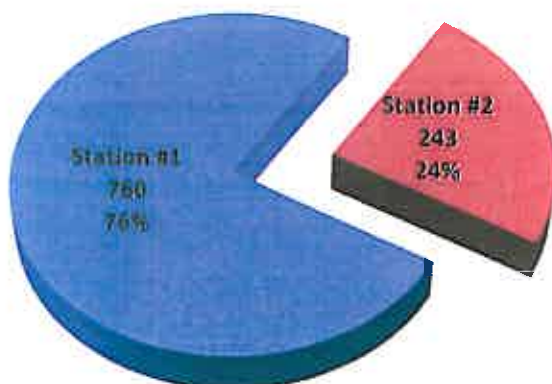
23 CPR Classes Held

13 Healthcare Provider Classes

10 Heartsaver Classes

16 Department Members trained

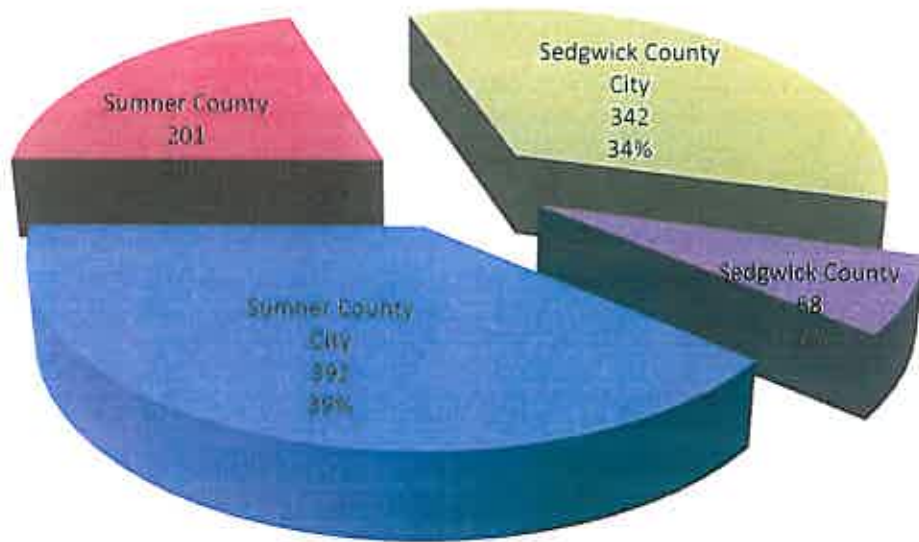
## Station Response



Individual crew trainings began. These are meant to maintain skill levels and develop partner mentalities.



## Area Responses



The charts written increased by 150 this year as is shown in the chart below. The red numbers indicate the highest response for that month. 2014 broke several records with only four months that didn't go over the previous records.

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
January	51	31	43	49	62	60	35	45	72	76	53	57	53	81	90
February	45	50	42	42	45	58	42	54	67	57	66	54	67	47	76
March	51	37	58	32	46	39	46	61	60	66	65	63	62	69	100
April	50	54	51	40	50	54	58	56	56	53	61	62	80	60	80
May	50	40	49	51	77	43	65	53	65	68	72	64	78	61	88
June	42	48	39	54	53	51	52	40	55	76	66	51	57	66	56
July	45	46	53	60	50	37	50	42	58	59	78	60	52	59	96
August	55	68	59	59	53	50	65	84	60	77	65	91	72	86	116
September	47	44	52	59	52	40	43	61	56	55	59	56	71	80	74
October	39	43	37	66	53	44	51	67	67	68	61	61	65	76	77
November	32	48	40	31	52	51	53	74	56	61	61	69	63	74	82
December	56	56	51	51	52	42	46	70	71	71	55	51	73	94	68
Total	563	565	574	594	645	569	606	707	743	787	762	739	793	853	1003

## Medical Catagories

<i>Abdominal Pain</i>	49	3.2%	<i>Heat/Cold Exposure</i>	9	0.4%
<i>Allergies</i>	6	1.0%	<i>Hemorrhage/Laceration</i>	2	1.3%
<i>Animal Bite</i>	2	0.4%	<i>Ingestion/Poisoning</i>	116	0.1%
<i>Assault</i>	8	1.1%	<i>Other</i>	12	3.8%
<i>Back Pain</i>	10	0.8%	<i>Overdose</i>	2	1.4%
<i>Burns</i>	2	0.4%	<i>Overdose (accidental)</i>	17	0.3%
<i>CO Poisoning</i>	10	0.1%	<i>Pain</i>	3	0.8%
<i>Cardiac Arrest</i>	85	1.1%	<i>Pregnancy/Childbirth</i>	2	0.3%
<i>Chest Pain</i>	3	7.4%	<i>Psychiatric Problems</i>	25	5.0%
<i>Choking</i>	30	0.6%	<i>Respiratory Arrest</i>	1	0.3%
<i>Citizen Assist</i>	7	1.5%	<i>Respiratory Distress</i>	76	6.6%
<i>Code Black/DOA</i>	3	0.8%	<i>Sick Person</i>	115	13.4%
<i>Congestive Heart Failure</i>	26	0.3%	<i>Stab/Gunshot Wound</i>	0	0.3%
<i>Convulsions/Seizures</i>	18	3.3%	<i>Stand-by (Event)</i>	30	2.1%
<i>Diabetic Problem</i>	2	2.8%	<i>Stand-by (Fire Rehab)</i>	2	0.6%
<i>Electrocution</i>	79	0.1%	<i>Stroke/CVA</i>	17	2.1%
<i>Fall Victim</i>	7	10.0%	<i>Traffic Accident</i>	116	13.2%
<i>Headache</i>	18	0.4%	<i>Traumatic Injury</i>	34	6.1%
<i>Heart Problems</i>	5	0.9%	<i>Unconscious/Fainting</i>	50	5.9%



Sometimes there is time for fun! Saying so long to Patrick who left to hike the Appalacian Trail.

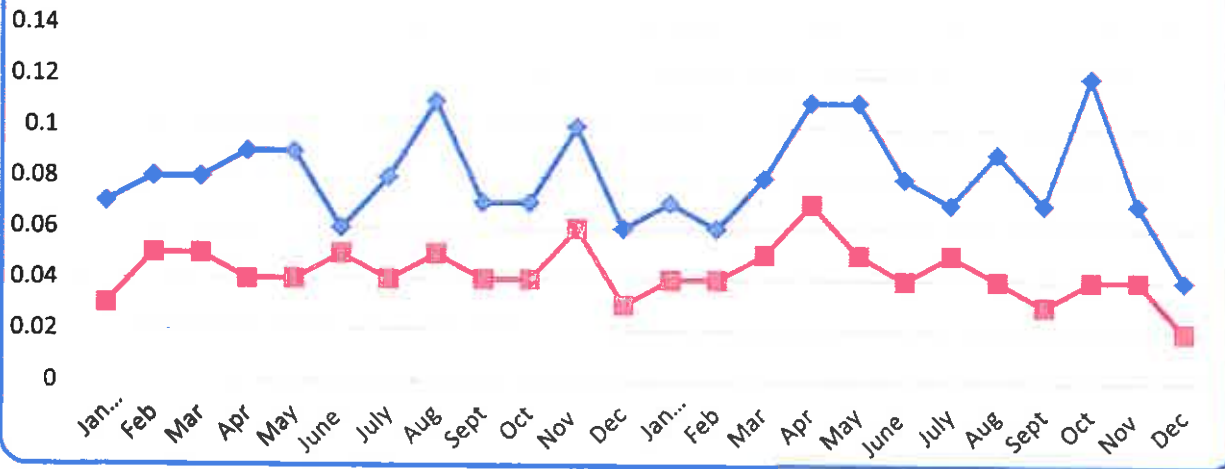
**Grants** – applied for the AFG grant requesting radios and pagers, and a Zoll X-series monitor was requested from the KRAF grant.

**Cost** – the cost for the service was \$583,876.54 or \$579.56 per call.

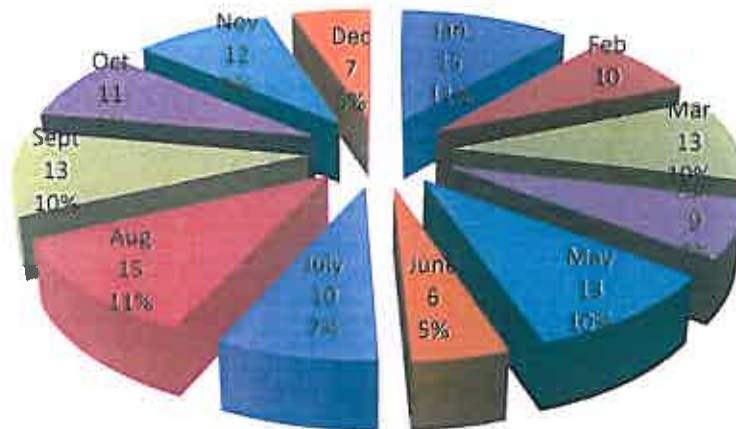
**Station #2 opened in March**



## Utilization



## Casino Responses



## **Crew Response**

<i>Andrews, John</i>	44	<i>Kunc, Gary</i>	5
<i>Ashlock, John</i>	55	<i>Lamm, Shawn</i>	145
<i>Blankenship, Amber</i>	88	<i>Landers, Kim</i>	42
<i>Borrry, Jennifer</i>	24	<i>Love, Jennifer</i>	138
<i>Bowker, Jason</i>	2	<i>Mattson, Aaron</i>	88
<i>Bumgarner, Merle</i>	14	<i>Maugans, Chad</i>	16
<i>Crocker, Jeremy</i>	1	<i>McDaniel, Jim</i>	19
<i>Dutcher, Darrell</i>	0	<i>McDaniel, Joe</i>	55
<i>Ester, Lowell</i>	71	<i>Morgan, Dustyn</i>	67
<i>Fells, Mike</i>	59	<i>Mundell, Jason</i>	48
<i>Fuller, Jesse</i>	70	<i>Nolan, Chris</i>	1
<i>Gasaway, Kyle</i>	3	<i>Patterson, Judi</i>	112
<i>Gatschet, Angela</i>	131	<i>Perez, Martin</i>	1
<i>Gayer, Gary</i>	118	<i>Ponce, Gabe</i>	75
<i>Harp, Francine</i>	79	<i>Rivera, Luke</i>	105
<i>Hatfield, Caleb</i>	2	<i>Ryan, Nick</i>	7
<i>Hatfield, Doug</i>	4	<i>Sanchez, Mike</i>	139
<i>Heersche, Fred</i>	143	<i>Sellers, Patrick</i>	38
<i>Hull, Kerry</i>	133	<i>Stoll, Kevin</i>	150
<i>Humphrey, Kay</i>	131	<i>Tripp, Veronica</i>	91
<i>Juarez, Heron</i>	124	<i>Vandeest, Cody</i>	16
<i>Julius, Jessica</i>	17	<i>Whitehead, Jessica</i>	86
<i>Julius, Trent</i>	1	<i>Yarnell, Nathan</i>	5
<i>Kimble, Robert</i>	24	<i>Zorn, Ashley</i>	128

## **Quality Assurance**

Quarterly Quality Assurance meetings were held with Dr. Carro and Dr. Comer to assure the patient's received proper care and treatment.

As part of the QA process surveys are sent to every fifth patient, code red patients, any call with a crew complaint, or any call with a patient complaint. The crews do receive a copy of these so can monitor how the patient's feel about their care and interaction.

## **Toys for Kids**

Thirty families with eighty-five kids were assisted in 2014. We were able to provide each family with a turkey, 10 pounds of potatoes, and hot rolls. The Middle school collected money and food which turned into a nice food box for each family.

Many fund-raising events were held by individuals and groups in support of this program. The Angel Tree was empty of any angels at the end. Once again, the community, school, and business support was outstanding and heartwarming.

