

City of Spruce Grove: Offsite Levy Review

Version 4 (FINAL) February 9th, 2018

Prepared by:

Greg Weiss, President
CORVUS Business Advisors
9670 – 95 Avenue
Edmonton, AB T6C 2A4
(780) 428-4110
gweiss@corvusbusinessadvisors.com
www.corvusbusinessadvisors.com

This document has been prepared by CORVUS Business Advisors for the sole purpose and exclusive use of the City of Spruce Grove.

1 DOCUMENT INFORMATION

Version Number	Revision Date	Summary of Changes and Author
1.0	September 1 st , 2017	DRAFT: Created by CORVUS Business Advisors
2.0	October 5th, 2017	DRAFT: Reviewed with Project Team
3.0	December 5 th , 2017	DRAFT: City Amendments to Areas
4.0	February 9th, 2018	Final: Reviewed with Council and Public

2 CONTENTS

1 DOCUMENT INFORMATION	
2 CONTENTS	
3 INTRODUCTION	
3.1 Introduction	1
3.2 METHODOLOGY	1
4 KEY FINDINGS	2
5 RATES	4
6 RECOMMENDATIONS	5
7 ACKNOWLEDGEMENTS	
8 DISCLAIMER	6
APPENDIX A: OFFSITE LEVY AREAS AND STAGIN	G7
APPENDIX B: WATER OFFSITE INFRASTRUCTURE	12
APPENDIX C: SANITARY OFFSITE INFRASTRUCTO	JRE19
APPENDIX D: TRANSPORTATION OFFSITE INFRA	STRUCTURE26
APPENDIX E: OFFSITE LEVY RESERVE RECONCIL	39
APPENDIX F: BENCHMARK COMPARISONS	41
APPENDIX G: PROJECT DETAILS	42

3 INTRODUCTION

3.1 Introduction

Bylaw C788-11, established by the City of Spruce Grove ("the City") in 2011 defines offsite levy charges pertaining to water, sanitary and transportation offsite infrastructure for the municipality. The City wishes to update this bylaw, adding additional offsite infrastructure in alignment with the City's latest capital/master plans, and ensuring updated costs and development forecasts are reflected fairly and equitably in new rates, thereby ensuring a financially sustainable community.

This report outlines the methodology and information used in establishing transportation, water, and sanitary offsite levy rates for the City, as well as other key findings and recommendations.

3.2 Methodology

The City of Spruce Grove has various infrastructure capital/master plans, and these plans have been used by City staff as a start point for developing key information for this offsite levy rate review. City staff reviewed existing plans and identified offsite projects for transportation, water, and sanitary infrastructure 182. The City's assessment also included determination of benefits to existing development, future development, and benefiting areas.

Support provided by CORVUS Business Advisors included:

- Provision of the CORVUS offsite levy model, including configuration, priming, and data loading.
- Facilitation of a workshop to determine offsite levy area boundaries.
- Incorporation of offsite levy area measurements and land development forecasts (provided by City staff).
- Incorporation of infrastructure costs and allocation percentages for existing development, new development, and other parties (provided by City staff).
- Establishment of offsite levy reserve opening balances (historical reconciliations provided by City staff).
- Development of transportation, water, and sanitary offsite levy rates.
- Presentation of offsite levy rates and background information to Administration, Council, and the public.

¹ It was not within CORVUS' scope of work to review the City's capital/master plans. Plans were reviewed and refined by City staff.

² Currently, all stormwater infrastructure in the City is "onsite" in nature and, therefore, was not included in the scope of this analysis. Should the City add offsite stormwater infrastructure to its capital plans in the future, the offsite levy model and bylaw can be amended during one of the annual updates to include stormwater charges.

Offsite levy rates within the CORVUS offsite levy model are forecast using a rolling 25-year review period. During this review, a cut-off date of December 31st, 2016 was established, and so the review period stems from 2017 to 2041. The cut-off date coincides with the City's most recent year-end when the project started. Project expenditures, offsite levy receipts etc. were gathered as "actuals" from the City's financial records up to the cut-off date. Beyond the cut-off date, all financial details are estimates. When the City completes its next rate update, information from January 1st, 2017 up to the new cut-off date will be converted from estimates to actuals.

Costs that benefit development prior to and within the 25-year review period are included in rates. Costs that benefit development beyond the review period (called "financial oversizing") are excluded from rates. In future years, when rates are updated and the rolling 25-year period moves further out, offsite infrastructure costs beyond 2041 will gradually be included in rates.

4 KEY FINDINGS

Key findings pertaining to the establishment of City offsite levy rates are as follows:

 Offsite infrastructure costs to be included in the offsite levy bylaw total approximately \$158.97 million (2017 dollars). An overview of offsite infrastructure costs and maps is provided in Appendices B1, C1, and D1.

Before determining how the infrastructure costs will be allocated to parties that benefit (e.g., existing development, new development, other municipalities etc.), financing provided by way of special ear-marked grants and other contributions are deducted from offsite infrastructure costs. For this review, the City has identified approximately \$1.31 million in grants and contributions. An overview of grants and contributions and resulting net costs is provided in Appendices B2, C2, and D2.

The share of costs which benefits existing development (the City's share) is \$0.00; and, the share of costs which benefits other stakeholders (e.g., neighbouring municipalities) is \$0.00.

The share of costs which benefits future development totals approximately \$157.65 million and is based on the allocations shown in Appendices B4, C4, and D4. However, a portion of the cost which benefits future development is beyond the 25-year review period (called "financial oversizing"). Financial oversizing is determined based on the anticipated year of construction (construction staging) which is provided in Appendices B3, C3, and D3.

Of the \$157.65 million in total offsite infrastructure costs which benefits future development, the portion that is included in rates today (the offsite levy share) is approximately \$105.28 million, as shown in the table below. A complete summary of offsite infrastructure net cost "flow-thru" is provided in Appendices B6, C6, and D6.

Infrastructure	10000	ecial Grants ontributions	1000	uni Share of Costs	Other Stakeholders' Share of Costs			veloper Cost yond 25 Yrs (Financial Oversizing)	Title on	Developer Costs (In Rates)	Total Costs
Transportation	8	151,961	\$	2.4	S		\$	51,277,032	S	68,275,215	\$ 119,704,208
Water	\$	was Plane	\$	9.7	S		\$	316,800	\$	18,406,372	\$ 18,723,172
Sanitary	\$	1,163,038	\$	14	S		\$	781,009	S	18,598,428	\$ 20,542,475
Stormweter	\$		\$	- 2	S	320	\$	- Various (1971)	S		\$
Total	\$	1,314,999	\$	- 0-	\$	1.5	\$	52,374,841	S	105,280,015	\$ 158,969,855

Summary of Infrastructure Costs & Allocations³

Before allocating infrastructure costs to benefitting lands, offsite levy costs must be reduced by the amount of levies collected to date. Up to December 31st, 2016, the City has collected \$34.53 million as shown in Appendices B5, C5, and D5.

- To facilitate the allocation of infrastructure costs to those lands that benefit from the infrastructure, the City is parsed into 11 offsite levy areas. The area boundaries, numbering schema, and area measurements are described in Appendix A along with an offsite levy map; and, an overview of offsite infrastructure allocations to each benefitting area is provided in Appendices B7, C7, and D7.
- To calculate offsite levy rates, it is necessary to forecast the amount of land that will develop during the 25-year review period. Land development forms the denominator of the rate calculation. A larger denominator reduces rates, but could potentially result in under-collection thereby placing an increased burden on tax payers. A smaller denominator increases rates, but could potentially result in over-collection thereby placing an increased burden on future development. Accordingly, land development forecasts need to be (a) reasonable and reflect current planning assumptions including the current pace of development in the community, and (b) updated regularly.

For this review, the City is forecasting development of approximately 799 ha, over the 25-year review period (approximately 32 ha. per year on average). The land development forecast and underpinning assumptions are shown in Appendix A.

- Offsite Levy Reserves. The City is currently managing offsite levy receipts and withdrawals via three reserves/accounts (i.e., one reserve/account for each infrastructure type), and this in alignment with MGA requirements. The reason this is a requirement is because offsite levies can only be used for the type of infrastructure for which they were collected (e.g., water levies can only be used to construct water offsite infrastructure, not sanitary infrastructure etc.). During the project, the City staff identified several amendments to historical information. Accordingly, the City's offsite levy reserve balances require amendment as shown in Appendices B8, C8, D8, and E.
- Interest. Offsite levy reserves/accounts (both actual and forecast) are impacted by interest. Actual reserve inflows and forecast reserve balances that are in a positive position earn interest (as required by the MGA). Actual reserve outflows and forecast

³ Moving forward, assuming project costs, anticipated year of construction, and development staging remain unchanged, each year when rates are updated an average of approximately \$4 million will "shift" from financial oversizing to rates. All financial oversizing will be included in rates within 15 years.

reserve balances that are in a negative position are charged interest (forecast balances that are negative indicate that front-ending will be required).

An overview of reserve/account interest rates and forecast balances over the 25-year review period is shown in Appendices B9, C9, and D9.

Front-ending. Front-ending is an extremely important concept that underpins rigorous management of offsite levies. Front-ending represents debts owed by future development to the municipality for past construction undertaken by the municipality on behalf of future development—i.e., a municipality will often pay for its share of an offsite infrastructure project in addition to that portion of the project which benefits future development when offsite levy reserve balances are insufficient to pay for future development's share of the project.

Because front-ending balances represent debts owed to the municipality, they need to be clearly reflected in official municipal documents such as levy account/reserve balances, financial statements (e.g., front-ending notes), or accounts receivables, etc. This documentation enables the municipality to collect on these debts as future development occurs, and offsite levies are collected.

At end 2016, City documentation reflected a front-ending balance of approximately \$7.53 million in the transportation reserve. However, after adjustments (discussed above), the new front-ending balance in the transportation reserve will be approximately \$4.50 million at the end of 2016.

