

Graphs and Data Analysis of Library Funding Structure and Sources 2009-2019

Data in this report is taken from Drayton Valley Municipal Library's Annual Audits of Financial Statements from 2009 to 2019.

Data compiled and presented

by

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On behalf of

the Drayton Valley Municipal Library Board

July 5, 2019

Data Table A: Library Revenues 2009-2019 (with total 10-year financial contribution sum in dollars)

	Town Appropriation	AB Gov (Town pop.)	Brazeau Appropriation	YRL (Brazeau Pop.)	Parkland Appropriation	STAR Catholic	Other Grants	Donates	Operation Revenues
2009 *	\$ 212611	\$ 37222	\$ 186038	AB Gov Granted to Brazeau County Library Board (Included in BC Appropriation)	\$ 6850	\$ 0	\$ 3762	\$ 6819	\$ 8913
2010	\$ 252565	\$ 37222	\$ 221267		\$ 7200	\$ 16599	\$ 7278	\$ 5950	\$ 18039
2011	\$ 180302	\$ 37222	\$ 189658		\$ 7680	\$ 13486	\$ 17381	\$ 5021	\$ 20667
2012 **	\$ 224011	\$ 37567	\$ 204995		\$ 8000	\$ 13146	\$ 7058	\$ 3250	\$ 25132
2013	\$ 307706	\$ 37567	\$ 226928		\$ 8000	\$ 13132	\$ 2200	\$ 1564	\$ 17108
2014	\$ 263603	\$ 37567	\$ 211036		\$ 2283	\$ 13042	\$ 9845	\$ 3340	\$ 13563
2015 ***	\$ 338380	\$ 39121	\$ 261260		\$ 5600	\$ 13101	\$ 1800	\$ 2460	\$ 14594
2016	\$ 323261	\$ 39122	\$ 244829		\$ 2900	\$ 13414	\$ 1800	\$ 1790	\$ 13695
2017	\$ 328758	\$ 39122	\$ 225000	\$ 27976	\$ 2700	\$ 13208	\$ 6910	\$ 965	\$ 13241
2018	\$ 328758	\$ 39122	\$ 227835	\$ 27976	\$ 3101	\$ 13117	\$ 7267	\$ 2300	\$ 15082
2019	\$ 328758	\$ 39122	\$ 227925	\$ 27976	\$ 3206	\$ 13220	\$ 6047	\$ 5000	\$ 10000
Total 10-Year Contribution	\$ 3,088,713	\$ 419,976	\$ 2,426,771	\$ 83,928	\$ 57,520	\$ 135,465	\$ 71,348	\$ 38,459	\$ 170,034

Notes on Table A: Municipal Appropriations: Library services are accessible to all residents and rate-payers of the Town of Drayton Valley, Brazeau County and surrounding areas. Library operations are heavily dependant on combined support from the municipalities and the Alberta government (**\$6,019,388**). Municipality appropriations from Brazeau County have historically been determined by separate memoranda of understanding with respect to establishing index-based models for calculating library support funding. The Town appropriation has depended on annual fluctuations in the difference between projected deficits and all other anticipated revenue sources.

AB Gov Grant revenues are separate from municipal appropriations as Municipal Affairs is the funding source, not the municipality. AB Gov Grants volumes change infrequently (every 3-5 years) when Municipal Affairs either increases the per capita rate or updates census data used to calculate the grant amount.

* **2009-11:** AB Gov grant was calculated at **\$5.40 per capita** using the most recent **2006 census data** from Stats Can: Town = 6893 x \$5.40 = \$37222 / Brazeau = 7040 residents x \$5.40 = \$38016);

** **2012-14:** AB Gov grant was calculated at **\$5.45 per capita** using **2010 census data** from Stats Can (Stats Can census was not updated until 2011, therefore the grant was calculated using 2006 census): Town = 6893 x \$5.45 = \$37567 / Brazeau = 7040 residents x \$5.45 = \$38368);

*** **2015-present:** the AB Gov grant has been calculated at **\$5.55 per capita** using **census data** from Stats Can: Town = 7049 x \$5.55 = \$39122 / Brazeau = 7201 residents x \$5.55 = \$39966.