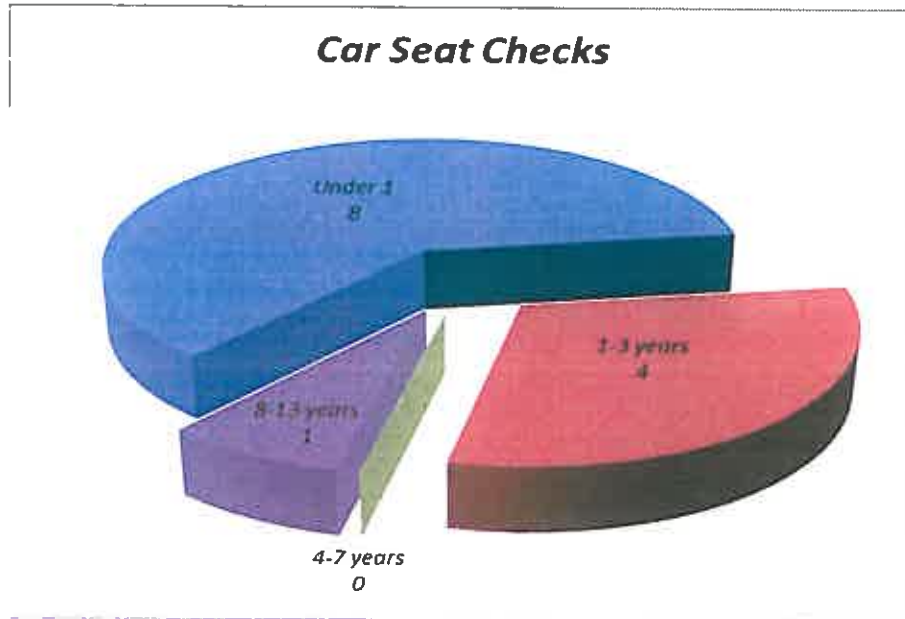


## ***Community Outreach***

The goal of Community Outreach is to inform and educate the community and visitors we serve. An added benefit to this program is the growth of a trusting relationship by familiarizing the faces of the medics who care for them. To help facilitate this mission we do partner with other community groups and organizations that share similar goals.

2014 was the first full year for this program. Following are some of the programs provided:

- Mulvane Senior Center - Hands only CPR, Diabetes, Elderly Home Safety, and EMS Familiarization.
- Mulvane Recreation Center – CPR and First Aid Training for the staff, assisted with the purchase of an AED, taught bicycle safety and handed out helmets at the OK Kids Day.
- Learn and Grow - CPR and First Aid Training for the staff and the Silly Sounds and Goofy Gear program. They allowed us the use of a portable ramp to make our First Aid tent hand-cap accessible at Old Settler's.
- Quad County – Red Pack presentation (Medical information packet) and EMS Familiarization.
- Girl Scouts – Assisted with gaining their First Aid Badge and provided CPR training to a troop before travelling to Kansas City.
- Mulvane School District #263 – Assisted with Sports Physicals twice during the year, attended the annual health fair, and ate lunch with the kindergartners.
- Mulvane Catholic Church – EMS Familiarization and changes in Healthcare lecture given.
- General Community – 20 classes were taught training 60 people. Currently the charge for these classes is \$30.00 per person which is on an average \$25 less than other area agencies. These monies are used to support the cost of the books, cards, and manikins.
- Car Seat Safety is an important part of this program, and one that we would like to grow. At present Kevin is the only one certified to provide this service. We anticipate sending at least four more in an attempt to always have someone available. Kevin assisted with recalls five times and provided one car seat. The chart represents the age groups of the children that received car seat installations.



Another goal is to provide this program at a minimal cost to the citizens. Paramedic Kevin Stoll is the program coordinator and has applied and received these items from grants:

- Kansas Traffic Safety Resource Center granted car seats to provide or replace seats for low income families.
- The Diabetic Association provided class sized books for use in instructing about diabetes and healthy eating habits.
- Kansas Traffic Safety Resource Center provided coloring books.
- Safe Kids Coalition of Cowley County provided bicycle helmets for bicycle safety programs.

We feel this is an important program and will continue to grow these educational and interactive opportunities.

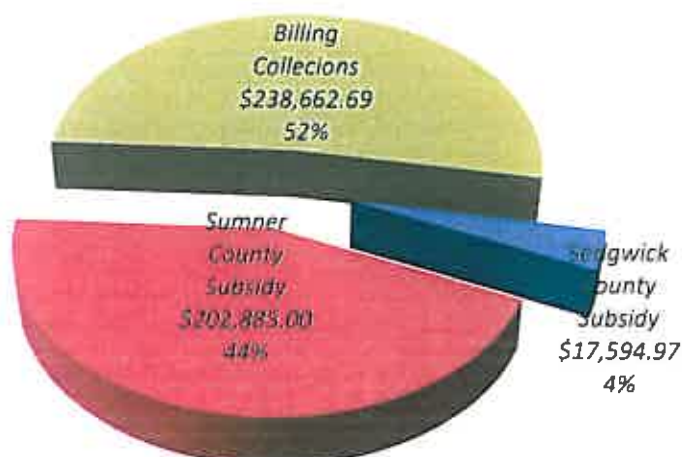
## Billing 2014



Billable charts increased from 439 to 617 (an increase of 178). 73 were sent to the set-off program leaving 100 charts left to collect.

Month	2013 Billed	2013 Collected	2013 Write-off	2014 Billed	2014 Collected	2014 Write-off
January	\$36,140.00	\$15,637.38	\$8,236.27	\$36,477.00	\$13,691.51	\$9,770.72
February	\$18,616.00	\$19,615.86	\$3,311.67	\$32,174.00	\$20,248.60	\$7,288.69
March	\$19,442.00	\$21,688.72	\$3,237.58	\$38,493.00	\$25,119.47	\$7,385.95
April	\$27,393.00	\$6,222.01	\$5,701.89	\$25,649.00	\$18,469.39	\$6,278.67
May	\$26,413.00	\$28,570.71	\$7,121.81	\$34,741.00	\$14,540.27	\$6,466.26
June	\$23,297.00	\$14,391.10	\$6,451.09	\$18,471.00	\$23,844.94	\$3,835.73
July	\$29,821.00	\$16,735.86	\$5,874.70	\$42,956.00	\$19,713.13	\$8,651.38
August	\$33,208.00	\$14,356.17	\$6,450.66	\$43,046.00	\$25,064.64	\$6,977.43
September	\$30,019.00	\$22,308.05	\$6,183.40	\$32,133.00	\$22,800.94	\$5,356.18
October	\$32,589.00	\$18,159.37	\$7,383.95	\$26,903.00	\$19,672.25	\$3,966.52
November	\$24,434.00	\$14,971.38	\$6,367.18	\$32,193.00	\$18,387.60	\$4,594.19
December	\$32,315.00	\$17,257.23	\$6,478.35	\$31,433.00	\$17,109.96	\$162.99
Total	\$333,687.00	\$209,913.84	\$72,798.55	\$394,669.00	\$238,662.70	\$70,734.71

## Collection Breakdown





## Summary

The year was a very busy one. It began with the hiring and training of eight more medics. It moved right into setting up and opening Station #2. This proved interesting at times solving problems that arose from running out of two stations, but most times common sense prevailed. Also, the second station relieved the need for the firefighters to give their time responding to and handling second-out calls.

Call volume increased considerably. This is a must for our new medics to gain experience and the experienced medics to maintain their knowledge.

We did say good-bye to many of the part-time medics. They are missed, but understandably part of the growing process.

The continued goal of meeting the current standard of care and providing effective and caring care for our patients will continue. The medics will continue to excel by training and working together towards a common goal.

Submitted by,

A handwritten signature in black ink that reads "Judi Patterson". The signature is written in a cursive, flowing style.

Judi Patterson

EMS Captain



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**2014**

**UTILITY DEPARTMENT YEAR END REPORT**

**CITY OF MULVANE, KANSAS**

## 2014 MULVANE UTILITY DEPARTMENT YEAR END REPORT

**Forward** The following pages lists the status of some of the ongoing projects, describes Utility Department activities, and provides financial summaries of the 2014 operating year for the Electric, Water, and Wastewater Departments.

About twenty years ago, Mulvane entered a cycle of rapid growth that dominated the activities of the Utility Department. Several housing developments were active in rapid succession and some simultaneously. There were also major capital improvement projects including, the Second Street four lane project; construction of the new EMS-Fire Station, moving nearly two miles of the 69,000 volt power line through Derby; the K-15 four lane project; the 111<sup>th</sup> St Curb & Pavement project; the construction of a new power plant; constructing a new wastewater plant; the Swimming Pool project; and building the infrastructure to support the casino development. Looking back, we have accomplished a lot in a relatively short time, much more than most cities our size.



Towards the end of 2007, the Utility Department started responding to the inquiries of several developers who desired to build and operate a casino near exit 33 of I35. We went to considerable effort to develop principals and guidelines designed to protect the interests of our utility customers. This was the single biggest development in the history of Sumner County. Completing the first two of several phases of the Kansas Star Casino has been a challenge for the Utility Department. We have come a long way toward providing the water and wastewater infrastructure needed to accommodate the full build-out of the project. Continued vigilance and great care must be taken to assure this project delivers its promise of better services, lower taxes, and lower utility costs for Mulvane citizens.

It has been a challenge for Utility Department personnel to keep up with the rapid expansion of our city.

The Mulvane Utility Department staff is looking forward to continuing an aggressive program of efficiently providing utilities to the community at the lowest sustainable cost.

This report was prepared to provide a useful and informative tool for the administrative staff, Mayor, City Council and our citizen-consumers.

Sincerely Submitted  
Mulvane Utilities Department

Brad Modlin  
Utility Distribution Director

## Overview

The Utility Department consists of three divisions, Electric, Water, and Wastewater. The combined annual budget of these departments is nearly 10 million dollars. The Utility Department currently has 16 full time positions in addition to 6 support personnel in the city office that the Utilities Department pays all, or some of their salary and benefits.

In the mid-1990s Mulvane entered a cycle of rapid growth that dominated the activities of the Utility Department. From 1994 to 2014, the number of residential water customers increased by over 25%. The housing developments of Country Walk, Cedar Brook, Autumn Valley, The Woodlands, and Merlin's Glenn were all active development areas. Keeping up with this rapid growth was a challenge. The Electric, Water, and Wastewater utilities all experienced expensive "growing pains" in one form or another.

The continuing growth of our city was not without cost and consequence. In 2002 we constructed a new power plant with enough capacity to support the projected growth of our city. By the year 2000, Mulvane had out grown its wastewater plant. On August 2, 2006, our new wastewater treatment plant came on line. In 2012 two of Mulvane's water wells had to be used to augment the water we receive from Augusta. These were, and are, interesting times for the Mulvane Utility Department, with many challenges that were overcome in rapid succession.

From 2007 through 2010, Mulvane had almost stopped growing. The existing housing developments were nearing completion. The entire nation has experienced a slowdown in the new home market. In 2011 the construction of the forty units Homestead Addition began. Lately, we have had inquiries concerning the addition of additional apartment complex to our community, and some additional development near I35.

In mid-2007, we began contemplating the implications of serving a casino development. The following principals were suggested to guide our actions during this project.

1. None of the cost of this project should be borne by our existing utility customers.
2. Our existing utility customers should be insulated from the risks associated with this project.
3. The utility rates should be uniform throughout the city. Customers located in the vicinity of the casino should not have lower rates than our existing customers.
4. The Utility Department infrastructure and facilities should be high quality and built to stand the test of time.

The second phase of the Kansas Star Casino Development was completed in late 2012. Work is currently underway to construct the additional water tower, and the water treatment facility that are needed to serve our expanding responsibilities.

In the fourth quarter of 2014, our new reverse osmosis water treatment plant came on line.

## **The History of Public utilities in the Early Years of Mulvane.**

Life in the early days of Mulvane was a lot different than today. Before 1906, there were no utilities of any sort. Burning wood or coal was the only source of heat. Except for very few acetylene light systems, kerosene lamps and candles were the only choices for lighting. Water had to be hand pumped or hauled. The inevitable trips to the outhouse must have been miserable on a subzero degree winter morning. That was how life was in Mulvane, as well as most other places in Kansas during those early times.