At end 2016, City documentation reflected a front-ending balance of \$0.00, and a surplus of approximately \$2.85 million in the water reserve. After adjustments, the new front-ending balance will remain at \$0.00, but the surplus will be adjusted to approximately \$2.53 million at the end of 2016.

At end 2016, City documentation reflected a front-ending balance of approximately \$7.09 million in the sanitary reserve. After adjustments, the new front-ending balance in the sanitary reserve will be approximately \$6.76 million at the end of 2016.

In total, the front-ending balance across all three reserves is being adjusted from approximately \$14.63 million to approximately \$11.26 million at the end of 2016.

A complete reconciliation of reserve balances for each of the 3 reserves/accounts the City needs to maintain is provided in Appendices B8, C8, D8, and E.

5 RATES

For future development to pay for its share of the \$158.97 million infrastructure costs in the City, rates are approximately \$86,500 per net hectare on a weighted average basis, as shown in table below. This rate is lower compared to other municipalities of similar size in Alberta (a comparison of rates to other municipalities is outlined in Appendix F). Most importantly, these rates reflect the actual cost of infrastructure required to facilitate development in the City.

Offsite Levy Rates: Highs, Lows, and Averages⁴

	nsportation Levies /Net Ha.)	100000000	er Levies Net Ha.)	C0000000000000000000000000000000000000	ary Levies Net Ha.)	Total (/Net Ha.)			
High	\$ 59,983	\$	20,643	\$	53,336	\$	133,961		
Low	\$ 59,983	\$	6,505	\$		\$	66,487		
Weighted Average	\$ 59,983	\$	9,404	\$	17,110	\$	86,497		

Summary of Offsite Levies by Area

Area #	100	sportation Levies	Water Levies	Sanitary Levies		Total
1.0	\$	59,983	\$ 6,505	\$ -	\$	66,487
2.0	\$	59,983	\$ 6,505	\$ 18,980	\$	85,467
3.0	\$	59,983	\$ 6,505	\$ 18,980	\$	85,467
4.0	\$	59,983	\$ 6,505	\$ 1,906	\$	68,393
5.0	\$	59,983	\$ 6,505	\$ 1,906	\$	68,393
6.0	\$	59,983	\$ 6,505	\$ -	\$	66,487
7.0	\$	59,983	\$ 6,505	\$ 	\$	66,487
8.0	\$	59,983	\$ 20,643	\$	\$	80,625
9.0	\$	59,983	\$ 6,505	\$ 7	\$	66,487
10.0	\$	59,983	\$ 20,643	\$ 53,336	\$	133,961
11.0	\$	59,983	\$ 20,643	\$ 53,336	S	133,961

6 RECOMMENDATIONS

CORVUS recommends the following:

- Implement the offsite levy rates outlined in Section 5.
- Ensure the offsite levy bylaw reflects the requirement for an annual update of offsite levy rates and delivery of an <u>annual update report to Council</u>. In addition to enabling compliance with MGA requirements, regular updates ensure offsite levy rates do not "decay", and Council is apprised regularly of the status of changes, reserves balances, etc.
- 3. Amend the opening balances of each reserve as reflected in Appendices B8: \$2,527,299, C8: \$(6,759,569), and D8: \$(4,496,792),
- Establish <u>sub-ledgers</u> for each reserve/account to track amounts owed to each frontending party (the City may not be the only front-ending party in the future).
- During the reconciliation of future reserve balances, ensure the interest earning and charge rates that underpin the offsite levy bylaw for that time period are used to

⁴ Highs, Lows, and Averages are shown for information purposes only. Developers pay the actual rate applicable to their specific development area and development type.

- determine reserve interest impacts. This is outlined in the offsite levy model user guide and instructions for the annual rate update.
- Develop an offsite levy <u>policy framework</u> to aide in effective implementation of the bylaw. There are about a dozen policy areas for which the MGA provides no guidance, but the City will require clarity on to effectively implement the bylaw.
- Undertake a <u>water and sanitary utility rates study</u> to enable sustainable funding of the City's share of offsite infrastructure projects. Current utility rates should be brought current and in alignment with offsite levy financing summarized in this report.
- Recent changes to the MGA enable municipalities to charge separately for offsite levies (i.e., transportation vs. water vs. sanitary vs stormwater). Accordingly, the City should <u>maintain accurate records</u> to reflect which properties pay which offsite levies, and build this into the City's administrative procedures.

7 ACKNOWLEDGEMENTS

CORVUS Business Advisors would like to thank all City of Spruce Grove staff from Engineering, Planning, and Finance, who supported the work of this review.

8 DISCLAIMER

CORVUS Business Advisor has relied upon the City of Spruce Grove and its engineering advisors to provide all the data and information used to construct the offsite levy model and create the rates, such as planning data and assumptions, development forecasts and assumptions, infrastructure costs and costs estimates, allocations to benefitting parties, allocation to benefitting areas, and other assumptions etc. As such, CORVUS Business Advisors makes no guarantee as to the accuracy of the input data and information provided by these groups or the results that stem from this data and information.

Offsite levy rates are not intended to stay static; they are based upon educated assumptions and the best available information of the day. Planning assumptions, cost estimates etc. can change each year. Accordingly, the Municipal Government Act requires that offsite levy rates be updated with the most available information on a regular basis (usually <u>annually</u>). When information changes, it will be reflected in a future update, and rates adjusted accordingly.

APPENDIX A: OFFSITE LEVY AREAS AND STAGING

A1. Offsite Levy Areas

The City is parsed into 11 offsite levy areas, as shown in the map below This is a change from Bylaw C788-11. The change was made to ensure all developing lands were contained within an offsite levy area, and levy areas account for the location of infrastructure basins. The 11 offsite levy areas take into consideration existing/planned infrastructure basins (i.e., transportation, water, sanitary, and stormwater basins) as well as natural and man-made barriers (e.g., rivers, highways, etc.). All offsite levy infrastructure costs are allocated to one or more areas.

3. The Caped Spruce Grove with Reference Number with Reference Number of Spruce Grove with Reference Number of Spruce Grove with Reference Number of Spruce Grove Grove Spruce Grove Gr

Offsite Levy Areas

Total net development area, the amount of land available for development across all offsite levy areas, is approximately **799 net ha.** In calculating net development area only those lands remaining to be developed that have not previously paid offsite levies have been considered (as required by legislation/regulation). Further, allowances have been made to net development area calculations for environmental reserves, municipal reserves, and arterial road right of way.

Offsite Levy Net Development Area⁵

Area Ref. #	Dovelopment Area Location	Land Use	Gross Area (ha.)	Environmental Reserves (ha.)	Sub-total	Municipal Reserves	Arterial Right of Way	Net Development Area (ha.)
1.1	See Map	Commercial	0.53		0.53	0.05		0.48
1,2	See Map	Industrial		-	- 3-		0 4500	- 12
1.3	See Map	Residential - Low	117.67	23,65	94,02	9.40		84.62
1.4	See Map	Residential - High	1.22	-	1.22	0.12	8-0	1.10
1.5	See Map	Other	-		-	21		
2.1	See Map	Commercial						-
2.2	See Map	Industrial						
2.3	See Map	Residential - Low/	47.99	0.93	47.06	4.71	2.40	39.95
2.4	See Map	Residential - High	3.85		3,85	0.39		3,47
2.5	See Map	Other						
3.1	See Map	Commercial	98.53	4.37	94,16	9.42	14	84.74
3.2	See Map	Industrial		-				
3.3	See Map	Residential - Low/	114.07	4.37	109.70	10.97		98.73
3.4	See Map	Residential - High	6,91	7.	6.91	0.69	6.7	6.22
3.5	See Map	Other	11.84	- 1	11.84	1.18		10,66
4.1	See Map	Commercial	1000				-	1000
4.2	See Map	Industrial	248.00		248.00	24.80	3.20	220,00
4,3	See Map	Residential - Low/	2,93		2.93	0.29	8- 1	2.64
4.4	See Map	Residential - High	-		-			
4.5	See Map	Other			-	2		20
5.1	See Map	Commercial		-		22	82.7	- 2
5.2	See Map	Industrial	12				-	
5.3	See Map	Residential - Low/	54.06	1,19	52.87	5.29		47,58
5.4	See Map	Residential - High	2.71	-	2.71	0.27	62	2.44
5.5	See Map	Other		-	2.2	2		

⁵ The City's offsite levy model has been configured to include 5 potential land use types: (1) commercial (X.1), (2) industrial (X.2), (3) residential low/medium density (X.3), (4) residential high density (X.4), and (5) other (X.5).

