Regional Forensic Science Center

Mission: To provide the highest quality medicolegal and forensic laboratory services in support of the criminal justice system, in a timely manner, for the citizens of Sedgwick County. Timothy P. Rohrig, Ph.D. Director

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Overview

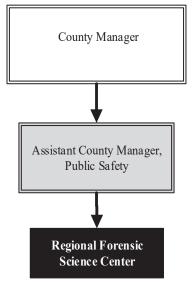
The Regional Forensic Science Center (RFSC) provides pathologistdirected autopsies to determine cause and manner of death of those individuals who die and come under the jurisdiction (violent or questionable deaths) of the District Coroner. The Center also functions as the "crime laboratory" for all law enforcement agencies within Sedgwick County.

The RFSC interacts daily with all law enforcement operations in the County, as well as the rest of the criminal justice system. In addition, the Center provides autopsy services to several other Kansas counties on a "cost recovery fee" basis.

Employed at the RFSC are nationally recognized scientists who respond to thousands of subpoenas each year and provide hundreds of hours of testimony in our courts.

Highlights

- The Center provided forensic services for 23 law enforcement agencies within Sedgwick County to aid in their investigation of crime occurring in our community
- Received and triaged 3,302 reported death calls
- Reported 105 Combined DNA Index System Database (CODIS) offender hit notifications to report suspected perpetrators of crimes



Strategic Goals:

- Provide timely, accurate, and well-documented postmortem examinations and forensic science analyses utilizing the most current practices and technologies
- Provide professional, unbiased, and unimpeachable interpretation of forensic results and provide the same in expert testimony provided to the courts
- Interact with law enforcement and other criminal justice agencies to facilitate the expeditious adjudication of criminal cases



Accomplishments and Priorities

Accomplishments

The RFSC maintained dual national accreditations from the National Association of Medical Examiners (NAME) and the American Society of Crime Laboratory Directors/ Laboratory Accreditation Board (ASCLD/LAB).

Professional staff from the RFSC provided testimony in numerous criminal trials in 2017. In several of these trials, the RFSC provided key evidence that lead to the accused being held accountable for his or her crime. The Center's pathology service, toxicology, and illicit drug identification laboratories were able to identify numerous opioids and other novel psychoactive substances (NPS's) abused and causing death in the community. DNA analysis conducted at the Center was responsible for the identification of a suspect within four days of the vicious attack of a seven-year-old girl.

Scientific staff of the Center published a technical article in the peer-reviewed literature and gave nine technical presentations at regional and national professional meetings. The Center also hosted the biannual meeting of the Southwestern Association of Forensic Toxicologists.

Strategic Results

The RFSC maintained all current national and international accreditations demonstrating that it is one of the premier forensic laboratories in the nation providing state of the art forensic analyses of physical (drugs, guns, and fire debris) evidence, biological evidence (DNA), and superior medico-legal death investigations. In 2017, more than 90.0 percent of postmortem examinations were completed in 90 days or less. The RFSC is approaching the strategic goal of completing 50.0 percent of all forensic laboratory reports within 60 days or less by 2019 [Table 1].

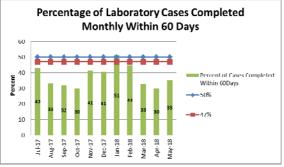


Table 1 Laboratory Reports



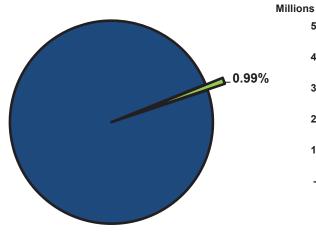
Significant Budget Adjustments

Significant adjustments to the Regional Forensic Science Center's 2019 budget include a \$309,762 reduction due to a one-time increase in intergovernmental revenue, a \$69,960 increase in revenue due to the new fee schedule, a \$96,558 reduction in commodities and a \$92,900 reduction in equipment due to the end of the National Institute for Justice DNA grant. Additional increases include \$34,680 for DNA testing, \$50,278 for equipment maintenance, and \$10,000 for a 0.50 FTE Part-Time Medical Investigator.