1906 was a busy year, and marked the beginning of public utilities in Mulvane. Alex Rucker and J. L. Nessly had been operating a very successful steam-powered roller mill in Mulvane since 1885. In March of 1906, the city granted the operators of the mill a franchise creating the Nessly & Rucker Light and Power Co. In May of that year, the city granted a franchise creating The Mulvane Mutual Telephone Co. Later, in August of that year, the city granted T. N. Barnsdall & A. P. McBride a franchise to operate a natural gas utility within the city limits of Mulvane.

The Nessly & Rucker, Light and Power Co. was the first operational public utility in Mulvane. By June of 1906 electricians had wired many homes and businesses, linemen had constructed a distribution system, and generating equipment had been installed at the mill. On June 13, 1906, the electric distribution system was energized and the streetlights were turned on for the first time. The first natural gas was delivered to Mulvane on March 14, 1907.

Over the next five years, there was significant progress in the modernization of Mulvane. In those days, perishables were kept in an icebox that required 25 pound blocks of ice. Many citizens resented the monopoly that the Wichita ice company enjoyed at that time. Local investors banded together to form The Mulvane Ice and Cold Storage Company, the first ice was produced in May of 1908.

Most residents wanted a public water supply. Without an adequate source of water, major fires in 1891, 1893, and 1905 had destroyed several Mulvane businesses. As usual, there was a vocal minority that opposed any kind of progress. It took until June of 1911 to establish a city owned public water system and deliver water to the first customers.

Mulvane's first water system consisted of 4 to 6 driven wells on the west side of the railroad tracks, a brick pump house that still stands at 120 Boxelder, one 500 gpm deep well type triplex pump, connected to a 35 hp natural gas engine at one end of its pinion shaft with a clutch and a 35 hp electric motor at the other end, in addition to a 50,000 gallon, 90 foot tall, riveted construction water tower. The entire water system including mains and fire hydrants were paid for with a \$30,000 bond issue.

The next major accomplishment for Mulvane utilities was the establishment of a sewer system. The first section of sewer extended from the intersection of Emery St. and Third St. to the river. It was constructed by the E. M. Eby construction company of Wellington for \$8,350.00. The Sewer System was accepted, and the first tap made on January 25, 1913. Over the next several months, sewer mains were extended to the remainder of town and financed by separate bond issues.

Around 1911, The Mulvane Mills & Elevator Co. sold the electric utility to Mulvane Ice and Cold Storage Co. After operating the electric utility until 1919, Mulvane Ice and Cold Storage Co. sold the electric utility to the City of Mulvane. At that time the city was holding a bond election to finance the replacement of the water pump that had been in service for nine years, as well as other improvements to the water system valued a \$22,250. The Ice Co. expressed a desire to sell the electric utility to the City for \$15,750. Both items were put on the ballot. Both passed. The first section of the Boxelder Power plant was built in 1919. The first generating units installed at that location were two 70kW two cylinder natural gas fired engines purchased from the Lazier Gas Engine Co. of Buffalo NY. The move was made to that location in 1920. With the purchase of the electric utility, the City Of Mulvane owned the water, sewer, and electric utilities. The city felt like it was in control of its destiny, resulting in rapid growth and progress for the next several years.



## **Electric Department Section**

### **The Goals and Accomplishments of Mulvane's Electric Utility**

#### **Goals**

- Provide our customers with the lowest possible sustainable electric rates.
- Maintain and improve the reliability of the electric system to minimize outages.
- Provide a high level of prompt and effective service.
- Use our expertise and equipment to benefit the City and community.
- Establish a legacy of affordable electricity for future generations of Mulvane citizens.

#### **Accomplishments**

- The Mulvane Electric Utility provided its customers with the lowest cost electricity in our region in 2014.
- The Electric Department bore the majority of the cost of public street lighting, saving the general fund \$131,823 in 2014.
- The Electric Department frequently makes expensive repairs to and expensive repair parts for non-Electric Department City equipment.
- The Electric Department has helped to complete many City projects such as the Main Street Park; the Sports Complex; The Second Avenue improvement project; the construction of the Public Works Building' and the completion of the Swimming Pool Project.
- Having an electric utility enables local control of rates and service. Currently Mulvane's electric rates are the lowest in our area. We plan to lower electric rates over the next few years.

## 2014 Utility Department Year-End Report

### Electric Department Year-End Report Summary for 2014

1. Revenues exceeded Expenses by \$1,803.33
2. The Electric Department is in good financial condition. Staff will continue to monitor rising expenses in the Electric Department. (Utility Purchase-cost of power).
3. Unusually mild summer weather produced less electric loads than those expected in a typical year.
4. Mulvane was the low cost provider of the generation municipalities within 50 miles, 2013. 2013 is the most recent year that we have data for, the 2014 reporting data should be available in the fall of 2014.
5. Substantial revenue flows to the City of Mulvane as the result of the Kansas Star Casino project. Part of this revenue can be used to reverse some of the subsidies that have traditionally flowed from the Electric Department to the General Fund. Providing our customers with the lowest possible sustainable electric rates is one of the primary goals of our electric utility. The resulting reduction of Electric department expenses can be used to lower electric rates, and also offset the economic forces that are causing a trend of rising electric rates most places. The first rate reduction occurred in July of 2012. A five percent reduction was implemented at that time. More rate reductions are planned after we have the opportunity to evaluate the financial impact of having a casino.
6. The Southwest Power Pool (SPP) is in the process of implementing radical changes to the structure and management of all aspects of power exchange within the SPP footprint. These changes will make it necessary for independent utilities, like Mulvane, to have the support of a larger organization such as The Kansas Power Pool (KPP) to perform the new mandated labor intensive functions. These changes are scheduled to be fully implemented in March of 2014. Mulvane joined the KPP in 2012, the first power was delivered in June of 2013

### Electric Department Financial Summary

#### Electricity Utility Fund Activity Summary

2014 Revenue (from all activates)	\$ 4,889,850.41
2014 Expenditures	\$ 4,888,047.08
Cash Carryover Gain Accumulated in 2014	\$ 1,803.33

On average, there were 2,291 residential electric customers in 2014  
Their average electric consumption was 888 KWH per month.  
Their average electric bill was \$96.89 per month.

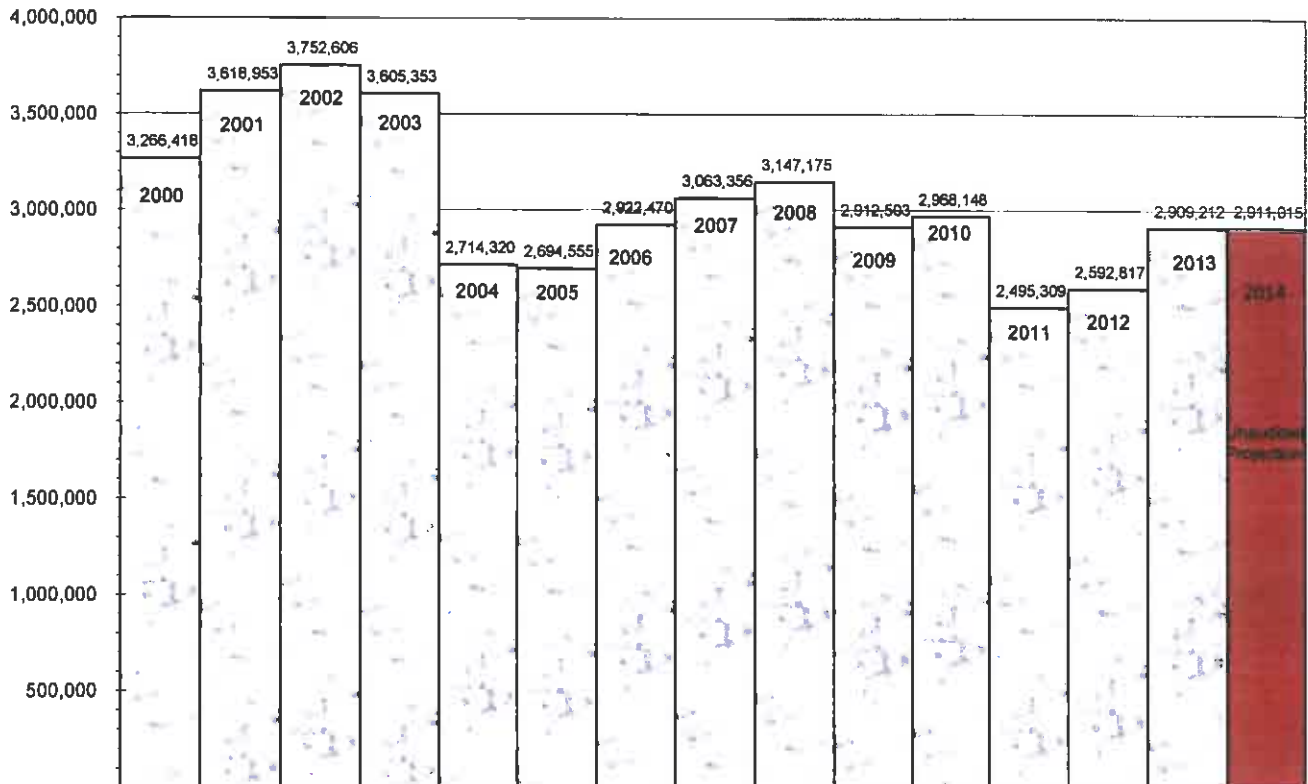
## 2014 Utility Department Year-End Report

### Cash Carryovers

Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and is adequate to cover the utility's unanticipated emergency expenditures in addition to any unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.

File CASH\_CO\_14

Electric Department Cash Carryover



The results of the 2014 audit are not available at this time. The projected cash carry over was calculated from the cities internal revenue and expenditure reports. Until 2002, the electric utility's revenues had been more than the expenditures, resulting in a slight increase in cash carryovers. In 2003 the first bond payment for the new power plant was due. In 2004, the Council took the first steps to put the resulting \$333,000 incremental difference in bond payments into the electric rate base. Consistent with good utility management, these rate increases were scheduled to go into effect over time to minimize rate shock. The sharp decrease in the 2004 cash carry-over is largely attributable to one-time expenditures for various internal finance projects such as the Twin Lakes Sewer Project and the Rivers Land Purchase. The Electric Department experienced a gain of \$1,803.33 in 2014. The electric utility is in reasonably fair economic condition.

Note: Cash Carryovers represent a summary of the financial events that took place in the calendar year. It is not an indicator of the amount of revenue available for discretionary spending at a given time.

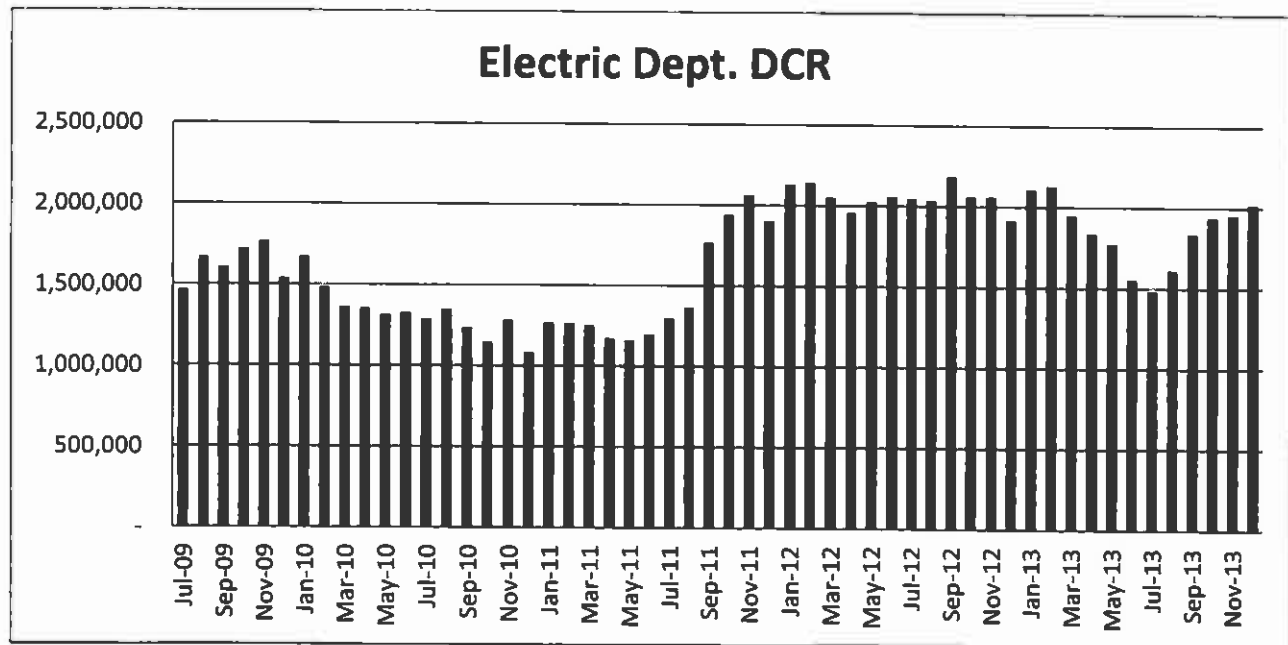
## 2014 Utility Department Year-End Report

### Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve (DCR) is always less than the Cash Carryover from the Auditor's Report. Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. Due to the unpredictable nature of utility costs, regulatory requirements, and potential electric system damage, and the need for periodic improvements, establishing an adequate Discretionary Cash Reserve benchmark, as well as a mechanism to achieve that goal, is important to an electric utility. Three of the factors considered in establishing the minimum Discretionary Cash Benchmark are, (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding recovering after a catastrophic event, and (3) the cost of periodic electric system improvements and maintenance. In 2004, staff reviewed the various risk factors involved in operating our electric utility, and recommend that a minimum Discretionary Cash benchmark be established at \$1,500,000. We are currently above the 2004 benchmark.