The AB Gov Grant for Brazeau County residents used to be paid to Brazeau County Library Board (BCLB) until the municipality dissolved its Board in 2016. Prior to 2016 the AB Gov Grant was funneled through the County's finance department to be directed to Drayton Valley Library Board (at 70%) and Breton Library Board (at 30%). Following the dissolution of BCLB, and because Brazeau did not have a physical library within its municipality, the AB Gov Grant was directed to YRL with instruction to continue distributing funds to Drayton Valley Library Board (at 70%) and Breton Library Board (at 30%). The 2017 and 2018 audits record the "YRL Grant" as \$27976; this confirms the calculated AB Gov Grant using 2011 census data [(7201 residents x \$5.55 = \$39966) x 70% = **\$27976**].

The Drayton Valley Library Board's annual audits from 2009-2015 did not delineate between the Brazeau County appropriation and Municipal Affairs AB Gov Grant for Brazeau residents. Therefore, Brazeau appropriations are mis-represented in their actual total 10-year financial and percent contributions. Extrapolation of annual AB Gov Grants for Brazeau County from 2009-11 = \$26611 annually, from 2012-14 = \$26858 annually, and from 2015 to present \$27976 annually.

Subtracting the AB Gov Grant volumes from the recorded Brazeau appropriation amounts yields a more accurate assessment of contributions from Brazeau County for appropriation separate from the **AB Gov Grant** paid by Municipal Affairs through YRL. Adjusted figures are included in **Data Table B**.

Data Table B: Adjusted Library Revenues 2009-2019 (with total 10-year financial contribution sum in dollars and percentage calculations)

	Town Appropriation	AB Gov (Town pop.)	Brazeau Appropriation	AB Gov (Brazeau Pop.)	Parkland Appropriation	STAR Catholic	Other Grants	Donates	Operation Revenues
2009 *	\$ 212611	\$ 37222	\$ 159427	\$ 26611	\$ 6850	\$ 0	\$ 3762	\$ 6819	\$ 8913
2010	\$ 252565	\$ 37222	\$ 194656	\$ 26611	\$ 7200	\$ 16599	\$ 7278	\$ 5950	\$ 18039
2011	\$ 180302	\$ 37222	\$ 163047	\$ 26611	\$ 7680	\$ 13486	\$ 17381	\$ 5021	\$ 20667
2012 **	\$ 224011	\$ 37567	\$ 178137	\$ 26858	\$ 8000	\$ 13146	\$ 7058	\$ 3250	\$ 25132
2013	\$ 307706	\$ 37567	\$ 200070	\$ 26858	\$ 8000	\$ 13132	\$ 2200	\$ 1564	\$ 17108
2014	\$ 263603	\$ 37567	\$ 184178	\$ 26858	\$ 2283	\$ 13042	\$ 9845	\$ 3340	\$ 13563
2015 ***	\$ 338380	\$ 39121	\$ 233284	\$ 27976	\$ 5600	\$ 13101	\$ 1800	\$ 2460	\$ 14594
2016	\$ 323261	\$ 39122	\$ 216853	\$ 27976	\$ 2900	\$ 13414	\$ 1800	\$ 1790	\$ 13695
2017	\$ 328758	\$ 39122	\$ 225000	\$ 27976	\$ 2700	\$ 13208	\$ 6910	\$ 965	\$ 13241
2018	\$ 328758	\$ 39122	\$ 227835	\$ 27976	\$ 3101	\$ 13117	\$ 7267	\$ 2300	\$ 15082
2019	\$ 328758	\$ 39122	\$ 227925	\$ 27976	\$ 3206	\$ 13220	\$ 6047	\$ 5000	\$ 10000
Total 10-Year Contribution	\$ 3,088,713	\$ 419,976	\$ 2,210,412	\$ 300,287	\$ 57,520	\$ 135,465	\$ 71,348	\$ 38,459	\$ 170,034
Total 10-year Contribution	Town Appropriation	AB Gov (Town pop.)	Brazeau Appropriation	YRL (Brazeau Pop.)	Parkland Appropriation	STAR Catholic	Other Grants	Donates	Operation Revenues
	\$ 3,088,713	\$ 419,976	\$ 2,210,412	\$ 300,287	\$ 57,520	\$ 135,465	\$ 71,348	\$ 38,459	\$ 170,034
	47.6%	6.5%	34.1%	4.6%	0.9%	2.1%	1.1%	0.5%	2.6%

Notes on Table A: Over the 10-year evaluation period the Town of Drayton Valley appropriations have accounted for nearly **48%** of all Library funding (\$3,088,713 / \$6,492,214 = **47.6%**). Brazeau County appropriations have accounted for just over **34%** of all library funding (\$2,210,412 / \$6,492,214 = **34.1%**). The AB Gov Grant for Town population accounts for **6.5%** of all library funding. The AB Gov Grant for 70% of County population is forwarded to Drayton Valley Library and accounts for **4.6%** of all library funding, the remaining 30% of the AB Gov Grant for County population is forwarded to Breton Library Board.