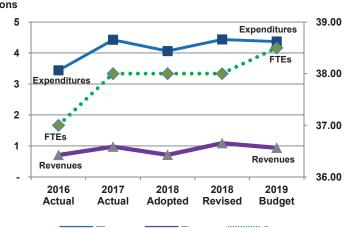
Divisional Graphical Summary

Regional Forensic Science Center

Percent of Total County Operating Budget



Expenditures, Program Revenue & FTEs All Operating Funds



Budget Summary by Category

	2016	2017	2018	2018	2019	Amount Chg	% Chg
Expenditures	Actual	Actual	Adopted	Revised	Budget	'18 Rev'19	'18 Rev'19
Personnel	2,709,956	3,123,072	3,379,006	3,379,006	3,568,012	189,006	5.59%
Contractual Services	404,052	423,099	338,311	411,755	394,868	(16,887)	-4.10%
Debt Service	-	-	-	-	-	-	
Commodities	326,900	419,767	347,105	546,131	406,622	(139,509)	-25.54%
Capital Improvements	-	-	-	-	-	-	
Capital Equipment	-	99,600	-	100,200	-	(100,200)	-100.00%
Interfund Transfers	-	361,632	-	-	-	-	
Total Expenditures	3,440,908	4,427,169	4,064,422	4,437,092	4,369,502	(67,591)	-1.52%
Revenues							
Tax Revenues	-	-	-	-	-	-	
Licenses and Permits	-	-	-	-	-	-	
Intergovernmental	59,777	192,215	-	376,487	-	(376,487)	-100.00%
Charges for Services	643,313	778,825	709,022	709,022	936,468	227,446	32.08%
All Other Revenue	700	821	700	700	834	134	19.10%
Total Revenues	703,790	971,862	709,722	1,086,209	937,302	(148,907)	-13.71%
Full-Time Equivalents (FTEs)							
Property Tax Funded	37.00	38.00	38.00	38.00	38.50	0.50	1.32%
Non-Property Tax Funded	-	-	-	-	-	-	
Total FTEs	37.00	38.00	38.00	38.00	38.50	0.50	1.32%

Budget Summary by Fund

	2016	2017	2018	2018	2019	Amount Chg	% Chg
Fund	Actual	Actual	Adopted	Revised	Budget	'18 Rev'19	'18 Rev'19
General Fund	3,427,470	4,227,729	4,064,422	4,064,422	4,369,502	305,080	7.51%
JAG Grants	404	22,154	-	75,458	-	(75,458)	-100.00%
Coroner Grants	13,035	177,287	-	297,213	-	(297,213)	-100.00%
Total Expenditures	3,440,908	4,427,169	4,064,422	4,437,092	4,369,502	(67,591)	-1.52%

(94,500)

(239,802)

0.50

Significant Budget Adjustments from Prior Year Revised Budget

	Expenditures	Revenues	FTEs
Reduction due to one-time increase in intergovernmental revenue		(309,762)	
Reduction due to the end of the National Institute for Justice DNA grant	(189,458)		
Increase in revenue due to new fee schedule		69,960	
Increase in contactuals for equipment maintenance	50,278		
Increase in commodities due to increased DNA testing	34,680		
Addition of 0.50 FTE Part-Time Medical Investigator	10,000		0.50

Total

						(01,000)		
Budget Summary b	y Progra	am						
		2016	2017	2018	2018	2019	% Chg	2019
Program	Fund	Actual	Actual	Adopted	Revised	Budget	'18 Rev'19	FTEs
RFSC Administration	110	359,158	770,019	394,345	394,845	526,971	33.46%	4.00
Biology/DNA Laboratory	110	400,084	540,427	576,691	574,691	583,764	1.58%	5.00
Lab Management	110	124,087	95,322	128,215	137,015	81,982	-40.17%	-
Toxicology	110	582,346	608,211	621,377	621,377	700,191	12.68%	6.00
Criminalistics Laboratory	110	534,355	558,964	636,572	633,572	635,460	0.30%	7.00
Autopsy	110	822,268	1,012,531	1,063,096	1,058,296	1,138,755	7.60%	8.00
Investigation	110	406,689	439,017	435,754	435,754	466,419	7.04%	5.50
Quality Assurance	110	198,482	203,237	208,373	208,873	235,959	12.97%	3.00
RFSC Other Grants	Multi.	13,438	199,441	-	372,671	-	-100.00%	-
Total		3,440,908	4,427,169	4,064,422	4,437,092	4,369,502	-1.52%	38.50