Is the Federal Emergency Management Agency (FEMA) dead? Until recently, FEMA was a dependable source of revenue that was available for public utilities to mitigate the cost of weather related disasters. In 2005 Mulvane received reimbursements totaling \$429,277 from FEMA to cover a portion of the cost of the 2005 ice storm damage. FEMA has not provided assistance in several disasters that have occurred since 2005. FEMA is no longer a reliable source of disaster recovery funds. Staff has increased our Discretionary Cash Reserve benchmark to \$2,000,000.

The following chart trends Electric Department's share of the various unrestricted cash and investment accounts that the City of Mulvane maintains.



File:2014 UtilityBankReconRpt.xlsx

Currently, the DCR is near the minimum recommended benchmark of \$2,000,000. Most of the rapid increase in the DCR that occurred toward the end of 2011 was the result of re-financing existing Revenue Bonds into General Obligation Bonds. The profit that resulted from the more favorable interest rate was scheduled "up front". The new GO bonds do not require maintaining bond reserve accounts, therefore the bond reserve accounts for the re-funded revenue bonds were released, resulting in the substantial boost in the Discretionary Cash Reserves.

## 2014 Utility Department Year-End Report

A table containing selected Electric Department revenue line items and categories of revenue line items follows.

**Electric Department Revenues by selected Line Items**

File:ElectFinance 2013 Revenues Tab							Revenues Tab			
YEAR	Sales to Customers	Cost of Power Adj	Penalties	Misc. Income	Interest Income	Payment Internal Financing	Street Lighting	Rare Events	Other Revenues	Total Revenues
1998	2,401,075		21,316	2,181	157,334	-			10,414	2,592,320
1999	2,340,157		19,886	23,100	158,852	-			10,669	2,552,664
2000	2,612,122		23,660	3,848	189,410	-			11,178	2,840,218
2001	2,598,662		24,902	4,931	201,584	-			94,381	2,924,460
2002	2,647,696		37,336	3,400	134,719	-			122,188	2,945,339
2003	2,663,463		37,308	262,104	60,863	-			8,902	3,032,639
2004	2,656,411		23,394	141,093	46,790	70,000			11,806	2,949,494
2005	2,953,264	509,699	32,468	32,991	64,187	1,500		690,886	20,684	4,305,678
2006	3,084,747	827,640	38,770	26,620	107,753	28,901			80,458	4,194,889
2007	3,247,149	675,071	39,264	21,375	143,706	53,904			28,854	4,209,323
2008	3,122,346	1,032,017	38,092	50,015	101,188	43,901			13,948	4,401,507
2009	3,024,153	612,635	38,553	21,068	36,286	37,974		387,434	6,169	4,164,273
2010	3,223,019	763,662	42,563	35,957	11,154	18,901			5,563	4,100,820
2011	3,001,591	985,464	42,703	19,978	8,812	47,974		2,193,048	14,554	6,314,124
2012	3,125,791	835,143	46,289	20,740	4,836	81,646			4,554	4,118,999
2013	2,925,734	1,226,794	45,579	51,701	1,932	23,323	43,941		12,763	4,331,765
2014	2,939,404	1,739,486	49,881	11,039	13,755	-	43,941		92,344	4,889,850

A Cost of Power adjustment was implemented in May of 2005. These revenues are passed along to Mulvane's wholesale power providers, and do not provide additional income for operating the Electric Department.

Over the years, interest on investments has been a substantial source of income to the Electric Department. The decline of available cash in 2003 resulted in a loss of income. The recent interest rate decline has resulted in a substantial loss of income.

In 2011, Bonds were refunded yielding 2,193,048 in bond proceeds. In 2005 we received reimbursements totaling \$429,277 from FEMA for the 2005 ice storm damage, also 261,609 in bond proceeds in that year.

The unusually mild weather conditions experienced during 2014 resulted in declining sales to customers.

Much of the 11,039 recorded as miscellaneous revenue in 2014 resulted from the sale of transformers to commercial customers to establish or upgrade their electric services.

The General Fund paid 25% of the cost of providing street lights to the City of Mulvane in 2014. Substantial revenue flows to the City of Mulvane as the result of the Kansas Star Casino project. Part of this revenue will be used to reverse some of the subsidies that have traditionally flowed from the Electric Department to the General Fund. Providing our customers with the lowest possible sustainable electric rates is one of the primary goals of our electric utility. This resulting increase in Electric department revenues will offset some of the economic forces that are causing a trend of rising electric rates most places.

## 2014 Utility Department Year-End Report

A table containing selected Electric Department expense line items and categories of expense line items follows.

File: ElectFinance 2014		Personnel Services	Utility Plant Addition	New Equipment	Expenditures Tab					REVENUE Gain (Loss)
YEAR	Power Cost				Insurance	Other Expenses	Internal Finance	Electric Bond	Total Expenses	
1998	1,160,156	498,126	217,570	66,558	11,671	486,610		49,242	2,489,933	102,387
1999	1,312,855	471,716	160,047	26,724	15,832	273,812		49,709	2,310,695	241,969
2000	1,448,685	525,362	388,129	1,692	13,528	480,632		48,990	2,907,018	(66,800)
2001	1,370,842	547,279	157,489	32,534	16,116	398,288		49,377	2,571,925	352,535
2002	1,229,360	516,754	160,196	179,328	21,977	546,328	157,743	-	2,811,686	133,653
2003	1,405,684	625,241	203,095	85,643	32,574	457,672	374,983	370,918	3,555,810	(523,171)
2004	1,409,973	558,055	98,677	60,157	44,342	495,585	785,552	388,185	3,840,526	(891,032)
2005	1,991,720	692,209	49,734	5,372	46,806	1,153,583	-	386,019	4,325,443	(19,765)
2006	2,336,321	697,341	112,673	41,814	47,968	341,433	-	376,717	3,954,267	240,622
2007	2,254,814	762,743	64,148	72,556	52,575	353,249	122,219	388,132	4,070,436	138,887
2008	2,523,336	810,755	154,192	8,805	51,350	376,546	-	386,615	4,311,599	89,908
2009	2,107,636	864,761	54,402	128,023	52,374	347,781	72,573	771,394	4,398,945	(234,672)
2010	2,323,369	880,404	13,043	20,686	55,020	366,572	-	386,082	4,045,175	55,645
2011	2,507,745	922,159	122,017	5,801	57,572	457,871	-	2,713,798	6,786,963	(472,839)
2012	2,349,599	1,016,517	36,787	175,465	59,972	210,487		175,664	4,024,490	94,508.25
2013	2,505,551	907,056	129,537	27,670	72,399	149,282	-	230,153	4,021,647	310,118.04
2014	3,224,119	923,936	95,246	50,524	67,280	146,431		380,511	4,888,047	1,803.00

Higher costs of the portion of power Mulvane receives from Westar has been the primary reason for the increase in cost since mid 2005, when a new type of Westar contract went into effect ..

During the cycle of rapid growth that occurred from 1995 to 2003, an average expenditure of \$200,000 was spent expanding the electric distribution system to serve new housing subdivisions. In 2008 most of this line item was spent on the power plant expansion/Park Dept. Storage project. In 2011 most of this line item was expenditures for the Homestead addition. In 2013 we restocked our depleted inventory of poles, and the purchase of transformers that were billed to customers under the Miscellaneous Revenue line item,

These expenditures are unpredictable by nature. Some large, with no clear time frame for recovery, which for management purposes must be treated as lost resources.

One of the biggest single ongoing changes in expenses was the 2003 \$326,000 increase in bond payment resulting from the construction of the new power plant.  
Bond payments in 2009 included refunding a bond issue.  
In 2012 the bond payments reduced to take the refunding profit up front.  
Bond payments will increase to 380,511 in 2014

Personnel Services includes FICA, Health Insurance, retirement, unemployment, Worker's comp. and life ins.

In 2005, the Electric Department spent \$468,894 to repair ice storm damage. Also \$209,804 was spent on reissuing bonds that year.



## 2014 Utility Department Year-End Report

File:KPP Resources

### **ELECTRIC DISTRIBUTION DEPARTMENT ACTIVITY**

#### **Electric Distribution Department Capital Improvements**

In 2014, electrical distribution improvements continued in the area of W. Cedar St. and the 500 block of N. 1<sup>st</sup> Ave. The upgrade will convert to 2400 V overhead primary cable to 7200 V underground cable. The estimated cost for this project is \$30,000. To date, the electrical distribution improvements on North First Ave. are complete. 7200V underground cable will be installed on west Cedar St. in 2015.

An electric distribution project was started in 2013 for the Cedar Brook residential addition. The estimated cost for 27 Lots will be \$35,100 to install the 7200 V electric underground cable and Transformers. This project was completed September 2014.

For the last several years, Mulvane has experienced a slowdown of residential construction. The electric department has used this time to improve and upgrade the existing overhead electrical distribution system. Wooden power poles and cross arms are replaced throughout the system as needed. The average life of a wooden power pole is 40 years. The electric department also devotes an adequate amount of time to tree cutting/clearance.

#### **KS-MAP Mutual Aid Program**

The KS-MAP organization was founded in 2008. The mission is to support and promote statewide emergency preparedness, disaster response, and mutual assistance for all utility systems in Kansas, including Water, Wastewater, Gas, and Electric utilities.

Through this program, municipalities and rural water districts can access a network of resources and assistance including emergency equipment, maintenance equipment, materials, communication devices, and most important, experienced utility personnel.

This program is sponsored by non-profit organizations whose missions are designed to assist the utility industries, environment, health and safety of all Kansans. Sponsoring organizations include Kansas Rural Water Association; Kansas Municipal Utilities; Kansas Section American Water Works Association; and the Kansas Water Environmental Association. In addition, several State Agencies combine their efforts towards the program: Kansas Department of Health & Environment; Kansas Corporation Commission; and the Kansas Division of Emergency Management.

#### **KMU Safety Program**

Mulvane's utility department has participated in this program since its inception in 2005. This program meets the requirements, by law, of the occupational safety and health administration. Classroom and field training is given to employees pertaining to their occupation. Our goal in utility management is to build a safe working culture and environment amongst our employees. Building such a culture will continue to reduce accidents and reduce workers compensation costs.

#### **Overhead to Underground Electric Service Conversion Subsidy Program**

During the ice storm in January 2005, a large number of residential homes with overhead electric service lines lost power when their service lines were brought down by falling tree limbs that were weighted down by ice. In order to improve electric reliability to our customers, the Mulvane City Council voted to implement a reimbursement program as an incentive for residential property owners to

## 2014 Utility Department Year-End Report

convert their existing overhead service lines to underground services. As of the end of 2014, 48 residential customers have taken advantage of this reimbursement program. Two hundred dollars is reimbursed to the residential customer once the conversion is completed. To date, the total payment by the city to residential customers has been \$9,600.00 total city utility outlay for this program in the annual Electric Department budget for this purpose is \$8,000.00 per year.