Other revenues include Parkland County appropriation, STAR Catholic appropriation, other grants, donations and operational revenues. **Parkland County (PC)** appropriations are calculated annually at a per-capita rate of PC residents that are registered and circulate materials through Drayton Valley Library. The decline in PC appropriation between 2013-2014 is due to fluctuations in patron distribution patterns for accessing the most convenient library service point, often driven by employment migration, library collection size or service level. PC Appropriations account for approximately **1%** of source funding over the 10-year period.

Drayton Valley Rotary Children’s Library opened its doors in autumn 2009. **STAR Catholic** appropriation for 2010 includes the appropriation for September-December 2009. The annual STAR Catholic Appropriation is calculated using a formula with a fixed rate that has not changed since the original agreement was signed in 2009; this agreement and the funding structure is currently being reviewed. STAR Catholic Appropriations account for about **2.1%** annually.

Other Grants, Donations and Operating Revenues fluctuate annually depending on the success of supplementary funding applications, community support, and marketing of library service offerings and alternative revenue streams; however, these revenues consistently account for about **0.5%-3%** of annual revenues.

The data is represented graphically in **Charts 1** through **5**.

Chart 1: Pie Chart of Library Revenues 2009-2019 by Source
 (using total 10-year sum financial contribution by source)
 Represented in Percent Contributions

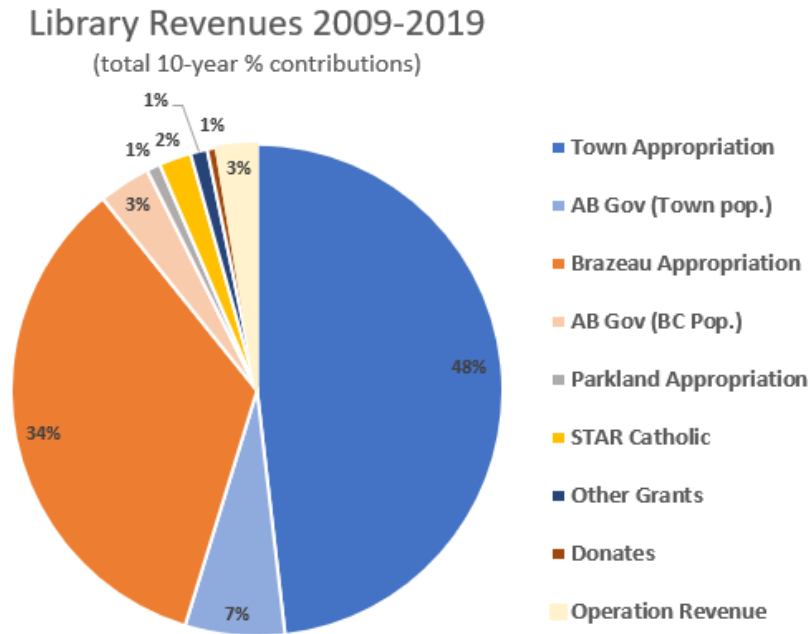


Chart 2: Pie Chart of Library Revenues 2009-2019 by Source
 (using total 10-year sum financial contribution by source)
 Represented in Dollar Contributions