Area Ref. #	Development Area Location	Land Use	Gross Area (ha.)	Environmental Reserves (ha.)	Sub-total	Municipal Reserves	Arterial Right of Way	Net Development Area (ha.)
6.1	See Map	Commercial			-			· -
6.2	See Map	Industrial	-	Y.	*	- 15) - G-
6.3	See Map	Residential - Low/	5,80		5,80	0.58		5.22
6.4	See Map	Residential - High	2.13	-	2.13	0.21		1,92
6.5	See Map	Other	-		-			-
7.1	See Map	Commercial	-	2		92		
7.2	See Map	Industrial	-		-			-
7.3	See Map	Residential - Low/						
7.4	See Map	Residential - High	-	- 4	25		9.0	- 4
7.5	See Map	Other				14		T- 34
8.1	See Map	Commercial	4.52	-	4.52	0.45		4.07
8.2	See Map	Industrial			*3	18		
8.3	See Map	Residential - Low/			- 20	-		
8.4	See Map	Residential - High			* 1		-	
8.5	See Map	Other			- 3	64	- 2	
9.1	See Map	Commercial	14,75		14.75	1.48		13.28
9.2	See Map	Industrial		- 1	2/2/20			
9.3	See Map	Residential - Low	11.67		11.67	1.17		10.50
9.4	See Map	Residential - High	1.57		1.57	0.16		1.41
9.5	See Map	Other			-			. 1÷
10.1	See Map	Commercial				-	-	
10,2	See Map	Industrial						
10.3	See Map	Residential - Low	128.29	9,19	119.10	11.91	1.35	105.84
10.4	See Map	Residential - High	10.65		10.65	1.07		9.69
10.5	See Map	Other		The state of the s		- 3		
11.1	See Map	Commercial	26.60	10.00	16.60	1.66	-	14,94
11.2	See Map	Industrial						
11.3	See Map	Residential - Low	43.38	12:00	31.38	3.14	9.37	18,87
11.4	See Map ·	Residential - High		100	305.00			y salitan
11.5	See Map	Other	21.69	10.00	11.69	1.17	-	10.52
		Total	981.35	75.70	905.66	90,57	16,32	798.77

Summary of Offsite Levy Net Development Area

Description	ha.
Gross Development Area	981.35
Less Environment Reserve	75.70
Less Municipal Reserve	90.57
Less ROW Allowance	16.32
Net Development Area	798.77

*Note: 1 Hectare (ha.) = ~2.47 Acres

Net development area definitions will be applied in determining offsite levy obligations of developers on application for subdivision or development within the City of Spruce Grove. Net development area is defined as follows:

- Gross Area The area of lands to be developed in hectares that have not previously paid an offsite levy.
 - Less: Any environmental reserves (undevelopable land) contained within the development area.
 - Less: A 10% allowance for Municipal Reserves.
 - Less: Arterial road right of way that bisects the development lands.
- Equals: Net Developable Area, which is the area subject to offsite levies.

A2. Development Staging

A rate planning period of 25-years underpins the offsite levy model and rate calculations. Many municipalities use this planning period as it provides a reasonable timeframe to recoup the costs associated with offsite levy infrastructure construction, and it aligns with the timeframes of many municipal capital planning and construction cycles.

Of the 872 net ha. of development area available across all offsite levy development areas, planners estimate that approximately **799 ha. (100%)** will develop during the next 25-years (the rate planning period) as shown in the tables below.

Summary of Anticipated Development during the 25-year Rate Planning Period

Developed In Next 25 Years	798.79	100.0%
Developed Beyond 25 Years	-	0.0%
Net Development Area	798.79	

*Though all current lands in Spruce Grove are anticipated to develop within the 25-year review period, staff have advised that annexation of additional municipal lands is very likely during the next 5 years. Accordingly, additional lands will be included in the staging forecast during future rate updates.

Anticipated Development During the 25-year Rate Planning Period⁶

Aren Rul. #	Area Chronispesi in Heat 25 years (Het ha.)	2017	2018	2019	2929	2021	2922	2025	2024	2025	2020	2821	2028	2025	2010	2051	2932	2033	2014	2015	2038	2957	2038	2005	2040	2041
1.1	9,477	104				1 4	1.4	4	. 4		. +.	4.7	4.	100		. 11.	- 1	0.48	V-10	1.	111	-1-3		-4	- (+-	
12	20.100			-													//*						-		-	
1.3	84,615	4.00	4.00	4.00	4,00	4.00	4.00						4.00	4.99	4,00	4.90	4.00	5,00	8.00	2,05	8.00	5.57				
1.4	1,005						- 100		9.3		- 12		1.10													
15			-		100						100			-	•	150	•	-				12	100	200	had project	×-
3.1	25											-	-	* <			• •									
22	39 654	1.90	1.60	180	130	1.90	1.90	2.00	5.60	3.60	3 10	2 50	150	1.90	130	120	135	-					-		-	-
2.4	3,485	1.00	1,80	1,00	1,00	1,00	1.00	1.00	1.00		100	200	1.84	1.80	1.00	1.80		-		-	-	-	-		-	-
2.5	4,000		-		1	1	1	1,000	1,000	0,41	-	1	200	100		100	100	-	100	100	-	1			-	-
3.1	84,744		4.00	4.00	4,00	4.00	4.00	4.00	4,00	4,00	4.00	4.00	5.60	5.50	6,80	5.50	234	4:00	4.00	4.00	4.00			- 1	-	
22			-300	-	-			-					-				X.					1.0	- 20			-
13	56,730	S-4	-		74			0.60	6.60	6.60	1.50	5.60	6.60	6,50	6,60	5.50	5.50	5.50	5.50	6.60	6.50	0.33				-
2.4	6.219	V.			7.			0.00				-	0.00	0.00	0.60	0.50	0.50						0.75	0.75	0.75	9.57
15	10.650		-	/				-				-						2.10	2.10	2.10	2.10	0.66	1.50		-	-
4.1	200,000					3.4									1.4										-	-
4.2	220,000	3.80	1,00	8.65	0,00	0.50	7 50	8.03	6,66	6,00	1.10	8.50	8.60	0.50	6.00	8.50	1 50	9 50	3.50	0.00	0.50	3 50	6.60	1.63	5.63	6.63
4.5	2,837	4.1.					2 66	0.00	+	1.	1111		4	+	+ -	11+1		+:-	+.		+					
4.4	-		-	-							-	-											-		-	-
10			-					-					-				-						-		_	-
53		-		-	25	:		-						-		3.0		-					-		-	
53	47.585	4.30	430	4.30	4,36	4,30	4.30	4.30	4.30	4,30	4.30	4.55		-:-		-	- 1	-	-	1		0000		-		1
24	2.439		130	1.00			1.00	0.30	0.50	0.50	1.50	0.44	7.	-		-		-			-		-		-	-
5.5	2.142	11.		77.0		-	-		4144	4124	-		-	- 200	-	-	-	-		-	200	-	-	-	-	-
0.1	14-0	1.20	-	2525	7.4	1.7	100	7.0	100	1	1.	1	100	- 1	201.3	1.1		-				5 4 5	- 0.1	-		
12	97.5700	2010			- A	1.6	9040	20 B C		-	47-	7.00	400	- 11	1.4	1.6-1		6	. + .	1	+ -	11.6	-	- 6		
1.3	5.220	1,00	1.00	1.00	1,00	1.00	9.22										- 67			2.0	100	100	- A.		100	100
6.4	1.510	0.32	0.32	0.32	0.32	0.31	0.32		2.6					27						200	4.5		-			-
6.5		V.	-	1-7	13			-			195	2.0	174		14	76						100	0.00			-
7.1		0000			54									* .		0.0					**					0.0
7.2	200			-	70			-					-										-		-	-
72	- 1	1.1	-		3.4	200		4												20.04			-			-
7.4	- +	1.4	-	-	14	-	-	0.80	- 1	-	1	-	- 1	-	2.15	11	-	-	1 1	- 1	-		-			-
1.1	4.088		-	-	-		4.97			-	-	-	-	-			-						-		-	
12		1.	-	-			-	-		1		-	-	-		-	-	-	-		-		-	-	-	-
13	- 1	10.4					-				100	7.		-	- Sec.			-						-	-	-
14		100			3.			-	7.4		7.5	3.0				3.4		-					0.1		-	-
15	12.54.3		1.00										-	*									-			-
81	13 375	2.20	3.30	3.35	2.30	2.20	2.25		200	-	-						-			- ·					-	-
12	3,574,55	4 -	1.4	1		100	10				14.0	0.0	4.1		0.00	1.1			. 65	1	1 + 1	8.44	-			-
2.2	10,508	0.91	0.91	0.91	0,91	0,81	0.83	0,60	0.84	0,85	2,89	0.83	0,37	- 44	100	140	140		+ 1	114	1.41	(1+1)	-400	4	100	
2.4	3,413	1.41			5.			-					-	4		1 4		- 4			- + -	. +	4.1	-	100	
1.5				-				-					-											-	-	-
10.1				-																						
10.2	105 840	7.00	5.00	5.00	5.00	4.00	450	100	4.00	4.00	450	4.00	4.00	4.50	4.00	4.00	4.00	4.00	4.50	4.00	4.50	4.00	4.00	4.00	4.00	3.84
10.4	9 5 65		135	8.35	0.05		0.25	4100	4.00	4300	4.50	4.00	1.63	1,50	1.60	150	1.59	4.00	4.00	4300	1.00	4.00	4.00	4.00	4.00	3,04
10,6	9,285	0.75	870	8.32	0.55	0.75	0.25	-	-	-	1	1	1.00	1,00	1,40	120	1.00	-	-	-	1		-	-	-	-
11.1	14 540		-	-	2,84	2.40	7.50		-	1			2.50	2.50	9.44			-	-	-	-		0.0		-	-
112	140.4				100		1000	1					1000	- 1	1,000			-	-	· .	-	-		300		
11.5	18.872		-	-	-			-			-	-	2.00	2.00	2.00	2.00	2.00	-					2.00	2.00	2.00	2.87
11A	200			-			- 5	-	-			-	-			-				50.			-		-	-
113	10.521	1.75	1.75	1.75	1.75	1.75	1.77		-									4.					-	-		
	955 971	36.86	34.45	34.43	30.63	35.45	41.97	23.60	35.93	25.40	22.63	33.45	36.62	37.60	37.54	35.10	35.46	23.99	33.50	35.56	23.50	35.41	17.15	15.55	15.55	16.48

⁶ City staff based the staging plan on Map 16 from the ISL 2015 Growth Study and distributed development over the 5/6 years in each cohort. Staff supplemented the 2015 study with updated development forecasts where applicable.