## **WATER DEPARTMENT SECTION**

Generally, water customers expect their water utility to provide reliable water service in the quantities they desire, and at a quality level that meets or exceeds both customer and regulatory standards. They expect responsible stewardship of the public's water infrastructure, fiscal, and natural resources. They also expect their utility managers to use their best efforts keep the cost of water low as possible while achieving those goals. In addition to the needs and expectations of individual customers, the community needs a water supply that will support its continued growth, development, and prosperity.

### **Summary of Water Department Activity in 2014**

- Mulvane's Water Distribution Department repaired 8 water main breaks in 2014.
- 8 copper water service lines failed and were replaced under streets & roadways
- 56 water meters were replaced for our routine meter change out program.
- 14 water meter cans were replaced.
- 11 water leaks were repaired in water meter cans.
- The project of constructing a new reverse osmosis water treatment plant was completed

### **Water Utility Fund Activity Summary**

<b>2014 Actual Revenue (from all activities)</b>	<b>\$ 1,097,080.05</b>
<b><u>2014 Actual Expenditures</u></b>	<b><u>\$ 972,420.03</u></b>
<b>CCO Gain Accumulated in 2014</b>	<b>\$ 124,660.02</b>

**On average, there were 2,199 residential water customers in 2014**  
**Their average water consumption was 4,574 gallons per month.**  
**Their average water bill was \$27.85 per month.**

## Water Department Financial Condition

### Cash Carryovers

Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. The Water Department is less susceptible to extraordinary expenses than the Electric Department. Three of the factors considered in establishing the minimum CC Benchmark are (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding the critical system assets damaged by a catastrophic event, and (3) the periodic need to finance pay-as-you-go capital improvement projects such as the Water Tower Renovation Project that was completed in 2007, and the Water Tower Painting Project was completed in 2009, and the emergency well activation project that was completed in 2011. Replacement of water distribution lines will be the goal over the next ten years.

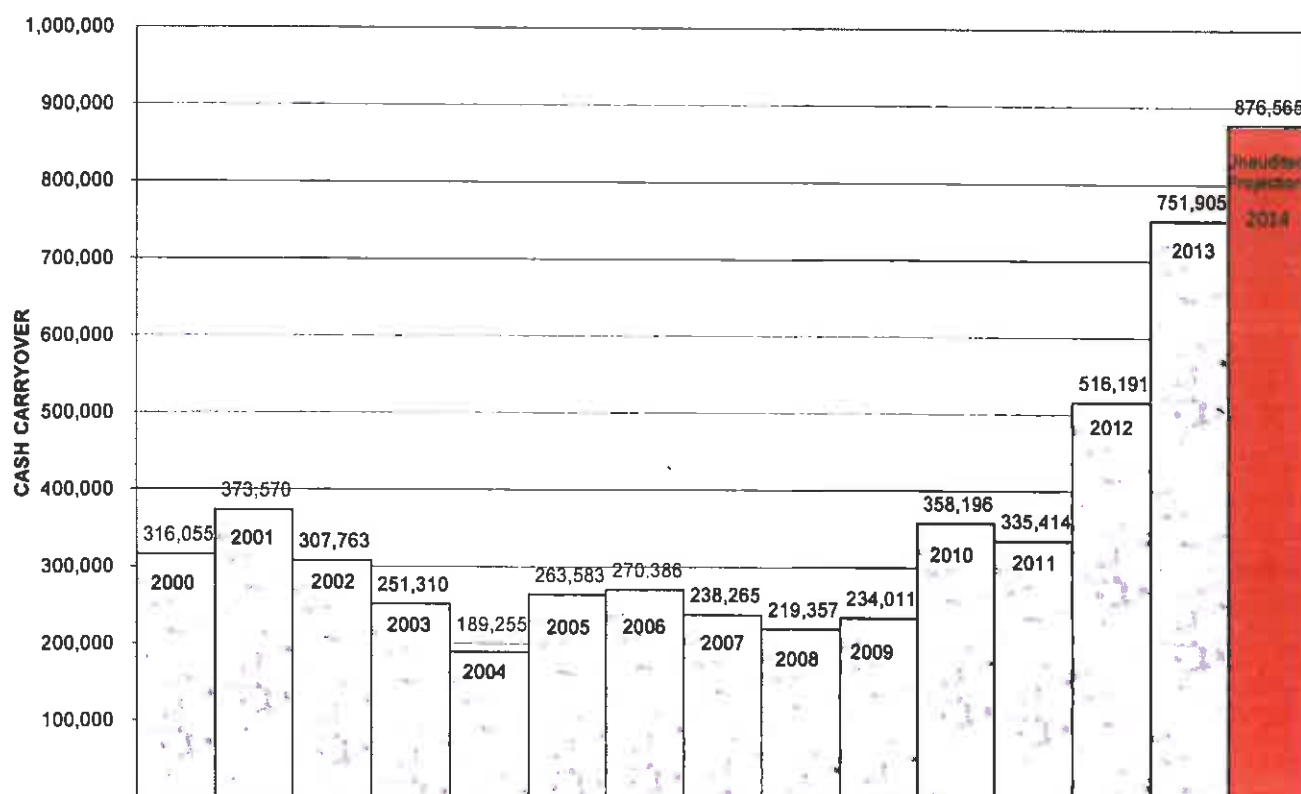
Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and adequate to cover the utility's unanticipated emergency expenditures in addition to unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.

The results of the 2014 audit are not available at this time. The projected cash carry over was calculated from the city's internal revenue and expenditure reports.

Until 2012, Cash Carryovers were not adequate to achieve the established Discretionary Cash Reserve benchmark of \$400,000.

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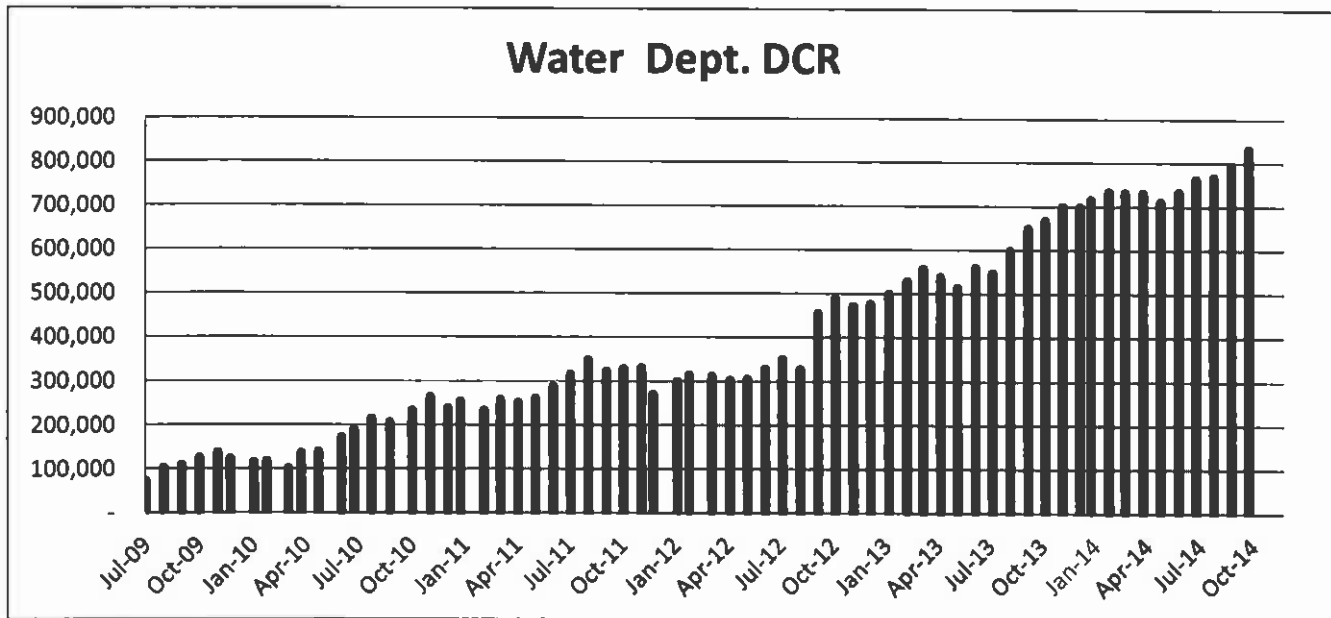
Water Department Cash Carryover



### Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve (DCR) is always less than the Cash Carryover from the Auditor's Report. Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. Due to the unpredictable nature of utility costs, regulatory requirements, and potential water system damage, and the need for improvements, establishing an adequate Discretionary Cash Reserve benchmark, as well as a mechanism to achieve that goal, is important to a water utility. Three of the factors considered in establishing the minimum Discretionary Cash Benchmark are, (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding recovering after a catastrophic event, and (3) the cost of periodic water system improvements and maintenance. In 2004, staff reviewed the various risk factors involved in operating our water utility, and recommend that a minimum Discretionary Cash benchmark be established at \$400,000. We are currently above that recommended benchmark. However, there are several upcoming capital improvement projects that will affect operating costs. Also, in 2014 the new water treatment plant is scheduled to come online. There will be additional expenses from the operation and maintenance of the new water treatment plant that will exert economic pressure on the water utility.

The following chart trends Water Department's share of the various unrestricted cash and investment accounts that the City of Mulvane maintains. At its lowest point in 2012 the DCR was \$ 513,897, somewhat more than the recommended minimum benchmark of \$400,000.



## 2014 Utility Department Year-End Report

### Revenue Line Item Summary Table

Constructing tables of the revenue and expense line items that are the most variable from year to year is a useful tool for understanding how the many different circumstances that are unique to each year affect Water Department profitability.

File: WaterFinance2014SplitRevenues

YEAR	Sales To Customers	Connects Disconnects	Construction Charges	Interest on Investments	Penalties	Tower Antenna Lease	Other Revenues	Total Revenues	Billed to Customers 1000 Gal.	Cost Per Kgal
1999	612,781	2,285	35,900	12,010	6,677	6,050	1,251	676,955	149,965	\$ 4.086
2000	684,164	3,873	25,475	10,462	7,472	6,000	4,581	742,026	169,464	\$ 4.037
2001	678,256	3,325	37,200	20,217	7,209	6,600	2,265	755,073	167,142	\$ 4.058
2002	682,839	2,768	23,400	15,704	477	6,600	1,586	733,373	161,604	\$ 4.225
2003	718,206	3,083	25,400	2,888	-	6,600	2,039	758,217	165,370	\$ 4.343
2004	691,276	4,353	24,600	2,221	7,427	6,600	888	737,364	157,764	\$ 4.382
2005	780,737	5,170	33,600	2,744	10,304	6,600	1,209	840,365	162,217	\$ 4.813
2006	850,602	5,310	27,600	8,049	12,434	7,260	667	911,923	170,858	\$ 4.978
2007	809,742	5,003	4,500	10,031	10,712	7,260	9,733	856,982	162,534	\$ 4.982
2008	766,035	4,843	4,500	7,590	10,279	7,260	(59)	800,447	153,633	\$ 4.986
2009	766,884	6,438	4,200	2,534	10,403	7,260	74,889	872,608	155,036	\$ 4.946
2010	918,420	5,760	1,200	1,072	11,495	7,260	1,314	946,520	160,009	\$ 5.740
2011	889,824	3,413	28,196	1,059	11,523	7,986	6,150	948,150	162,675	\$ 5.470
2012	1,092,654	4,225	2,400	700	12,491	7,986	4,698	1,125,152	191,919	\$ 5.693
2013	1,042,722	4,150	5,391	405	12,299	7,986	24,765	1,097,719	178,913	\$ 5.828
2014	1,053,897	4,285	9,600	1,014	13,460	7,986	6,838	1,097,080	181,062	\$ 5.821

↑

In 2011 & 2012, the combination of hot weather and drought produced a high demand for water. Water use restrictions were imposed in July of 2011 that moderated the demand for water. In 2012, We experienced 28 million Gal. of growth in commercial usage. In 2013 and 2014 the weather reduced customer demand for water.