Personnel Summary By Fund

			Budgeted Co	ompensation C	omparison	FT	E Comparis	on
		- ·	2018	2018	2019	2018	2018	2019
Position Titles	Fund	Grade	Adopted	Revised	Budget	Adopted	Revised	Budget
Coroner/Medical Examiner	110	CONTRACT	193,800	198,645	198,645	1.00	1.00	1.00
Deputy Coroner	110	CONTRACT	346,992	355,667	366,217	2.00	2.00	2.00
Director Forensic Science Center	110	CONTRACT	181,304	185,837	185,837	1.00	1.00	1.00
Biology/DNA Laboratory Manager	110	GRADE132	80,064	80,716	80,716	1.00	1.00	1.00
Chief Medical Investigator	110	GRADE132	74,201	76,049	76,049	1.00	1.00	1.00
Chief of Criminalistics	110	GRADE132	75,572	77,461	77,461	1.00	1.00	1.00
Forensic Administrator	110	GRADE132	56,133	57,537	57,537	1.00	1.00	1.00
FSC Quality Assurance Manager	110	GRADE132	65,525	67,163	67,163	1.00	1.00	1.00
Toxiocology Laboratory Manager	110	GRADE132	55,661	57,053	57,053	1.00	1.00	1.00
Forensic Scientist III	110	GRADE130	343,240	346,026	346,026	6.00	6.00	6.00
Forensic Scientist II	110	GRADE129	245,980	249,709	249,709	5.00	5.00	5.00
Forensic Scientist I	110	GRADE127	172,030	174,762	174,762	4.00	4.00	4.00
Medical Investigator	110	GRADE126	197,232	200,346	200,346	4.00	4.00	4.00
Forensic Pathology Assistant	110	GRADE121	103,172	105,751	105,751	3.00	3.00	3.00
Administrative Assistant	110	GRADE120	33,507	30,705	30,705	1.00	1.00	1.00
Medical Transcriptionist	110	GRADE120	30,276	31,034	31,034	1.00	1.00	1.00
Evidence Technician	110	GRADE119	38,149	39,106	39,106	1.00	1.00	1.00
Laboratory Technician	110	GRADE119	31,354	32,140	32,140	1.00	1.00	1.00
Office Specialist	110	GRADE117	57,156	58,585	58,585	2.00	2.00	2.00
Medical Investigator	110	EXCEPT	-	-	-	-	-	0.50
						1		

Subtotal

Add:

Budgeted Personnel Savings Compensation Adjustments Overtime/On Call/Holiday Pay Benefits

Total Personnel Budget

Regional Forensic Science Center Administration

Forensic Administration provides technical and operational oversight for the Pathology and Forensic Laboratory Division of the RFSC. The Director, Forensic Administrator, Administrative Assistant, and Receptionist provide direction and support to the operational areas of the Center. The procurement of goods and services, revenue collection, safety and security, and administration of grants and contracts are managed through this program. The Program also serves as the point of contact and liaison to the public, other county divisions, and the criminal justice system as well as handling all Kansas Open Records Act and Criminal/Civil Discovery requests. The Director also serves as the Chief Toxicologist providing interpretation and courtroom testimony on matters relating to drug/poison death and human performance cases (Driving Under the Influence of Drugs – DUID).

Fund(s): County General Fund 110

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	341,538	387,626	376,545	376,545	443,011	66,465	17.7%
Contractual Services	12,896	10,441	13,100	12,600	9,500	(3,100)	-24.6%
Debt Service	-	-	-	-	-	-	-
Commodities	4,724	10,320	4,700	5,700	74,460	68,760	1206.3%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	361,632	-	-	-	-	0.0%
Total Expenditures	359,158	770,019	394,345	394,845	526,971	132,125	33.5%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	-	-	-	-	-	-	-
All Other Revenue	-	6	-	-	2	2	-
Total Revenues	-	6	-	-	2	2	0.0%
Full-Time Equivalents (FTEs)	3.00	3.00	3.00	4.00	4.00	-	-

Biology/DNA Laboratory

Biology/DNA Laboratory performs scientific analysis to detect and identify various biological fluids in support of criminal investigations. The Laboratory develops DNA profiles and maintains the local DNA database and searches the state and national DNA database. This analysis aids in the identification or elimination of individuals suspected of committing a crime. The majority of these forensic cases are of a violent nature; such as rape, homicide, and assaults.