APPENDIX B: WATER OFFSITE INFRASTRUCTURE

B1. Water Offsite Infrastructure Costs

To support future growth, water offsite infrastructure is required. The estimated cost of this infrastructure is based upon: (a) actual construction costs to the cut-off date, (b) debenture interest associated with financing, and (c) future cost estimates. Total cost is approximately \$18.72 million as outlined in the table below. Actual costs, debenture interest (if any), and cost estimates were provided by City staff. It is important to note that these costs represent "gross" costs, of which only a portion will go to support future development during the 25-year review period. The remainder of this section outlines how the "net" costs for future development are determined.

Summary of Water Offsite Infrastructure

Item	Project Description	Cost	of Completed Work	Debenture Intere		Estimated Cost of Work Yet to be Completed		J	otal Project timated Cost
1	Campsite Watermain Loop (41-99-17)	\$	328,202	s	-	5	-	5	328,202
2	Campgrounds Watermain	\$	776,587	S		\$	¥2	\$	776,587
3	New Growth Water Reservoir (CP_DP185)	5	7,239,634	S	12	8	7,738,749	3	14,978,382
4	Water Main 400mm - 1200m from Century Rd to Pioneer Rd (along Hwy 16A)	\$	-1640000	S	-	\$	2,640,000	5	2,640,000
		\$	8,344,423	\$		\$	10,378,749	\$	18,723,172

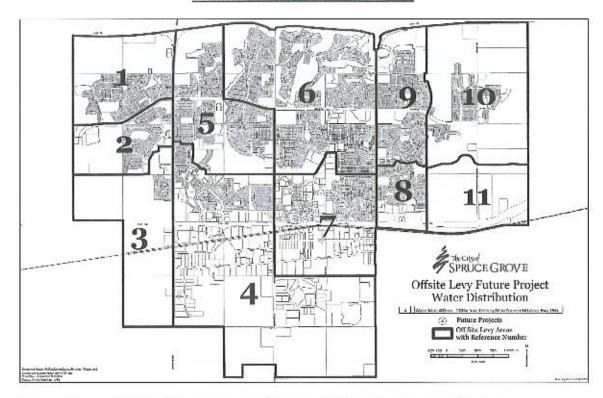
^{*}Costs are based on 2017 estimates.

^{**}Estimates include engineering costs and contingencies.

^{***}Offsite levy project details, source, allocation rationale, etc. are summarized in Appendix G.

A map showing the location of this infrastructure is shown below.

Location of Water Offsite Infrastructure



B2. Water Offsite Infrastructure Grants & Contributions to Date

The MGA enables the City to allocate the costs of offsite infrastructure to future development, other than those costs that have been provided by way of special grant or contribution (i.e., contributed infrastructure). The City of Spruce Grove has/will receive \$0.00 in special grants and contributions for water offsite levy infrastructure as shown in the table below (note, if the City receives other grants or contributions in the future, it will be reflected in one of the annual updates and rates adjusted accordingly). The result is that the total reduced project estimated cost is \$18.72 million.

Special Grants and Contributions for Water Offsite Infrastructure

Item	Project Description	Total Project Estimated Cost		pecial Provincial Grants	100	Developer Agreement Contributions		Other Contributions	duced Project stimated Cost
1	Campsite Watermain Loop (41-99-17)	\$ 328,202	8	-	\$		\$	-	\$ 328,202
2	Campgrounds Watermain	\$ 776,587	1 5	- 20	\$	- 40	8	- 60	\$ 776,587
3	New Growth Water Reservoir (CP, DP186)	\$ 14,978,382	1 5	40	5		\$		\$ 14,978,352
4	Water Main 400mm - 1200m from Century Rd to Pioneer Rd (along Hwy 16A)	\$ 2,640,000) 8	-	\$		\$		\$ 2,640,000
05 45-		\$ 18,723,172	1 \$	-	\$	- 27	\$	25.	\$ 18,723,172

B3. Water Infrastructure Staging

The timing of construction is used to determine the impact of inflation on cost, the impact of forecast reserve balances, and the estimate of financial oversizing (described in the Section

that follows). The City anticipates construction of offsite infrastructure as outlined in the table below. Note, if this schedule is adjusted in the future, it will be reflected in one of the City's annual rate/bylaw updates.

Water Infrastructure Staging

ltem	Project Description	Construction Start Year
1	Campsite Watermain Loop (41-99-17)	2003
2	Campgrounds Watermain	2012
3	New Growth Water Reservoir (CP_DP186)	2014
4	Water Main 400mm - 1200m from Century Rd to Pioneer Rd (along Hwy 16A)	2020

^{*}Projects anticipated for construction beyond the 25-year review period are shown as "2041"

B4. Water Offsite Infrastructure Benefiting Parties

The water offsite infrastructure previously outlined will benefit various parties to varying degrees as determined by City's staff. Four potential benefiting parties were identified including:

- City of Spruce Grove a portion of the water infrastructure which is required to service existing residents.
- Other Stakeholders other parties (such as neighboring municipalities) that benefit from the infrastructure.
- City of Spruce Grove Future Development (Financial Oversizing) that portion of cost which benefits future development beyond the 25-year review period.
- City of Spruce Grove Future Development (In Rates) all growth related infrastructure (i.e., levyable water infrastructure costs) during the 25-year rate planning period.

The table below outlines the allocation of water offsite levy infrastructure costs to benefiting parties. Project allocations were determined by City staff.

Allocation of Water Infrastructure to Benefiting Parties

Item	Project Description	Reduced Project Estimated Cost	Muni Share %	Other Stakeholder Share	Developer Share Beyond 25 Yrs (Financial Oversizing %)	OSL / Developer Share %
1	Campsite Watermain Loop (41-99-17)	\$ 328,202			0.0%	100.0%
2	Campgrounds Watermain	\$ 776,587			0.0%	100,0%
3	New Growth Water Reservoir (CP_DP188)	\$ 14,978,382			0.0%	100.0%
4	Water Main 400mm - 1200m from Century Rd to Pioneer Rd (along Hwy 16A)	\$ 2,840,000		1	12.0%	88.0%
		\$ 18,723,172		90 - 9		

^{*}Allocations were determined by the City (see Appendix G).

^{**}The share of projects constructed beyond the 25-year review period are not included in rates today (see financial oversizing in next section).

^{***}Project costs are inflated by 3% per annum to the year of construction.

^{**}Financial oversizing is determined by separating out the pro rata portion of developer cost beyond the 25-year review period, in comparison with the anticipated year of construction. As the years move forward and rates are updated, these additional developer costs will be included in rate calculations.

^{***}As noted in Appendix A2, though all current lands in Spruce Grove are anticipated to develop within the 25year review period, staff have advised that annexation of additional municipal lands is very likely during the next 5 years. Accordingly, additional lands will be included in the staging forecast during future rate updates, just as

additional costs (currently classified as "financial oversizing") will be included in future rate updates.

B5. Existing Receipts & Adjusted Levy Cost

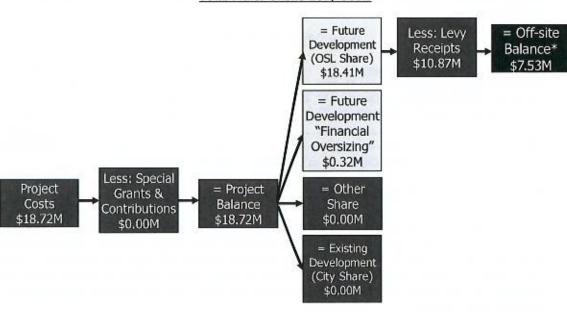
Using the offsite levy share percentages shown in the previous section and applying those percentages to project costs results in an offsite levy cost of approximately \$18.41 million. However, prior to allocating these costs to benefiting areas, existing offsite levy receipts collected from developers need to be considered in determining the residual/net costs to developers. The City has collected \$10.87 million in offsite levies to date. This results in an adjusted offsite levy cost of approximately \$7.53 million.

Item	Project Description	os	L / Developer Cost	Fu	Offsite Levy nds Collected Dec 31, 2016	Fund	feite Levy de Collected rting Jan 1, 2017		Adjusted Hoper (Levy) Cost
1	Campsite Watermain Loop (41-99-17)	\$	328,202	\$	328,202	\$		\$	
2	Campgrounds Watermain	8	778,587	\$	776,587	S	- 04	S	VON BOOK TOO
3	New Growth Water Reservoir (CP_DP188)	15	14,978,382	\$	9,766,932	5	-	\$	5,211,450
4	Water Main 400mm - 1200m from Century Rd to Pioneer Rd (along Hwy 16A)	\$	2,323,200	\$		S	204	S	2,323,200
		\$	18,406,372	\$	10,871,722	\$		\$	7,534,650

Offsite Levy Funds Collected to Date & Adjusted Levy Cost

B6. Summary of Water Offsite Levy Cost Flow-through

As shown in the figure below, the total cost for water infrastructure that forms the basis of the rate is approximately \$7.53 million. The cost allocations to each benefitting party are based on the benefitting percentages shown in Section B4. The offsite levy balance (due from developers) is allocated to various benefitting areas (as described in the next section).



Total Water Offsite Levy Costs

B7. Water Infrastructure Benefiting Areas

Net developer costs for each project have been allocated to multiple benefiting offsite levy area (see tables below). Allocations are denoted with a "1" below applicable area numbers. Benefiting areas were determined by City staff and their engineering advisors. The lands anticipated to develop over the 25-years in each offsite levy benefitting area are used to determine rates.