↑

New home construction had almost ceased in 2007. In 2011 the Homestead Addition added 41 meters to our water system.

↑

Early in 2002, Penalties for late payment were misallocated to the Electric Department. Proper allocation was restored in 2004.

↑

The Water Tower Painting Project was financed with a transfer of \$72,573 accounting for most of this classification in 2009.

↑

In March of 2005 the first 2.5% water rate increase of a two step 5% increase was implemented. The remaining 2.5% was implemented with the March 2006 billing. In January of 2010, a rate increase was implemented.



# 2014 Utility Department Year-End Report

## Expense Line Item Summary Table

File: WaterFinance2014 SplitRevenues

This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Revenues	Water Cost	Personnel Services	Clean Wat. Fee	New Equip.	Line Expense	Other Expenses	Utility Plant Addition	Water Bond	Utility Expense	Total Expenses	Profit/Loss
1999	676,955	263,322	184,273		1,633	7,584	29,150	78,411	95,701	32,381	692,455	(15,500)
2000	742,026	299,203	183,349		1,534	13,321	23,374	45,194	95,086	30,242	691,303	50,723
2001	755,073	278,443	204,865		6,748	3,241	25,631	49,351	100,725	28,744	697,748	57,325
2002	733,373	253,848	297,075	3,696	27,241	19,485	28,071	48,230	96,102	22,627	796,375	(63,002)
2003	758,217	289,834	305,321	4,565	18,959	8,609	47,741	25,720	94,978	21,165	816,892	(58,675)
2004	737,364	280,783	293,300	4,707	19,873	19,518	54,803	1,592	106,061	21,039	801,676	(64,313)
2005	840,365	289,176	252,873	4,869	621	12,889	51,566	24,005	105,142	24,704	765,845	74,520
2006	911,923	309,217	327,240	5,115	4,667	12,003	72,527	41,866	106,140	26,246	905,021	6,902
2007	856,982	297,271	347,079	3,604	2,794	15,450	57,584	52,258	85,295	27,768	889,103	(32,121)
2008	800,447	287,195	282,208	5,814	2,688	22,037	54,982	32,618	86,075	45,738	819,355	(18,908)
2009	886,879	282,327	299,492	4,621	337	92,175	67,982	7,023	82,048	33,909	869,914	16,965
2010	946,520	269,956	309,801	4,803	24,446	21,282	70,841	5,508	82,924	32,774	822,336	124,185
2011	948,150	318,675	326,138	4,941	4,676	27,692	88,299	85,258	82,539	32,714	970,933	(22,783)
2012	1,125,152	310,140	356,030	5,672	7,649	42,086	89,582	22,549	73,859	36,808	944,375	180,777
2013	1,097,719	304,140	329,814	5,387	3,651	17,625	60,519	22,955	72,715	45,910	862,717	235,002
2014	1,097,080	288,975	392,426	5,401	29,520	7,390	117,132	12,314	74,616	44,646	972,420	124,660

The increase in Revenues in 2010 was largely due to a rate increase that started in 2010. The record rainfall we experienced in 2008 & 2013 made it unnecessary for most of our customers to irrigate their yards and shrubs. The low water consumption produced lower than expected water sales revenue. Starting in 2012 we had growth in commercial customer water sales

The reduction in Personnel Services in 2008 was the result of transferring some of the General Fund wage subsidy from the Water Department to the Wastewater Department. Since the new treatment plant came on line in 2006, the Wastewater Dept. has become larger than the Water Department, and more capable of carrying an equal portion of the General Fund wage subsidy.

The cost of \$72,573 for painting the water tower was classified to this line item in 2009.

In 2010, the Water depart. contributed 21,000 to a Administration Dept. computer Upgrade

The large expenditures in this line item from 1999 to 2002 were largely due to the rapid growth in new customers. In 2007, \$38,000 was spent on water tower improvements. In 2008, \$18,000 in improvements were made to the pumps and telemetry sys. In 2011, \$67,200 was spent on the Well4&5 Emergency Water Supply Proj.

It cost more for the electricity required to pump water in 2008. Water was pumped into our distribution system continually while the telemetry system was rebuilt. The cost of electricity was at record levels during the first 8 months of the 2008.

The gain in cash carry over that was experienced starting in 2010 was largely due to a rate increase that took effect in January of 2010, and also higher water consumption due to the dry & hot weather conditions in 2010

The reduction in Personnel Services in 2008 was the result of transferring some of the General Fund wage subsidy from the Water Department to the Wastewater Department. Since the new treatment plant came on line in 2006, the Wastewater Department had become larger than the Water Department, and more capable of carrying an equal portion of the General Fund wage subsidy. The large expenditures in the Utility Plant Addition line item from 1999 to 2002 were largely due to the rapid growth in new customers. New water meters, and materials for services are contained in this line item. In 2007, \$38,000 was spent on water tower improvements. In 2008, \$18,000 in repairs and additions were made to the pumps, telemetry system and a new water level monitoring & alarm system. In 2011, 67,200 were spent to bring an emergency water supply using wells #4, & #5. There were also expenses incurred from the development of the Homestead Addition.

The Utility Expense line item is mostly the cost of the electricity required to pump water from Augusta into the distribution system with the four 100 horsepower pumps. It cost more for the electricity required to pump water in 2014. The new water treatment plant will cost approximately \$7000.00 a month in electricity to operate in 2015

### **Emergency Water Supply-Wells #4 & #5**

The severe drought of 2011-2013 resulted in water supply problems for the City of Augusta's water utility. After Augusta imposed water restrictions on 7-12-11, staff had been working on a project to return two of our wells to service to act as an emergency water supply to prevent water outages on the Mulvane distribution system.



*Above---View looking east from Well #5*

Prior to 1992, Mulvane's water supply was served from five wells. These wells pumped water at low pressure through two collection lines into a 500 MG reservoir located at the north end of Boxelder Street. At that location three high service pumps were used to pressurize the distribution system. The well pumps were designed to pump a high volume of water at a pressure of around 20 psi.

Part of the design of the current water system was the provisions to convert the well water collection water lines to part of our water distribution system. Now these water lines are pressurized to around 85 psi. It was not possible for any of the old well pumps to pump water against that much pressure.

At the city council meeting held on 8-1-2011, the council authorized modifying Wells #4 & #5 for use as an emergency water supply. A total expenditure of \$95,000 was approved at that meeting for that purpose. A total of \$67,200 was spent on this project in 2011. An additional 3,268.71 was spent in 2012 to upgrade the disinfection system to be compatible with Augusta water.

New pumps were installed that will pump under those conditions. The water rights associated with these two wells permit the diversion of nearly 60 million gallons of water per year at a rate of 1000 gpm. That is sufficient to supply our city's full current requirements for four months.

### **2014 Summary of Water Well Pumping Activity**

1. By July of 2012 the city of Augusta was eager for Mulvane to bring the wells #4 & #5 online to help lower the demand on their water system. KDHE granted permission to use the wells on 7-27-12.

## 2014 Utility Department Year-End Report

2. The first water that we pump from our wells in 2013 was in mid-March when Augusta was servicing and evaluating the condition of their million gallon storage tank.
3. We started pumping water on a daily basis on Sunday, June 24, 2013.
4. We pumped water for 59 days in 2013, for a total of 9,687,000 gallons.
5. The water that we received from Augusta in 2014 totaled 188,570,000 gallons.
6. The total amount of water that was used by our water distribution system in 2014 was 215,048,000 gallons.

### Customer Complaints

We have received some water quality complaints.

Those complaints include;

Taste and odor problems from purchased Augusta water 4<sup>th</sup> Quarter-2014

The new reverse osmosis (RO) water plant went on line in the 4<sup>th</sup> quarter of 2014.

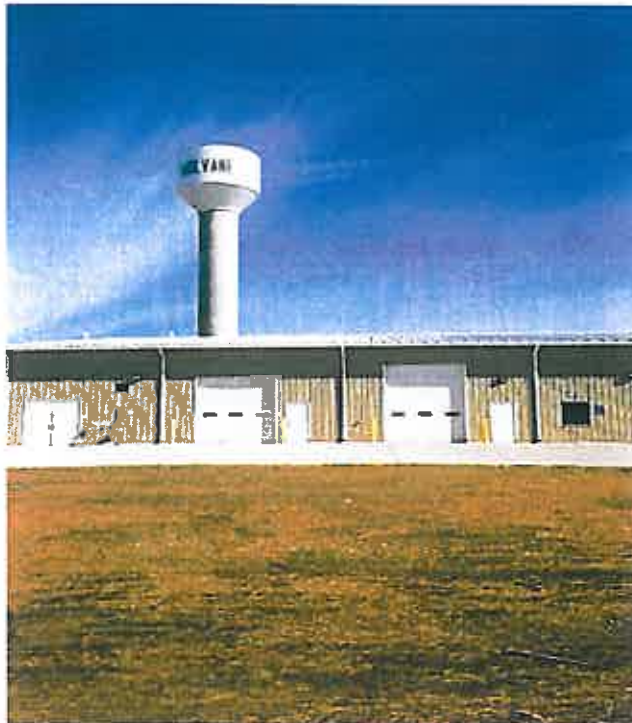
The RO plant at Mulvane consists of three skid-mounted membrane units manufactured by the General Electric Corporation; each unit is capable of treating 500 gpm.

The units waste 20 percent of the water that is pumped into the city's sewer system.

One-third of raw well water is blended back to the filtered water for a high quality finished product.

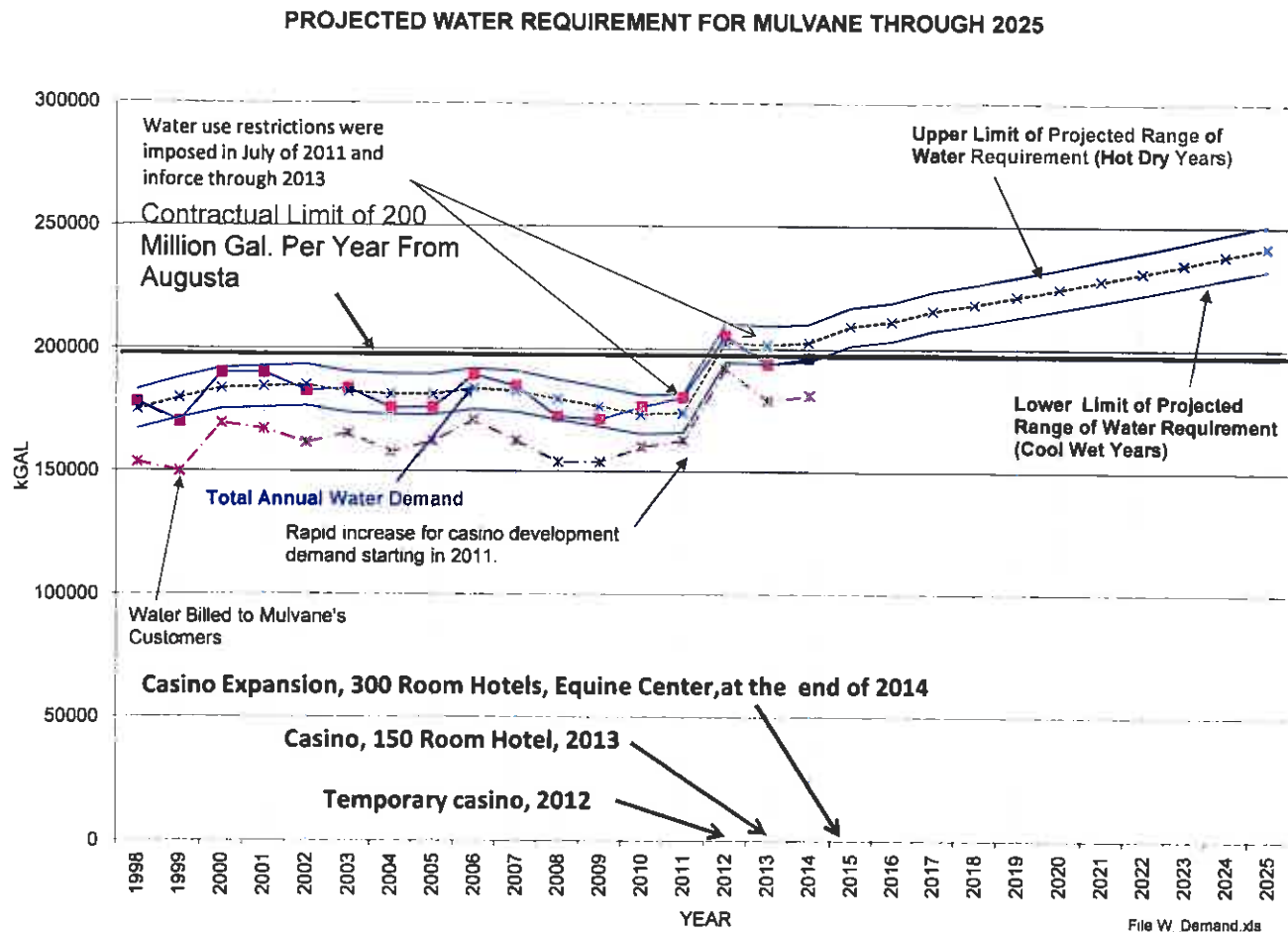
Greensand filters do the primary work of removing iron and manganese through an oxidation process. The well water is chlorinated to precipitate the minerals for removal by the greensand filters.