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	307,048	428,496	446,333	446,333	464,555	18,222	4.1%
Contractual Services	27,461	7,219	28,000	26,000	16,850	(9,150)	-35.2%
Debt Service	-	-	-	-	-	-	-
Commodities	65,576	104,712	102,358	102,358	102,359	1	0.0%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	400,084	540,427	576,691	574,691	583,764	9,073	1.6%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	-	-	-	-	-	-	-
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-
Full-Time Equivalents (FTEs)	4.00	5.00	5.00	5.00	5.00	-	-

• Laboratory Management

Laboratory Management covers the required Federal and State licenses and the cost of mandatory continuing education for the Center's scientists and physicians. Laboratory Management also covers the cost of compressed gases used throughout the various forensic laboratories, hazardous chemical, and bio-medical waste disposal. Revenue consists of restitution paid by defendants convicted of a crime that involved casework performed by the RFSC laboratory.

Fund(s): County General Fund 110

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	42,729	13,788	47,515	47,515	632	(46,882)	-98.7%
Contractual Services	52,942	59,139	53,200	64,775	58,200	(6,575)	-10.2%
Debt Service	-	-	-	-	-	-	-
Commodities	28,415	22,396	27,500	22,725	23,150	425	1.9%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	124,087	95,322	128,215	135,015	81,982	(53,032)	-39.3%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	106,398	119,501	106,356	106,356	124,329	17,973	16.9%
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	106,398	119,501	106,356	106,356	124,329	17,973	16.9%
Full-Time Equivalents (FTEs)	1.00	1.00	1.00	-	-	-	-

Toxicology

The Toxicology Laboratory supports the District Coroner in death investigations and forensic toxicology support for local law enforcement. The services include complete postmortem studies, drug testing in sexual assault cases, and alcohol and drug testing in driving under the influence (DUI) cases. Revenue is comprised of fees collected for postmortem forensic testing for out of county autopsy cases.

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	337,265	357,551	378,530	378,530	400,313	21,783	5.8%
Contractual Services	97,043	119,223	97,500	102,200	167,878	65,678	64.3%
Debt Service	-	-	-	-	-	-	-
Commodities	148,038	131,438	145,347	140,647	132,000	(8,647)	-6.1%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	582,346	608,211	621,377	621,377	700,191	78,814	12.7%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	42,756	44,959	46,083	46,083	51,540	5,457	11.8%
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	42,756	44,959	46,083	46,083	51,540	5,457	11.8%
Full-Time Equivalents (FTEs)	6.00	6.00	6.00	6.00	6.00	-	-

• Criminalistics Laboratory

The Criminalistics Laboratory performs physical and/or chemical analysis of evidence collected by law enforcement from crime scenes. The type of casework encompasses illicit drug identification, firearms, arson/fire debris, and open containers of alcohol.

Fund(s): County General Fund 110

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	483,689	502,424	575,572	575,572	578,860	3,289	0.6%
Contractual Services	34,068	38,131	37,500	37,500	36,900	(600)	-1.6%
Debt Service	-	-	-	-	-	-	-
Commodities	16,598	18,409	23,500	22,500	19,700	(2,800)	-12.4%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	534,355	558,964	636,572	635,572	635,460	(111)	0.0%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	1,475	4,230	1,473	1,473	4,506	3,033	205.9%
All Other Revenue	-	40	-	-	41	41	-
Total Revenues	1,475	4,270	1,473	1,473	4,547	3,074	208.6%
Full-Time Equivalents (FTEs)	7.00	7.00	7.00	7.00	7.00	-	0.0%

Autopsy

Forensic pathology services are provided by Pathologists and Pathology Assistants who perform autopsies and external examinations necessary for the determination of cause and manner of death. The service is also responsible for the scientific identification of the decedent. The cost associated with the final disposition of indigents is funded by this fund center. Revenue consists of fees for autopsy services provided to other counties and cremation permits.