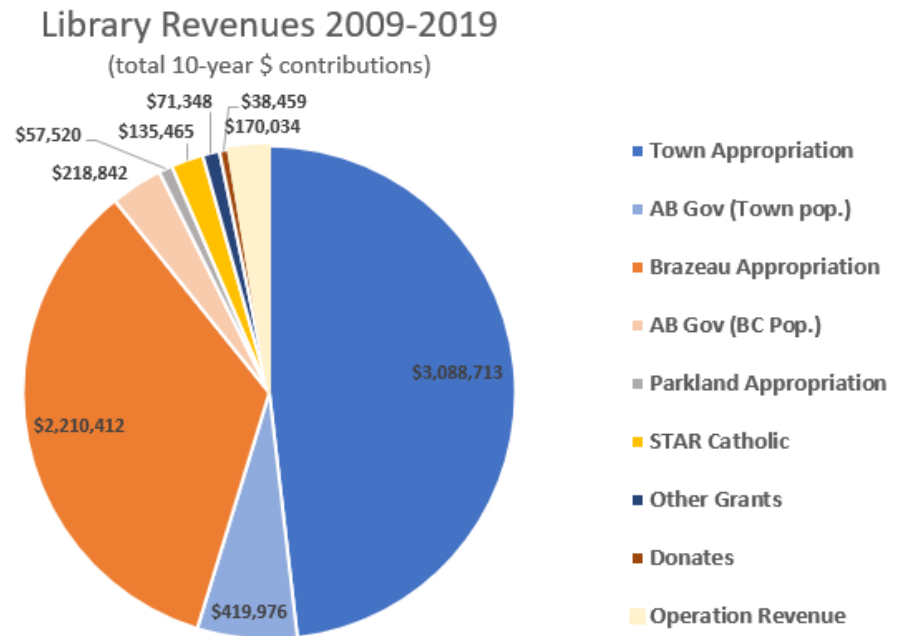
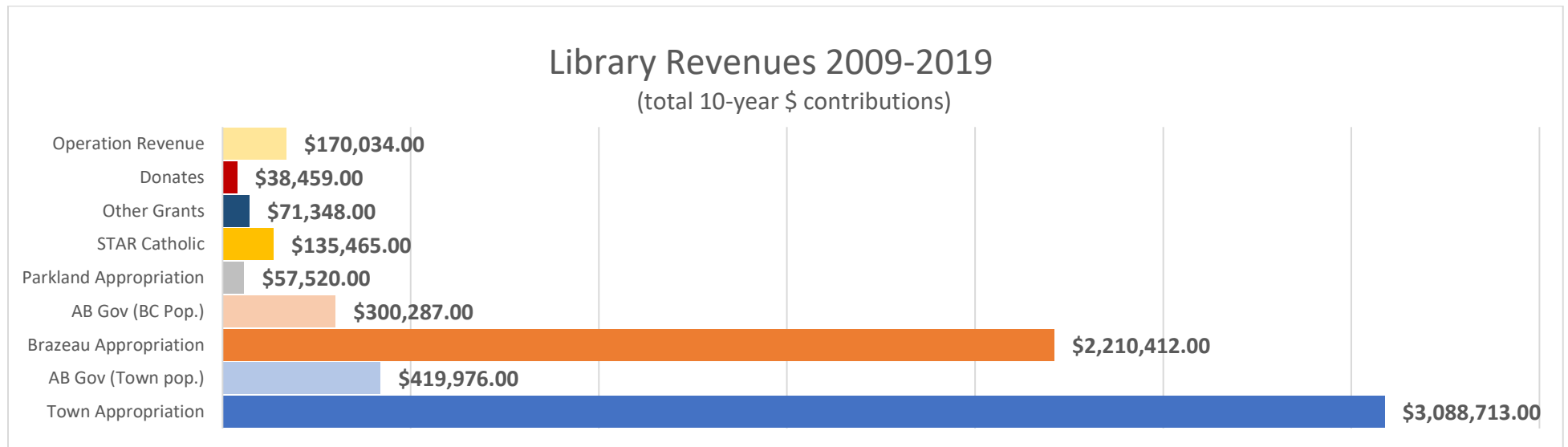


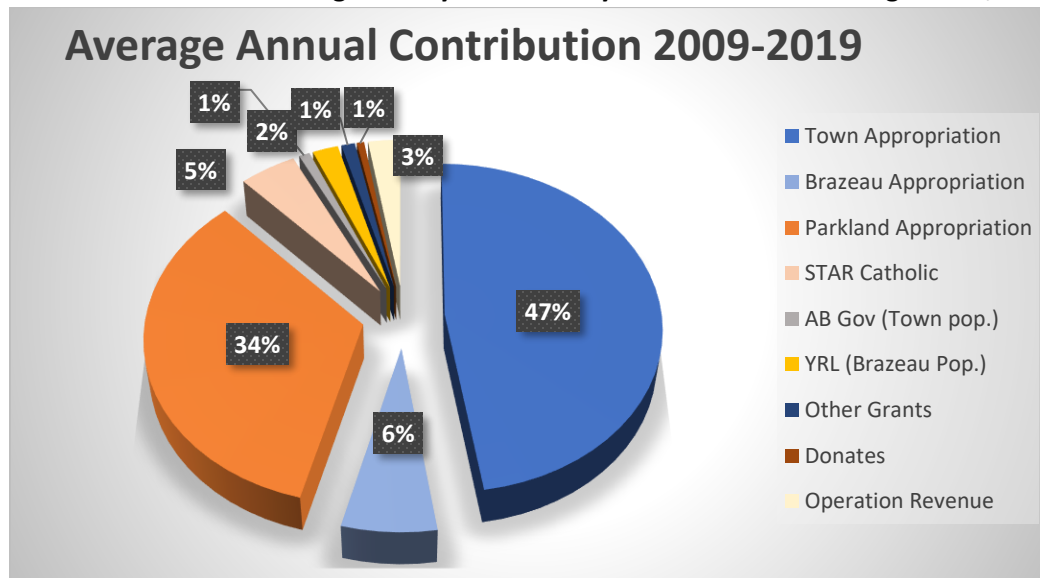
Chart 3: Cluster Bar Graph of Library Revenues 2009-2019 by Source (displaying 10-year sum financial contribution by source)