The \$5.3 million project was funded entirely with General Obligation bonds issued by the city. The local firm, Young and Associates, was hired by the city council to oversee the project. The design build engineer-contractor team was UCI and Professional Engineering Consultants (PEC). Both of Wichita, Kansas.



## 2014 Utility Department Year-End Report

### Projected Annual Water Demand Summary Chart



From 2001 to 2010 there was a general trend of declining water demand. This trend has been the result of slow customer growth and the greater use of water saving appliances. In 2012, the growth of water consumption exceeded Mulvane's current contractual limit of 200,000,000 gallons per year from Augusta.

#### Assumptions for projecting Mulvane's annual water demand.

1. Annual customer growth rate of 1.8%.
2. The annual reduction in residential water use attributed to low water consumption household appliances will gradually decrease and cease in the year 2020.

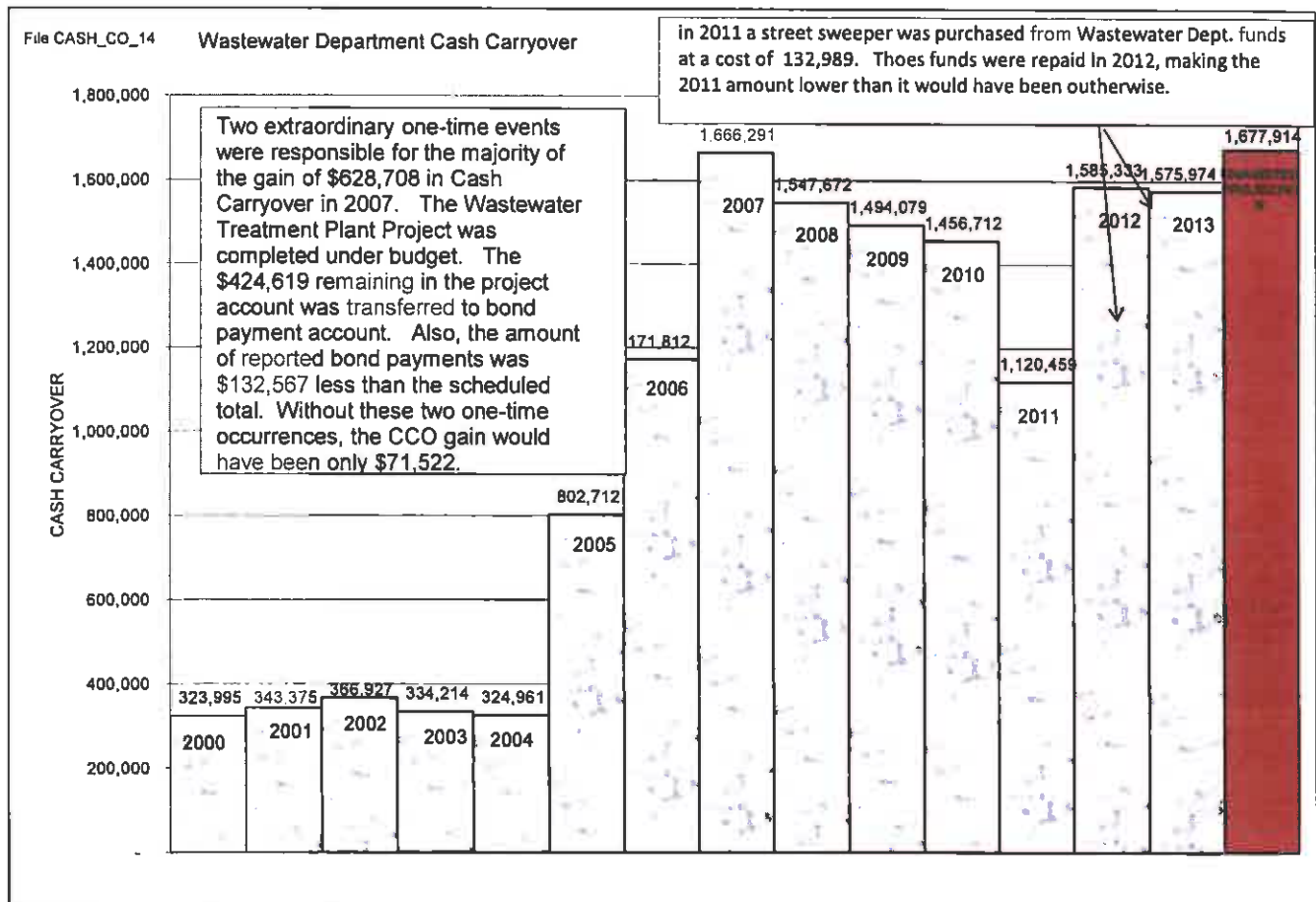
## WASTEWATER DEPARTMENT

### Wastewater Department Financial Condition

#### Cash Carryovers

Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. The Wastewater Department is less susceptible to extraordinary expenses than the Electric Department.

Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and adequate to cover the utility's unanticipated emergency expenditures in addition to unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.



From 1995 to 1997 Wastewater Department cash carryovers were declining. A new sewer tap permit fee of \$900 was implemented, stabilizing the cash carryovers until 2005.

In anticipation of the financial impact of building a new Wastewater Treatment Plant (WWTP), the Council approved a three step rate increase designed to match revenues to the projected cost of owning and operating the new wastewater treatment facility. The third rate increase was rescinded by the City Council at the recommendation of staff. We decided to give some of the leftover project funds that were earned by completing the new Wastewater Treatment Plant Project under budget, back to our rate payers. We accomplished that by operating at a loss for a few years before implementing the final rate increase associated with the WWTP project in 2010. The 2006 Wastewater Treatment Plant was



## 2014 Utility Department Year-End Report

financed by two separate bond issues. The first bond issue was in 2005. The second bond issue was in early 2006. The full effect of these increased bond payment was scheduled to begin in 2007.

Two extraordinary one-time events were responsible for the majority of the gain of \$628,708 in Cash Carryover in 2007. The Wastewater Treatment Plant Project was completed under budget. The \$424,619 remaining in the project account was transferred to bond payment accounts. Also, the amount of reported bond payments was \$132,567 less than the scheduled total.

### 2014 Wastewater Utility Fund Activity Summary

#### Wastewater Utility Fund Activity Summary

2013 Revenue (from all activities)	\$ 1,627,437.00
2013 Expenditures	\$ 1,525,498.00
Cash Carryover Loss Accumulated in 2014	\$ 101,939.00

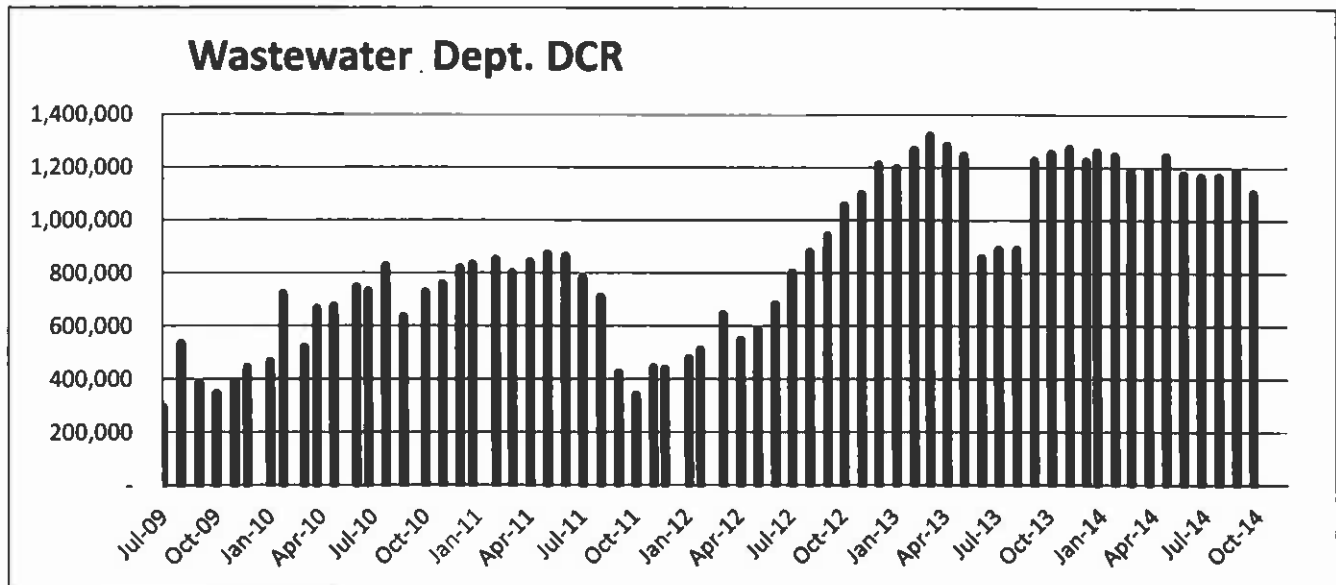
On average, there were 2,060 residential wastewater customers in 2014

Their average water bill was \$43.85 per month.

#### Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve is always less than the Cash Carryover from the Auditor's Report. Staff has reviewed the various risk factors involved in operating our wastewater utility, and recommend that a minimum Discretionary Cash benchmark be established at \$400,000.

The following table represents a snap shot of the Wastewater Department's share of the various cash and investment accounts that the City of Mulvane maintains as of December 31, 2011.



For the purpose of issuing bonds, the three Utility Department divisions were combined several years ago. This combining made it possible to reserve funds in any ratio between the three utility divisions as long as the total was adequate. Before 2011, the Electric Department carried more than its share of bond reserves. The Wastewater department carried less than its share. In 2011 some Revenue Bonds were refunded into General Obligation Bonds. After corrections were made, an additional bond reserve of \$93,496 was required.

## 2014 Utility Department Year-End Report

### Summary of Revenue Line Items

Some of the significant revenue line items for the Wastewater Department are summarized in the following table.