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	619,511	812,172	932,096	932,096	997,692	65,596	7.0%
Contractual Services	161,615	146,366	90,000	85,200	89,710	4,510	5.3%
Debt Service	-	-	-	-	-	-	-
Commodities	41,142	53,994	41,000	41,000	51,353	10,353	25.3%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	822,268	1,012,531	1,063,096	1,058,296	1,138,755	80,459	7.6%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	514,132	610,135	555,110	555,110	756,092	200,982	36.2%
All Other Revenue	700	775	700	700	791	91	0.1
Total Revenues	514,832	610,910	555,810	555,810	756,883	201,073	36.2%
Full-Time Equivalents (FTEs)	8.00	8.00	8.00	8.00	8.00	-	-

Investigation

Forensic Medical Investigations triages to all deaths reported to the Coroner Division. Staff will conduct a thorough and timely investigation of each case accepted to aid in the determination of cause and manner of death. In order to provide this service, a Medical Investigator is on duty 24 hours a day, 365 days a year. Medical Investigations assists with the identification of decedents, and expends considerable time and effort in searching background information by contacting multiple agencies and individuals in attempts to locate next-of-kin or other responsible parties to mitigate the cost of indigent burials.

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	398,405	431,165	426,793	426,793	458,689	31,896	7.5%
Contractual Services	6,197	5,847	6,961	6,961	5,730	(1,231)	-17.7%
Debt Service	-	-	-	-	-	-	-
Commodities	2,086	2,004	2,000	2,000	2,000	-	0.0%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	406,689	439,017	435,754	435,754	466,419	30,666	7.0%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	-	-	-	-	-	-	-
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	0.0%
Full-Time Equivalents (FTEs)	5.00	5.00	5.00	5.00	5.50	0.50	0.1

Quality Assurance

Quality Assurance coordinates and manages the activities in all laboratory sections relating to quality assurance and assists the Pathology Division in quality assurance practices. These activities include instrument calibrations and documentation, proficiency testing programs, development and implementation of quality assurance and quality control standard operating procedures, coordination of quality audits, and maintenance of personnel training records. This section ensures compliance with all State and Federal regulations and accreditation criteria. Costs associated with the RFSC's LAB accreditation and annual inspections come out of this fund center. The Quality Assurance section also houses the Evidence Section of the Forensic Laboratory, which manages all criminal evidence submitted to the Center.

Fund(s): County General Fund 110

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	179,770	189,851	195,623	195,623	224,259	28,636	14.6%
Contractual Services	11,830	14,766	12,050	12,250	10,100	(2,150)	-17.6%
Debt Service	-	-	-	-	-	-	-
Commodities	6,882	(1,380)	700	1,000	1,600	600	60.0%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	198,482	203,237	208,373	208,873	235,959	27,086	13.0%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	-	-	-	-	-	-	-
Charges For Service	-	-	-	-	-	-	-
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	-	-	-	-	-	-	-
Full-Time Equivalents (FTEs)	3.00	3.00	3.00	3.00	3.00	-	-

Regional Forensic Science Center Other Grants

During the past few years, the RFSC has received a variety of grants from various entities in the state, primarily for the acquisition of forensic equipment. These grants include Coverdell Forensic Science Improvement and Justice Assistance Grants (JAG). These grants have been used to supplement professional/technical staff training and equipment acquisition to enhance capacity and/ or capability. The funds at times have been used to support the cost of scientific staff.

Fund(s): Coroner - Grants 256 / Jag Grants 263

Expenditures	2016 Actual	2017 Actual	2018 Adopted	2018 Revised	2019 Budget	Amnt. Chg. '18 - '19	% Chg. '18 - '19
Personnel	-	-	-	-	-	-	-
Contractual Services	-	21,967	-	60,941	-	(60,941)	-100.0%
Debt Service	-	-	-	-	-	-	-
Commodities	13,438	77,874	-	211,530	-	(211,530)	-100.0%
Capital Improvements	-	-	-	-	-	-	-
Capital Equipment	-	99,600	-	100,200	-	(100,200)	-100.0%
Interfund Transfers	-	-	-	-	-	-	-
Total Expenditures	13,438	199,441	-	372,671	-	(372,671)	-100.0%
Revenues							
Taxes	-	-	-	-	-	-	-
Intergovernmental	59,777	192,215	-	376,487	-	(376,487)	-100.0%
Charges For Service	-	-	-	-	-	-	-
All Other Revenue	-	-	-	-	-	-	-
Total Revenues	59,777	192,215	-	376,487	-	(376,487)	-100.0%
Full-Time Equivalents (FTEs)	-		-	-	-	-	-