Data Table C: Average Annual Contributions 2009-2019 (with percentage calculation)

	Town Appropriation	AB Gov (Town pop.)	Brazeau Appropriation	YRL (Brazeau Pop.)	Parkland Appropriation	STAR Catholic	Other Grants	Donates	Operation Revenues
2009 *	\$ 212611	\$ 37222	\$ 159427	\$ 26611	\$ 6850	\$ 0	\$ 3762	\$ 6819	\$ 8913
2010	\$ 252565	\$ 37222	\$ 194656	\$ 26611	\$ 7200	\$ 16599	\$ 7278	\$ 5950	\$ 18039
2011	\$ 180302	\$ 37222	\$ 163047	\$ 26611	\$ 7680	\$ 13486	\$ 17381	\$ 5021	\$ 20667
2012 **	\$ 224011	\$ 37567	\$ 178137	\$ 26858	\$ 8000	\$ 13146	\$ 7058	\$ 3250	\$ 25132
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2017	\$ 328758	\$ 39122	\$ 225000	\$ 27976	\$ 2700	\$ 13208	\$ 6910	\$ 965	\$ 13241
2018	\$ 328758	\$ 39122	\$ 227835	\$ 27976	\$ 3101	\$ 13117	\$ 7267	\$ 2300	\$ 15082
2019	\$ 328758	\$ 39122	\$ 227925	\$ 27976	\$ 3206	\$ 13220	\$ 6047	\$ 5000	\$ 10000
10-Year Average	\$ 280,792	\$ 38,180	\$ 200,947	\$ 27,355	\$ 5,229	\$ 12,315	\$ 6,486	\$ 3,496	\$ 15,458
Total 10-year Contribution	Town Appropriation	AB Gov (Town pop.)	Brazeau Appropriation	YRL (Brazeau Pop.)	Parkland Appropriation	STAR Catholic	Other Grants	Donates	Operation Revenues
	\$ 280,790	\$ 38,180	\$ 200,947	\$ 27,355	\$ 5,229	\$ 12,315	\$ 6,486	\$ 3,496	\$ 15,458
	47%	6%	34%	5%	1%	2%	1%	1%	3%

Chart 6: Pie Chart of Average Library Revenues by Source in Current Budget Year, 2019