File:WastewaterFinance2      2014 This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Salaries	Payroll Tax	New Equip.	Plant Addition	Line Expense	Insurance	Utility Expense	Bond Payment	Eng. Sevc	Cost of Issuance	Other Expenses	Total Expenses
1997	147,527	39,919	26,035	3,104	5,395	2,826	23,740	73,298	355		56,943	379,142
1998	146,714	40,195	5,917	5,630	5,189	2,458	23,800	117,382	-		61,238	408,621
1999	160,084	37,874	3,755	6,340	40,468	3,824	24,373	115,428	3,600		64,637	460,183
2000	179,776	43,508	4,257	13,842	18,027	3,849	24,888	113,901	32,113		60,440	484,581
2001	171,784	43,625	37,558	16,875	8,002	4,312	24,880	113,901	-		60,454	481,371
2002	158,558	39,628	(8,239)	5,796	20,218	4,531	25,246	113,901	600		57,928	418,165
2003	184,442	44,174	23,283	11,863	8,867	8,181	25,858	113,901	5,895		84,812	511,376
2004	161,928	50,398	8,086	2,478	7,593	9,232	26,598	126,684	480		114,292	505,769
2005	167,754	51,830	7,088	60,505	9,544	10,236	32,551	124,716	5,477		80,343	550,123
2006	204,883	65,088	38,011	6,082	10,773	15,089	39,989	455,978	-		136,232	972,085
2007	223,496	72,358	10,886	2,774	41,911	11,208	77,690	483,353	-		228,417	1,149,893
2008	296,702	94,721	61,468	5,081	42,979	15,817	87,261	615,388	-		104,214	1,323,431
2009	316,631	100,085	2,230	4,370	8,609	15,779	77,888	1,404,738	-	11,508	84,892	2,024,306
2010	321,839	105,525	46,938	13,290	47,112	17,084	79,032	615,016	-	47,197	102,484	1,395,496
2011	340,534	108,603	1,899	6,357	14,930	16,791	78,994	615,100	-		231,120	1,414,328
2012	387,999	125,893	4,400	29	36,223	33,314	107,297	353,010	-	-	159,442	1,207,407
2013	421,613	171,332	10,595	108,820	143,981	36,330	142,064	433,730	3,300		177,068	1,648,832
2014	325,495	149,113	33,239	59	16,980	38,758	158,712	603,503	-	6,555	193,084	1,525,498

It became necessary to add a third employee to our wastewater staff in October of 2005. By 2008, the size of the Wastewater Department has grown from 11.49% to 18.47%, when compared to the other utilities. The wage and benefit subsidy contributed by the Wastewater was increased from 10% to 20% in 2008 for most Administrative Department Personnel.

Purchased new Industrial Vacuum Unit in 2006, new sewer camera in 2008, And

Adding our new Wastewater Treatment Plant to our insurance coverage resulted in higher premiums starting in 2006 & 2011

Refunding some of the wastewater revenue bonds resulted in lower payments in 2012, and 2013. Bond payments will revert to previous

The new wastewater treatment process uses more energy than the old process. The plant came on line in August of 2006. The additional loading from the

\$132,989 for Int. Finance in 2011



## 2014 Utility Department Year-End Report

### Summary of Expenditure Line Items

Some of the significant Expense line items for the Wastewater Department are summarized in the following table.

File: WastewaterFinance2      2014 This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Salaries	Payroll Tax	New Equip.	Plant Addition	Line Expense	Insurance	Utility Expense	Bond Payment	Eng. Sevc	Cost of Issuance	Other Expenses	Total Expenses
1997	147,527	39,919	26,035	3,104	5,395	2,826	23,740	73,298	355		56,943	379,142
1998	148,714	40,185	5,917	5,630	5,189	2,456	23,900	117,382	-		61,238	408,621
1999	160,084	37,674	3,755	6,340	40,468	3,624	24,373	115,428	3,600		64,637	460,183
2000	178,776	43,508	4,257	13,842	18,027	3,849	24,868	113,901	32,113		60,440	494,581
2001	171,784	43,625	37,558	16,875	8,002	4,312	24,860	113,901	-		60,454	481,371
2002	158,556	39,628	(6,239)	5,796	20,218	4,531	25,248	113,901	600		57,928	418,165
2003	164,442	44,174	23,283	11,663	8,867	8,181	25,858	113,901	5,995		84,812	511,376
2004	161,928	50,398	6,086	2,478	7,593	8,232	28,596	126,884	480		114,292	505,769
2005	167,754	51,930	7,068	60,505	9,544	10,236	32,551	124,716	5,477		80,343	550,123
2006	204,883	65,088	38,011	6,082	10,773	15,089	39,969	455,978	-		136,232	972,085
2007	223,496	72,358	10,686	2,774	41,911	11,208	77,690	483,353	-		226,417	1,149,893
2008	296,702	94,721	61,468	5,081	42,979	15,617	87,261	615,388	-		104,214	1,323,431
2009	316,631	100,085	2,230	4,370	6,809	15,779	77,688	1,404,736	-	11,506	84,892	2,024,306
2010	321,839	105,525	46,938	13,290	47,112	17,064	79,032	615,016	-	47,197	102,484	1,395,496
2011	340,534	108,603	1,899	6,357	14,930	16,791	78,994	615,100	-		231,120	1,414,329
2012	367,999	125,693	4,400	29	36,223	33,314	107,297	353,010	-		159,442	1,207,407
2013	421,613	171,332	10,595	108,820	143,981	36,330	142,064	433,730	3,300		177,068	1,648,832
2014	325,495	149,113	33,239	59	16,980	38,758	158,712	603,503	-	6,555	193,084	1,525,486

It became necessary to add a third employee to our wastewater staff in October of 2005. By 2008, the size of the Wastewater Department has grown from 11.49% to 18.47%, when compared to the other utilities. The wage and benefit subsidy contributed by the Wastewater was increased from 10% to 20% in 2008 for most Administrative Department Personnel.

Purchased new Industrial Vacuum Unit in 2006, new sewer camera in 2008, And

Adding our new Wastewater Treatment Plant to our insurance coverage resulted in higher premiums starting in 2006 & 2011

\$132,989 for Int. Finance in 2011

Refunding some of the wastewater revenue bonds resulted in lower payments in 2012, and 2013. Bond payments will revert to previous

The new wastewater treatment process uses more energy than the old process. The plant came on line in August of 2006. The additional loading from the

## WASTEWATER PLANT ACTIVITY



### Wastewater Treatment Plant

In 2013, most of our focus and efforts were directed toward the successful completion of converting to a different wastewater treatment process that is designed to handle the waste from the Kansas Star Casino. Casino wastewater has much higher concentrations of nitrogen pollutants compared to normal domestic wastewater. The new additions to our treatment plant that were completed in 2012 include the following;

- A Head Works Building that removes debris and grease from the casino wastewater.
- An Equalization Basin to store the casino wastewater flow so that can be discharged into the treatment process at an even rate. Weekend and holiday casino flows are much higher than typical weekday flows.
- An Anoxic Basin that provides the biological conditions necessary to remove the high concentrations of nitrates.
- A third Schreiber Process train.

### Plant Performance

Our Wastewater Treatment Plant processed 152,048,000 gallons of wastewater in 2014. The performance of the new plant has been excellent considering all of the process interruptions that took place during the construction of the recent improvements.

### **Equipment Building**

A new equipment building was completed in 2007. This provided the Wastewater Department the ability to store all of their equipment at the treatment plant site, and relieve overcrowding at the Public Works Building located at 410 West Bridge Street. In 2007 we relocated the trailer mounted jetter, sludge truck, Kubota tractor, trailer mounted vacuum unit, camera unit, hose reel irrigation equipment, and Wastewater Department truck to the new equipment building. To make the most efficient use of labor, the slow moving equipment must be stored as close to the point of use as possible. Having the employee parking, the time clock, and the Equipment Building in close proximity was an important consideration to improve efficiency. On site storage of equipment also minimized the risk of traffic accidents associated with traveling on K53 unnecessarily.

### **Equipment Purchase History**

In 2010 an easement machine was purchased for \$46,000. Easement machines extend the capabilities of high pressure hydraulic sewer cleaners by allowing access to areas that are inaccessible to our trailer mounted sewer jetter. These areas include hillsides, creek beds, wooded areas, and fenced areas behind homes and businesses. There are many areas of Mulvane where it is not practical to park the sewer cleaning machine close to the manhole. Under those conditions the heavy hose must be drug by hand from the street to the alley or easement behind the property. It is a physically demanding task. We used to borrow two to three additional employees from other divisions to help with the task. Using this type equipment greatly reduces the need for exposing employees to the risk of back and leg injuries due to hose drags. Easement machines also provide the operator with the versatility of a hydraulically operated hose reel adjacent to the manhole where the operator can observe the action of the cleaning equipment and have accurate indication of the distance from the manhole to the cutting head. We used this machine in 2010. We are very pleased with its performance.

In 2008, the Wastewater Department purchased a new video inspection system. This system has proven itself to be a valuable upgrade for the city. We now have the ability to camera sewer mains quickly, with far less labor than the old unit required. A large percentage of the roots that obstruct our sewer mains find their way there through the customer's service lines. We are currently in the process of compiling the information learned from the camera inspection project into a Microsoft Access database. This database will help focus our collection system maintenance efforts in the areas that have the greatest need.

In 2006 a trailer mounted industrial vacuum unit was added to our fleet of equipment. Industrial vacuums have sufficient vacuum to lift heavy debris several feet. Utilities use industrial vacuum units in a variety of ways. Cleaning the grit from the manholes in our sewer collection system and removing the grease that accumulates in lift stations has been the primary use. We avoided spending several thousand dollars each year by using the vac-unit to remove lift station grease instead of using the expensive chemicals that we used in prior years. Using this equipment greatly reduces the need for exposing employees to the risk of confined space entries. The potential for lethal gases makes entering a manhole the most dangerous job that our city has.

Another use that is rapidly gaining popularity is excavating. Using this method avoids damage to underground pipes and wires. The type vac-unit that we purchased is equipped with 4,000 PSI water pressure tools that rapidly dislodge dirt while the vacuum hose deposits the dirt in the 500 gallon spoils tank that is easily dumped at the location of our choosing. Our Vac-Unit has proven to be a valuable asset to the Water Department and Electric Department as well as the Wastewater Department.

In 2001, a new jet rodder was purchased and put in service. This equipment is capable of doing a very good job of clearing sewer mains and removing roots. In 2013, around an 80% of our collection system was cleaned. We clean the majority of our lines every year, and some problem lines on 90 day intervals.

## WASTEWATER DEPARTMENT COLLECTION SYSTEM ACTIVITY

### Sewer Main Rehabilitation Projects

*Right---* Workers saturate a new liner with resin as it being fed into a sewer main. Later, it will be inflated with steam to make it conform to the sewer main. The heat from the steam will rapidly cure the new liner. The final operation will be using a robotic router, equipped with a camera, to trim the liner to accommodate the customer's services.



Much of our sewer system was constructed around 100 years ago. At that time, the common method of sewer construction incorporated clay tile pipe. The fact that it has lasted this long is a testament to its durability. However, clay tile pipe has some significant shortcomings compared to the modern PVC plastic pipe used today. The joints don't seal very well, leading to ground water inflow when the water table is high, as well as root intrusion. It's prone to cracking. Sometimes chunks of pipe will fall out, leaving exposed earth.

Over the past thirty years, trenchless techniques for sewer main repair have been perfected. The rehabilitation process, known as Cured In Place Pipe (CIPP) or Deform-Reform, is accomplished by inserting a resin-impregnated flexible felt tube into the existing sewer main. This tube is inflated with compressed air and cured with steam, or hot water to form a monolithic, structural-grade lining inside the existing pipe. This new lining seals out tree roots and groundwater infiltration. This process reduces maintenance requirements and extends the useful life of the sewer main. After the new lining is in place, a robotic camera and router is used to cut new openings for the customer's service lines.

Much of our 100 year old system is in remarkably good condition. We have identified and prioritized a few areas of our system that need repair.

In 2007, we completed our first CIPP project. The sewer main that was rehabilitated was about 1,300 feet in length, and located between Main Street and Mulvane Street, east of Olive Street. That project cost \$37,050.00.

In 2009, a section of sewer main 1,234 feet in length was rehabilitated. It is located between Main Street and Mulvane Street, west of Olive Street extending to Central Street. That project cost \$34,798.80, and was encumbered in the 2008 budget.

In 2010, two sewer main sections totaling 1,728 ft. in length were contracted for CIPP renovation at a total cost of \$38,707.20. Those sections are located between Edgewood and Edgemoor streets, and between First and Edgewood streets.

In 2013, two sections of sewer main were rehabilitated. They were located on both sides of Highland park Drive, and north of Franklin. The total length was 1,940 feet of sewer main at a total cost of \$43,650.00.

We intend to use our best efforts select a few areas that are in need of rehabilitation each year, and gradually improve Mulvane's Wastewater Collection System to preserve its condition for future Mulvane residents.

## 2014 Utility Department Year-End Report

### **Sewer Main Cleaning Activity.**

Wastewater department staff used our sewer jetting equipment to clean nearly 39 miles of sewer main in 2014. That amounts to about 80% of the entire sewer main in Mulvane's collection system. That is well above the industry standard of 30%.