Benefiting Areas for Water Offsite Infrastructure

Item	Develop Cost	er	1,1	1,2	1,3	1,4	1,5	2.1	2.2	2.3	2.4	2.5	3.1	3,2	3,3	3,4	3,5	4.1	4.2	4.3	4.4	4.5	5.1	5.2	5.3	5.4	5.5
1	\$	200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	\$						1				1							1	1	1	1	1					
3	\$ 5,211,	450	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	\$ 2,323,	200	9													- 3		7.3									9 7
	\$ 7.534	850						_																			

ltem	1	Developer Cost	6.1	8.2	6.3	6.4	8.5	7,1	7.2	7.3	7.4	7.5	8.1	8.2	8.3	8.4	8,5	9.1	9.2	9,3	9,4	9.5	10.1	10.2	10.3	10.4	10.5	11.1	11.2	11.3	11.4	11.0
1	S	43							0			355					1.		0													
2	S							1	1	1	1	1	1	1	1	1	1											1	1	1	1	1
3	S	5,211,450	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	S	2,323,200											1	1	1	1	1						1	1	1	1	1	1	1	1	1	1
- 55	\$	7.534.650		_											77.00		il to con	100														

B8. Reserve Balance

At December 31st, 2016, the balance of the City's water reserve is \$ \$2,527,298.67, as shown in the table below. This amount takes into consideration expenditures up to end-2016.

The City also needs to establish a set of "sub-ledgers" to track the amounts due to frontending parties, including interest impacts in accordance with the interest rates underpinning the bylaw.

Water Offsite Levy Reserve Balance

Description	Dr	Cr	Balance
Offsite Levy Expenditures to December 31, 2016		\$ 8,344,423.23	\$ (8,344,423.23)
Offsite Levy Receipt Allocations to December 31, 2016	\$ 8,344,423.23		\$ -
Unused Receipts & Interest to December 31, 2016	\$ 2,527,298.67		\$ 2,527,298.67
			\$ 2,527,298.67
Opening Balance			\$ 2,527,298.67

^{*}A complete reconciliation of the City's existing reserve/account is shown in Appendix E.

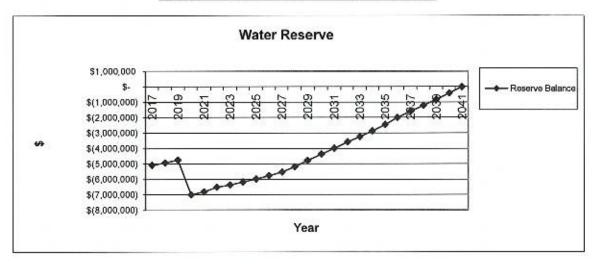
B9. Development and Water Infrastructure Staging Impacts

Water offsite infrastructure will be constructed in staged fashion over the 25-year review period. We have reviewed the availability of offsite levy funds to meet these construction requirements and found that offsite levy reserve funds will not be sufficient to pay for construction of water infrastructure from time to time—front ending of infrastructure will be required. A front-ender is the party that constructs and pays up front for infrastructure that benefits other parties.

To compensate parties for capital they provide in front-ending offsite infrastructure construction, a 2.71% interest allowance has been charged to the reserve when it is forecast to be in a negative balance. Further, a 0.85% interest credit has been provided to the reserve when it is forecast to be in a positive balance. The graph and table below outline the forecast water levy reserve balances over the 25-year development period.

If necessary, an interest staging adjustment has been applied to rates (slightly positive or slightly negative) to ensure that the forecast reserve balance at the end of the 25-year review period always returns to break-even (i.e., developers are not charged too much thereby providing a windfall to the City, nor are they charged too little thereby placing an unequitable burden on taxpayers).

Anticipated Water Offsite Levy Reserve Balances



Version 4 (FINAL) – February 9th, 2018 CORVUS Business Advisors

⁷ The 20-year debenture rate at the Alberta Capital Finance Authority at the time of writing was ~2.71%.

Anticipated Water Offsite Levy Reserve Balances

				Ope	ening Balance	\$	2,527,299
Year	Receipts	E	penditure		Interest		Balance
2017	\$ 295,106	\$	7,788,759	\$	(134,638)	\$	(5,100,992)
2018	\$ 307,596	\$	-	\$	(129,949)	\$	(4,923,346)
2019	\$ 313,748	\$	-	\$	(124,966)	\$	(4,734,564)
2020	\$ 364,811	\$	2,465,161	\$	(185, 295)	\$	(7,020,209)
2021	\$ 375,755	\$		\$	(180, 131)	\$	(6,824,585)
2022	\$ 472,358	\$	-	\$	(172,209)	\$	(6,524,437)
2023	\$ 333,966	\$		\$	(167,824)	\$	(6,358,294)
2024	\$ 343,985	\$	-	\$	(163,048)	\$	(6, 177, 356)
2025	\$ 350,388	\$	-	\$	(157,969)	\$	(5,984,937)
2026	\$ 357,394	\$	22	\$	(152,563)	\$	(5,780,105)
2027	\$ 369,840	\$	2	\$	(146,672)	\$	(5,556,938)
2028	\$ 508,226	\$	-	\$	(136,871)	\$	(5,185,582)
2029	\$ 511,353	S	-	\$	(126,718)	\$	(4,800,948)
2030	\$ 525,350	\$		\$	(115,911)	\$	(4,391,509)
2031	\$ 484,840	\$		\$	(105,910)	\$	(4,012,579)
2032	\$ 508,553	\$	-	\$	(94,994)	\$	(3,599,020)
2033	\$ 449,259	\$	-	\$	(85,390)	\$	(3,235,151)
2034	\$ 458,180	\$	8	\$	(75,284)	\$	(2,852,255)
2035	\$ 471,926	\$		\$	(64,531)	\$	(2,444,860)
2036	\$ 486,124	\$	_	\$	(53, 101)	\$	(2,011,837)
2037	\$ 475,055	\$		\$	(41,662)	\$	(1,578,444)
2038	\$ 403,458	\$	_	\$	(31,854)	\$	(1,206,840)
2039	\$ 397,888	\$	2	\$	(21,931)	\$	(830,882)
2040	\$ 409,825	\$	8	\$	(11,415)	\$	(432,472)
2041	\$ 432,472	\$	2	\$	0	S	0

APPENDIX C: SANITARY OFFSITE INFRASTRUCTURE

C1. Sanitary Offsite Infrastructure Costs

To support future growth, sanitary offsite infrastructure is required. The estimated cost of this infrastructure is based upon: (a) actual construction costs to the cut-off date, (b) debenture interest associated with financing, and (c) future cost estimates. Total cost is approximately \$20.54 million as outlined in the table below. Actual costs, debenture interest (if any), and cost estimates were provided by City engineering staff. It is important to note that these costs represent "gross" costs, of which only a portion will go to support future development during the 25-year review period. The remainder of this section outlines how the "net" costs for future development are determined.

Summary of Sanitary Offsite Infrastructure

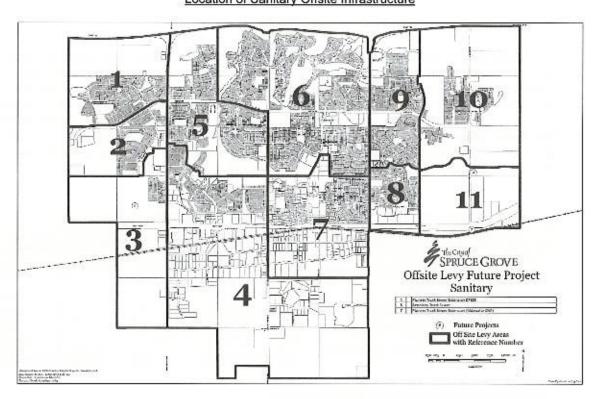
ltem	Project Description	Con	Cost of apleted Work	Debenture Interest	W	imated Cost of ork Yet to be Completed	11/9/5990	otal Project timated Cost
1	West Trunk Sanitary Sewer (42-99-12-06) - W of Campsite Rd to S Industrial Lands*	s	3,772,950	\$ 	\$	-	s	3,772,950
2	Pioneer Road Trunk Sewer (42-99-16-09)	S	2,984,966	\$ -	\$	*	S	2,964,966
3	Pioneer Road Sanitary Sewer Extension (41-01-01-14)	\$	1,553,981	\$	\$		\$	1,553,981
4	Pioneer Trunk Sewer Extension DP138	\$	2,877,628	\$ -	\$	952,302	\$	3,829,930
5	Campsite West Trunk Sanitary Sewer (42-99-09)	\$	1,358,031	\$ 02	\$		\$	1,358,031
6	Boundary Trunk Sewer	\$	157,818	\$ 170	\$	5,104,800	\$	5,262,518
7	Pioneer Trunk Sewer Extension (McLeod to CNR)	\$	0.5	\$ 	\$	1,800,000	\$	1,800,000
		\$	12,685,373	\$ 	\$	7,857,102	\$	20,542,475

^{*}Costs are based on 2017 estimates.

^{**}Estimates include engineering costs and contingencies.

^{***}Offsite levy project details, source, allocation rationale, etc. is summarized in Appendix G.

A map showing the location of this infrastructure is shown below. Location of Sanitary Offsite Infrastructure



C2. Sanitary Offsite Infrastructure Grants & Contributions to Date

The MGA enables the City to allocate the costs of offsite infrastructure to future development, other than those costs that have been provided by way of special grant or contribution (i.e., contributed infrastructure). The City of Spruce Grove has/will receive approximately \$1.16 million in special grants and contributions for sanitary offsite levy infrastructure as shown in the table below (note, if the City receives additional grants or contributions in the future, it will be reflected in one of the annual updates and rates adjusted accordingly). The result is that the total reduced project estimated cost is \$19.38 million.