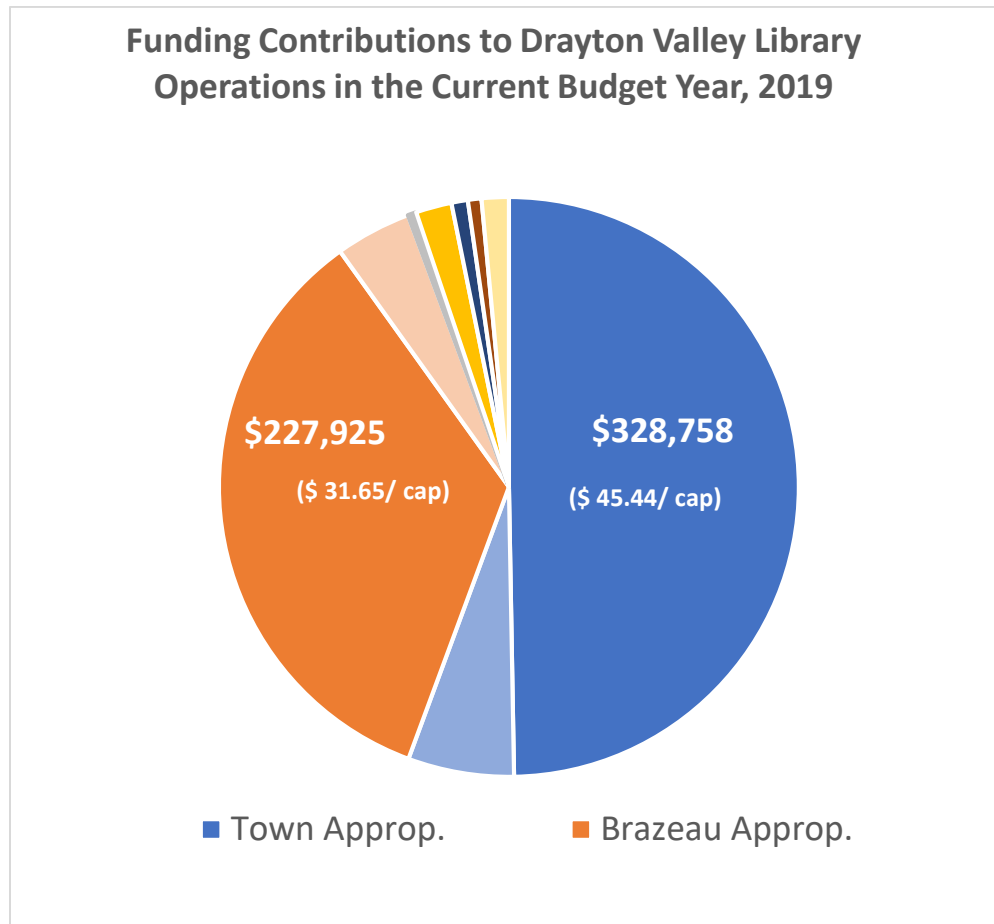


Notes on Data Table C and Chart 6

Annual average contributions extrapolated over the 10-year period 2009-2019 removes the fluctuation in dollar values from one budget year to the next. The average values do not reflect the current 2019 budget values; however, the percent values are within a 1% margin of error when compared to the 10-year total contributions percentages as shown in Chart 1.

The least significant changes in comparing percentage of total versus average contributions are observed in the Parkland Appropriation (1%), Star Catholic (2%), Other Grants (1%), Donations (1%) and Operational Revenues (3%). Therefore, the data fields will remain in tables and appear on graphs, but their impact on overall library funding will not be addressed further in the assessment notes.

Chart 7: Pie Chart of DV Library Revenues by Source in current Budget Year, 2019



Notes on Chart 7

Municipal Affairs is currently using 2014 census data to calculate the AB Gov Grant; however, the most recent census was conducted in 2016 and these statistics post-date the 2014 figures used to calculate grants; therefore, Municipal Affairs is using **2011 census** information. This same outdated census information will likely be used to calculate the AB Gov Grant in 2020.

The 2011 census for Drayton Valley is **7118** residents. The 2011 census for Brazeau is **7132** residents. These census figures are nearly identical: 7118:7132 OR **50:50**.

The most recent census data can be observed as a comparator for reviewing current appropriations. Drayton Valley population **7235** residents, Brazeau County's population of **7771** residents. 7235:7771 OR **48:52**.

However, The Town of Drayton Valley contributed **\$328,758** to Drayton Valley Libraries in 2019. Brazeau County contributed **\$227,925** to Drayton Valley Libraries in 2019.

This ratio calculates as \$328758:\$227925 OR **59:41**.

The ratio is lopsided from the 50:50 ratio using 2011 census and even further lopsided from the 48:52 ratio using 2016 census.

The Town's current level of support is **\$45.44 per capita** towards Library funding. Based on the County's current level of support is **\$31.65 per capita** towards Drayton Valley Library funding.

Additional Comments: Breton's 2011 population was 496 residents (2016 census = 574). The Breton Library Board receives an AB Gov Grant from Municipal Affairs of **\$2753** ($496 \times \$5.55 = \$2,753$) for its population. Brazeau County allocates 30% of the AB Gov Grant through YRL to Breton Library amounting to **\$11,990** [$(7201 \text{ residents} \times \$5.55 = \$39,966) \times 30\% = \$11,990$]. Brazeau County also provides Breton an additional **\$53,498** in appropriation. The combined County Appropriations to both Drayton Valley and Breton Library Board is **\$281,423** [$\$227,925 + \$53,498 = \$281,423$]. To fairly assess County's level of all library funding support based on population, the combined census data must include both County and Breton using 2011 census ($7201+496 = 7697$).

The County's current level of support for library services within the County's municipal border is **\$36.65 per capita** ($\$281,423 \div 7697 = \36.56) including library operations in both Drayton Valley and Breton. Taking this consolidated data into consideration, the ratio for library support per capita for Town vis-a-vis Brazeau County is **\$45.44 (Town) : \$36.56 (County) = ~ 55 : 45** ratio.