Special Grants and Contributions for Sanitary Offsite Infrastructure

ltem	Project Description		otal Project timated Cost	Sp	ocial Grants	Agr	veloper eement ributions	15 500 15 700	Other		luced Project timated Cost
1	West Trunk Sanitary Sewer (42-99-12-96) - W of Campeile Rd to S Industrial Lands*	\$	3,772,950	5	100	S		S		s	3,772,950
2	Pioneer Road Trunk Sewer (42-99-16-09)	S	2,964,968	S	1,163,038	S	- 1	S		S	1,801,928
3	Pioneer Road Sanitary Sewer Extension (41-01-01-14)	\$	1,553,981	\$		\$	- 1	5		S	1,553,981
4	Pioneer Trunk Sewer Extension DP138	\$	3,829,930	\$	1.0	\$	2	\$	-	3	3,829,930
5	Campaite West Trunk Sanitary Sewer (42-99-09)	\$	1,358,031	\$		\$		\$	200	S	1,358,031
6	Boundary Trunk Sower	5	5,262,618	S		3	-	S		S	5,262,618
7	Pioneer Trunk Sewer Extension (McLeod to CNR)	\$	1,800,000	\$	-	\$	14	5		S	1,800,000
		\$	20,542,475	\$	1,163,038	\$		\$	100	3	19,379,437

C3. Sanitary Infrastructure Staging

The timing of construction is used to determine the impact of inflation on cost, the impact of forecast reserve balances, and the estimate of financial oversizing (described in the Section that follows). The City anticipates construction of offsite infrastructure as outlined in the table below. Note, if this schedule is adjusted in the future, it will be reflected in one of the City's annual rate/bylaw updates.

Sanitary Infrastructure Staging

ltem	Project Description	Construction Start Year
1	West Trunk Sanitary Sewer (42-99-12-06) - W of Campsite Rd to S Industrial Lands*	2006
2	Pioneer Road Trunk Sewer (42-99-16-09)	2009
3	Pioneer Road Sanitary Sewer Extension (41-01-01-14)	2012
4	Pioneer Trunk Sewer Extension DP138	2015
5	Campsite West Trunk Sanitary Sewer (42-99-09)	2000
6	Boundary Trunk Sewer	2019
7	Pioneer Trunk Sewer Extension (McLeod to CNR)	2022

^{*}Projects anticipated for construction beyond the 25-year review period are shown as "2041"

C4. Sanitary Offsite Infrastructure Benefiting Parties

The sanitary offsite infrastructure previously outlined will benefit various parties to varying degrees as determined by the City's staff. Four potential benefiting parties were identified including:

- City of Spruce Grove a portion of the sanitary infrastructure which is required to service existing residents.
- Other Stakeholders other parties (such as neighboring municipalities) that benefit from the infrastructure.
- City of Spruce Grove Future Development (Financial Oversizing) that portion of cost which benefits future development beyond the 25-year review period.
- City of Spruce Grove Future Development (In Rates) all growth related infrastructure (i.e., levyable sanitary infrastructure costs) during the 25-year rate planning period.

The table below outlines the allocation of sanitary offsite levy infrastructure costs to benefiting parties. Project allocations were determined by City staff.

^{**}The share of projects constructed beyond the 25-year review period are not included in rates today (see financial oversizing in next section).

^{***}Project costs are inflated by 3% per annum to the year of construction.

Allocation of Sanitary Infrastructure to Benefiting Parties

kem	Project Description		duced Project stimated Cost	Muni Share %	Other Stakeholder Share	Developer Share Beyond 25 Yrs (Financial Oversizing %)	OSL / Developer Share %
1	West Trunk Sanitary Sewer (42-99-12-06) - W of Campsite Rd to S Industrial Lands*	5	3,772,950	DESCRIPTION IN	nated and	0.0%	100,0%
2	Pioneer Road Trunk Sewer (42-99-16-09)	\$	1,801,928			0.0%	100,0%
3	Pioneer Road Sanitary Sewer Extension (41-01-01-14)	5	1,553,981			0.0%	100.0%
- 4	Pioneer Trunk Sewer Extension DP138	5	3,829,930			0.0%	100.0%
5	Campaite West Trunk Sanitary Sewer (42-99-09)	\$	1,358,031			0,0%	100,0%
6	Houndary Trunk Sewer	5	5,282,618			8.0%	92.0%
7	Pioneer Trunk Sewer Extension (McLead to CNR)		1,800,000			20.0%	80.0%
		5	19.379.437				

^{*}Allocations were determined by the City (see Appendix G).

C5. Existing Receipts & Adjusted Levy Cost

Using the offsite levy share percentages shown in the previous section and applying those percentages to project costs results in an offsite levy cost of approximately \$18.60 million. However, prior to allocating these costs to benefiting areas, existing offsite levy receipts collected from developers need to be considered in determining the residual/net costs to developers. The City has collected \$4.76 million in offsite levies to date. This results in an adjusted offsite levy cost of approximately \$13.84 million.

Offsite Levy Funds Collected to Date & Adjusted Levy Cost

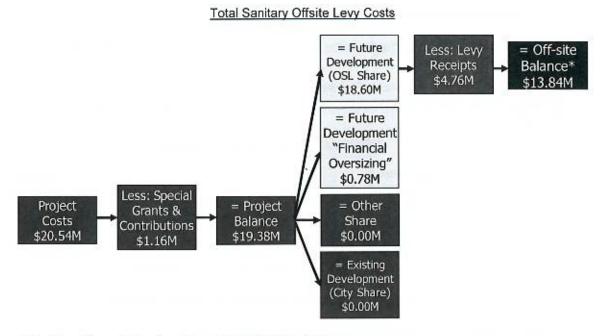
Item	Project Description	OSL / Developer Cost			ffsite Levy ds Collected Dec 31, 2016	Funds Starti	ite Levy Collected ng Jan 1, 2017	Adjusted Developer (Levy) Cost		
-1	West Trunk Sanitary Sewer (42-99-12-06) - W of Campsite Rd to S Industrial Lands*	\$	3,772,950	s	3,246,918	s	-	s	526,032	
2	Pioneer Road Trunk Sewer (42-99-16-09)	\$	1,801,928			S	34	S	1,801,928	
3	Pioneer Road Sanitary Sewer Extension (41-01-01-14)	\$	1,553,981			S	32	S	1,553,981	
4	Pioneer Trunk Sewer Extension DP138	\$	3,829,930	3		S		S	3,829,930	
5	Campsite West Trunk Sanitary Sewer (42-99-09)	\$	1,358,031	S	1,358,031	\$	32	S	-	
6	Boundary Trunk Sewer	\$	4,841,608	S	157,818	\$		\$	4,683,791	
7	Pioneer Trunk Sewer Extension (McLeod to CNR)	\$	1,440,000	\$		\$		\$	1,440,000	
		\$	18,598,428	\$	4,762,766	S	12	\$	13,835,662	

C6. Summary of Sanitary Offsite Levy Cost Flow-through

As shown in the figure below, the total costs for sanitary infrastructure that forms the basis of the rate is approximately \$13.24 million. The cost allocations to each benefitting party are based on the benefitting percentages shown in Section C4. The offsite levy balance (due from developers) is allocated to various benefitting areas (as described in the next section).

^{**}Financial oversizing is determined by separating out the pro rata portion of developer cost beyond the 25-year review period, in comparison with the anticipated year of construction. As the years move forward and rates are updated, these additional developer costs will be included in rate calculations.

^{***}As noted in Appendix A2, though all current lands in Spruce Grove are anticipated to develop within the 25year review period, staff have advised that annexation of additional municipal lands is very likely during the next 5 years. Accordingly, additional lands will be included in the staging forecast during future rate updates, just as additional costs (currently classified as "financial oversizing") will be included in future rate updates.



C7. Sanitary Infrastructure Benefiting Areas

Net developer costs for each project have been allocated to multiple benefiting offsite levy area (see tables below). Allocations are denoted with a "1" below applicable area numbers. Benefiting areas were determined by City staff. The lands anticipated to develop over the 25-years in each offsite levy benefitting area are used to determine rates.

Developer 5.4 5.5 Item 1.2 2.1 2.2 2,3 2.4 2.5 3.1 3.2 3.3 3,4 3.5 4.1 4.2 4.3 4.5 5.1 5.2 Cost 526,032 \$ 1 1 1 1 1 1 1 1 1 1 1,801,928 \$ 1,553,981 3 \$ 4 \$ 3,829,930 1 1 1 1 1 5 \$ 4,683,791 6 \$ 1,440,000 \$ 13,835,662

Benefiting Areas for Sanitary Offsite Infrastructure

ltem	1	Cost	6.1	6.2	6.3	6.4	6.5	7.1	7.2	7.3	7.4	7.5	8.1	8.2	8.3	8.4	8,5	9.1	9,2	9.3	9,4	9.5	10.1	10.2	10.3	10.4	10.5	11.1	11.2	11.3	11.4	11.5
1	5	526,032								- 1											35											0
2	\$	1,801,928																					1	1	1	1	1	1	1	1	1	1
3	\$	1,553,981						-	-				1			1 8						8	1	1	1	1	1	1	1	1	1	1
4	S	3,829,930											4			5		1			8	8	1	1	1	1	1	1	1	1	1	.1
5	\$				0								d																			
6	\$	4,683,791	- 5		3														- 9		1						1 8	1 %				6
7	\$	1,440,000	П				П	П															1	1	1	1	1	1	1	1	1	1
	\$	13,835,662	- 23		164	000	26	35 3	37 3	1 1	3 5								- 11		10-											

C8. Reserve Balance

At December 31st, 2016, the balance of the City's sanitary reserve is \$(6,759,568.82), as shown in the table below.

The City also needs to establish a set of "sub-ledgers" to track the amounts due to frontending parties, including interest impacts in accordance with the interest rates underpinning the bylaw.

Sanitary Offsite Levy Reserve Balance

Description	Dr	Cr	Balance
Offsite Levy Expenditures to December 31, 2016		\$11,522,334.96	\$ (11,522,334.96)
Offsite Levy Receipt Allocations to December 31, 2016	\$ 4,762,766.14		\$ (6,759,568.82)
			\$ (6,759,568.82)
			\$ (6,759,568.82)
Opening Balance			\$ (6,759,568.82)

^{*}A complete reconciliation of the City's existing reserve/account is shown in Appendix E.

C9. Development and Sanitary Infrastructure Staging Impacts

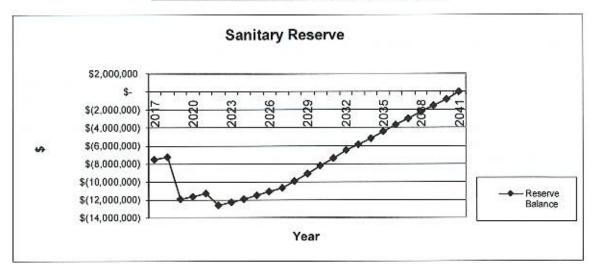
Sanitary offsite infrastructure will be constructed in staged fashion over the 25-year development period. We have reviewed the availability of offsite levy funds to meet these construction requirements and found that offsite levy reserve funds will not be sufficient to pay for construction of sanitary infrastructure from time to time—front ending of infrastructure will be required. A front-ender is the party that constructs and pays up front for infrastructure that benefits other parties.

In order to compensate parties for capital they provide in front-ending offsite infrastructure construction, a 2.71% interest allowance has been charged to the reserve when it is forecast to be in a negative balance. Further, a 0.85% interest credit has been provided to the reserve when it is forecast to be in a positive balance. The graph and table below outline the forecast water levy reserve balances over the 25-year development period.

If necessary, an interest staging adjustment has been applied to rates (slightly positive or slightly negative) to ensure that the forecast reserve balance at the end of the 25-year review period always returns to break-even (i.e., developers are not charged too much thereby providing a windfall to the City, nor are they charged too little thereby placing an unequitable burden on taxpayers).

⁸ The 20-year debenture rate at the Alberta Capital Finance Authority at the time of writing was ~2.71%.

Anticipated Sanitary Offsite Levy Reserve Balances



Anticipated Sanitary Offsite Levy Reserve Balances

				(Oper	ning Balance	\$	(6,759,569)
Year		Receipts	E	xpenditure		Interest	10.000	Balance
2017	\$	408,341	\$	957,483	\$	(198,139)	\$	(7,506,850)
2018		469,881	\$	27/	\$	(190,772)	\$	(7,227,741)
2019	\$	479,279	\$	4,838,190	\$	(314, 114)	\$	(11,900,766)
2020	\$	590,456	\$		\$	(306,623)	\$	(11,616,933)
2021	\$ \$	608,169	\$	373	\$	(298,448)	\$	(11,307,212)
2022	S	632,929	\$	1,621,047	\$	(333,326)	\$	(12,628,656)
2023	\$	664,796	\$	-	\$	(324,340)	\$	(12,288,201)
2024	\$	684,739	\$		\$	(314,570)	\$	(11,918,031)
2025	\$	692,802	\$	-	\$	(304, 316)	\$	(11,529,545)
2026	\$	702,414	\$	8445	\$	(293, 524)	\$	(11,120,655)
2027	\$	724,038	\$	-	\$	(281,852)	\$	(10,678,469)
2028	\$	1,039,749	\$	_	\$	(261,306)	\$	(9,900,026)
2029	\$	1,070,941	\$	1020	\$	(239, 356)	\$	(9,068,441)
2030	\$	1,099,947	\$	-	\$	(216,026)	\$	(8,184,520)
2031	\$	1,002,170	\$	7	\$	(194,714)	\$	(7,377,064)
2032	\$	1,059,706	\$	-	\$	(171, 264)	\$	(6,488,621)
2033	\$	799,406	\$		\$	(154,235)	\$	(5,843,450)
2034	\$	823,388	\$	9. 4 9	\$	(136,094)	\$	(5, 156, 156)
2035	\$	848,090	\$	89 4 8	\$	(116,792)	\$	(4,424,858)
2036	\$	873,662	\$	-	\$	(96,273)	\$	(3,647,469)
2037	\$	773,834	\$	-	\$	(77,904)	\$	(2,951,539)
2038	\$	769,802	\$	1923	\$	(59,147)	\$	(2,240,884)
2039	\$	736,584	\$	34	\$	(40,782)	\$	(1,545,081)
2040	\$	758,682	\$	-	\$	(21,319)	\$	(807,719)
2041	\$	807,719	\$	92	\$	0	\$	0

APPENDIX D: TRANSPORTATION OFFSITE INFRASTRUCTURE

D1. Transportation Offsite Infrastructure Costs

To support future growth, transportation offsite infrastructure is required. The estimated cost of this infrastructure is based upon: (a) actual construction costs to the cut-off date, (b) debenture interest associated with financing, and (c) future cost estimates. Total cost is approximately \$119.70 million as outlined in the table below. Actual costs, debenture interest (if any), and cost estimates were provided by City staff. It is important to note that these costs represent "gross" costs, of which only a portion will go to support future development during the 25-year review period. The remainder of this section outlines how the "net" costs for future development are determined.

Summary of Transportation Offsite Infrastructure

Item	Project Description	Cost of Completed Work			Debenture Interest	W	mated Cost of ork Yet to be Completed	93100	otal Project Imated Cost
1	Campatte Road Twinning	\$	137,529	S		\$	100	\$	137,529
2	Grove Drive - Century Road to Greystone	\$	56,771	\$		\$		\$	56,771
3	Traffic Signals - Campsite Road and McLeod Ave	\$	203,441	S		\$	- 50	\$	203,441
4	Traffic Signals - Campsite Road and Grove Drive	S	104,864	S		\$	-	\$	104,864
5	Grove Drive Twinning/Widening - Campsite to Century	S	5,828,599	S	*	\$		\$	5,828,599
6	TLC Signalization	S	262,197	\$	-	\$	-	S	262,197
7	Century Road Widening/Landscaping	S	1,872,896	\$	72	\$	-	S	1,872,698
8	Grove Drive East/West	\$	3,130,734	\$	*	\$		S	3,130,734
9	Traffic Signals - Jennifer Heil Way and Hawthorne Gate Intersection	\$	200,970	\$	-	s	*	S	200,970
10	Century Road South of Diamond Ave.	\$	1,474,213			S		5	1,474,213
11	Traffic Signals - Highway 16A/Century Crossing	\$	376,862	\$	- 2	S		\$	376,862
12	Century Road/ Grove Drive Intersection	\$	1,546,798	\$	- 7	\$	78	\$	1,546,798
13	Grove Drive East Extension	\$	1,650,188	\$		S		\$	1,650,188
14	Traffic Signals - (1) Grove Dr and Greystone, and (2) Grove Dr and Harvest Ridge	\$	370,210	200	- 2	s	2	\$	370,210
15	Pioneer Rd - Grove Dr to Highway 16A with roundabout at McLeod Ave and Grove Dr	\$	3,302,424	\$	2,015,670	\$	5,857,251	\$	11,175,344
16	South Industrial Arterial - Tamarack Drive	\$	760,710	\$		\$	7.	\$	760,710
17	Traffic Signals - Grove Drive and Deer Park	\$	281,976			\$		\$	261,976
18	Widening Jennifer Hell Road/Campsite Rd from McLeod Ave to south of the CN rail	\$	2,005,719	\$	540,789	\$		\$	2,546,508
19	Tamarack Drive 2LAUD - 200m from Golden Spike Rd east	S	- 1	\$	14	S	732,000	\$	732,000
20	Tamarack Drive 2LAUD - 1400m from existing to Century Rd	S	12	\$		\$	5,124,000	\$	5,124,000
21	Tarmarack Drive 4LAUD - 1600m from Golden Spike Rd to Century Rd	s	-	\$		\$	5,856,000	\$	5,856,000
22	Tamarack Drive 2LAUD - 90m from Golden Spike Rd west	S	4	S	35	\$	329,400	\$	329,400
23	Tamarack Drive 2LAUD - 1500m from existing to Campsite Rd	s		S		\$	5,490,000	s	-5,490,000
24	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Campalte Rd	\$		s	*	\$	5,856,000	s	5,856,000
25	Pioneer Road 2LAUD - 400m south of Hwy 18A	\$		S		\$	1,464,000		1,464,000
26	Pioneer Road 4LAUD - 400m south of Hwy 18A	\$	(4)	S	-	\$	1,464,000		1,464,000
27	Pioneer Road 4LAUD - 1400m Hwy 16A to Grove Dr	\$		S		\$	5,124,000		5,124,000
28	Century Road 2LAUD - 2400m Hwy 16A to south boundary	\$		S		\$	8,784,000		8,784,000
29	Century Road 4LAUD - 2400m Hwy 16A to south boundary	\$		\$	- 2	\$	8,784,000	-	8,784,000
30	Grove Drive East 4LAUD - 1000m to Pioneer Rd	\$		\$	-	\$	3,660,000	_	3,660,000
31	Grove Drive West 2LAUD - 600m to Boundary Rd	\$	2.5	\$		S	2,196,000		2,198,000
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	\$	172	\$	12	S	5,124,000		5,124,000
33	Campaite Road 2LAUD - 1300m from CN to south boundary	\$		\$		S	4,758,000		4,758,000
34	Campsite Road 4LAUD - 1300m from CN to south boundary	\$		\$	-	S	4,758,000	_	4,758,000
35	Golden Spike Road 2LAUD - 1400m to south boundary	\$	V.	\$		S	5,124,000		5,124,000
36	Golden Spike Road 4LAUD - 1400m to south boundary	\$		\$	910	\$	5,124,000		5,124,000
37	Boundary Road 2LAUD - 1200m to Hwy16A	\$	84	\$		\$	4,392,000		4,392,000
38	Traffic Signals - Boundary @ McLeod	\$		\$	1 10	\$	360,000		360,000
39	Traffic Signals - Hwy 16A - between Boundary & Campsite	\$	0.2	\$		\$	360,000	200	360,000
40	Traffic Signals - Campsite - between Grove Dr & Hwy 16	\$		\$	1 24	\$	360,000		360,000
41	Traffic Signals - Campsite @ Diamond	\$		\$		\$	360,000		360,000
42	Traffic Signals - Campsite @ Tamarack	\$		\$		\$	360,000		360,000
43	Traffic Signals - Golden Spike @ Diamond	\$	-	\$		\$	360,000		360,000
44	Traffic Signals - Golden Spike @ Tamarack	\$		\$		\$	360,000	<u> </u>	360,000
45	Traffic Signals - Century @ Diamond	S	(2 -	\$	64	\$	360,000		360,000
46	Treffic Signals - Century @ Tamarack	S	104	\$	-	\$	360,000		360,000
47	Traffic Signals - Grove Dr @ Greenbury Blvd	\$	×41	\$		\$	360,000		360,000
		\$	23,547,098	1 5	2,556,459	S	93,600,651	I S	119,704,20

^{*}Costs are based on 2017 estimates.

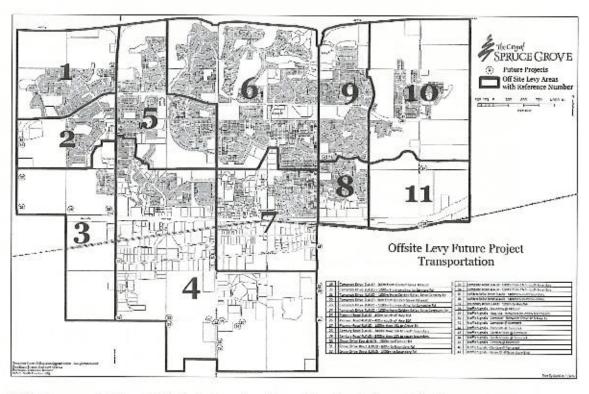
^{**}Estimates include engineering costs and contingencies.

^{***}Offsite levy project details, source, allocation rationale, etc. is summarized in Appendix G.

^{****}Debenture interest shown for Projects 15 and 18 reflects only future debenture interest. Historical debenture interest is included in historical expenditures.

A map showing the location of this infrastructure is shown below.

Location of Transportation Offsite Infrastructure



D2. Transportation Offsite Infrastructure Grants & Contributions to Date

The MGA enables the City to allocate the costs of offsite infrastructure to future development, other than those costs that have been provided by way of special grant or contribution (i.e., contributed infrastructure). The City of Spruce Grove has/will receive \$0.15 million in special grants and contributions for transportation offsite levy infrastructure as shown in the table below (note, if the City receives other grants or contributions in the future, it will be reflected in one of the annual updates and rates adjusted accordingly). The result is that the total reduced project estimated cost is \$119.55 million.

Special Grants and Contributions for Transportation Offsite Infrastructure

Item	Project Description		otal Project imated Cost	Spe	cial Provincial Grants	Agr	reloper eement ributions	Other Contributions		III boross	uced Project Imated Cost
1	Campsite Road Twinning	5		S		\$	-	S	- 14	S	137,529
2	Grove Drive - Century Road to Greystone	\$	58,771	S	-46	3		\$		3	58,771
3	Traffic Signals - Campsite Road and McLeod Ave	\$	203,441	_		\$		S	0.5	\$	203,441
4	Traffic Signals - Campsile Road and Grove Drive	\$	104,864	\$		3		5		\$	104,884
5	Grove Drive Twinning/Widening - Campsite to Century	3	5,828,599	5		\$		3		5	5,828,599
6	TLC Signafization	5	262,197			S	-	\$		\$	262, 197 1,872,898
7	Century Road Widening/Landscaping	\$	1,872,898			\$	-	3	-	5	3.130,734
8	Grove Drive East/West	5	3,130,734			S	-	5	- 67	8	200,970
9	Traffic Signals - Jennifer Heil Way and Hawthorne Gate Intersection	18.2	0110-02500 NA	100	-		- 33			30	APPRECIO
10	Century Road South of Diamond Ave.	5	1,474,213	\$	151,961	S		\$	- 34	\$	1,322,252
11	Traffic Signale - Highway 16A/Century Crossing	\$	376,882		/50	5	-70	\$		8	378,882
12	Century Road/ Grove Drive Intersection	8	1,546,798			\$	-	3	-	8	1,546,798
13	Grove Drive East Extension	\$	1,650,186	\$		\$	- 50	\$		S	1,650,188
14	Traffic Signals - (1) Grove Dr and Greystone, and (2) Grove Or and Harvest Ridge	\$	370,210	\$		\$		\$	3.9		370,210
15	Pioneer Rd - Grove Dr to Highway 16A with roundabout at McLeod Ave and Grove Dr	\$	11,175,344	S		\$		\$		s	11,175,344
16	South Industrial Arterial - Tamarack Drive	\$	760,710	S		\$		\$	204	S	780,710
17	Traffic Signals - Grove Ortve and Deer Park	\$	261,978	S	-	5		\$	- 57	3	261,976
18	Widening Jennifer Heil Road/Campaite Rd from McLeod Ave to south of the CN rail	s	2,546,508	S		S		\$	1/4	s	2,546,508
19	Temarack Drive 2LAUD - 200m from Golden Spike Rd east	S	732,000	8	-	5		\$		3	732,000
20	Tamarack Drive 2LAUD - 1400m from existing to Century Rd	S	5,124,000	S		S	20	5		\$	5,124,000
21	Tamarack Drive 4LAUD + 1600m from Golden Spike Rd to Century Rd	8	5,856,000	\$		S	- 20	s	- 14	5	5,856,000
22	Tamarack Drive 2LAUD - 90m from Golden Spike Rd west	S	329,400	\$		5		S	0.50	5	329,400
23	Tamarack Drive 2LAUD - 1500m from existing to Campsite Rd	\$	5,490,000	\$		S	100	S		\$	5,490,000
24	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Campaire Rd	\$	5,856,000	\$	-	s	-	S	4-5	\$	5,856,000
25	Pigneer Road 2LAUD - 400m south of Hwy 16A	3	1,464,000	\$		\$		3	0.00	\$	1,464,000
26	Pigneer Road 4LAUD - 400m south of Hwy 16A	5	1,464,000	\$		S		3	243	\$	1,464,000
27	Pioneer Road 4LAUD - 1400m Hwy 16A to Grove Dr	\$	5,124,000	3	- 3	5		\$	-	\$	5,124,000
28	Century Road 2LAUD - 2400m Hwy 16A to south boundary	3	8,784,000	5		\$		3		\$	8,784,000
29	Century Road 4LAUD - 2400m Hwy 16A to south boundary	\$	8,784,000	\$		S		\$		\$	8,784,000
30	Grove Drive East 4LAUD - 1000m to Pioneer Rd	\$	3,660,000	8		5		\$		8	3,680,000
31	Grove Drive West 2LAUD - 600m to Boundary Rd	\$	2,196,000			\$		3	-	\$	2,196,000
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	\$	5,124,000		-	\$	- 3	\$		8	5,124,000
33	Campsite Road 2LAUD - 1300m from CN to south boundary	\$	4,758,000			\$		\$	-	\$	4,758,000
34	Campsite Road 4LAUD - 1300m from CN to south boundary	5	4,758,000			\$		5	- 2	\$	4,758,000
35	Golden Spike Road 2LAUD - 1400m to south boundary	\$	5,124,000		-	5	*	\$		\$	5,124,000
36	Golden Spike Road 4LAUD - 1400m to south boundary	5	5,124,000			\$	•	\$	-	5	5,124,000 4,392,000
37	Boundary Road 2LAUD - 1200m to Hwy16A	\$	4,392,000			\$	- 50	\$		5	360.000
38	Traffic Signals - Boundary @ McLeod	8	380,000 360,000		-	\$	-	S	-	5	360,000
39	Traffic Signals - Hwy 16A - between Boundary & Campsite	\$	380,000		- :	\$		\$	- :	8	360,000
40	Traffic Signals - Campalte - between Grove Dr & Hwy 16 Traffic Signals - Campate @ Diamond	\$	360,000			8	- 1	S	-	S	360,000
41	Traffic Signals - Campsite @ Diamond Traffic Signals - Campsite @ Tamerack	5	360,000			\$		8	200	5	360,000
43	Traffic Signals - Campste @ Tamarack Traffic Signals - Golden Spike @ Diamond	\$	380,000			S		\$	- 953	S	360,000
44	Traffic Signals - Golden Spike @ Tamarack	5	360,000			\$	-	S		3	360,000
45	Traffic Signals - Century @ Diamond	5	360,000		- :	S	-	S		S	360,000
48	Treffic Signals - Century @ Clamono Treffic Signals - Century @ Tamarack	\$	380,000			5	-	5	-	3	360,000
47	Traffic Signals - Grove Dr @ Greenbury Blvd	s	360,000			s	-	s	574.0	3	360,000
41	Traine organia - Grove or & Greenbury and	8	119,704,208		151,961	S		S	-	\$	119,552,247

D3. Transportation Infrastructure Staging

The timing of construction is used to determine the impact of inflation on cost, the impact of forecast reserve balances, and the estimate of financial oversizing (described in the Section that follows). The City anticipates construction of offsite infrastructure as outlined in the table below. Note, if this schedule is adjusted in the future, it will be reflected in one of the City's annual rate/bylaw updates.

Transportation Infrastructure Staging

ltem	Project Description	Construction Star Year
1	Campsite Road Twinning	2006
2	Grove Drive - Century Road to Greystone	2005
3	Traffic Signals - Campaile Road and McLeod Ave	2006
1	Traffic Signals - Campsite Road and Grove Drive	2008
5	Grove Drive Twinning/Widening - Campsite to Century	2006
6	TLC Signalization	2008
7	Century Road Widening/Landscaping	2009
8	Grave Drive East/West	2009
9	Traffic Signals - Jennifer Heil Way and Hawthorne Gate Intersection	2010
10	Century Road South of Diamond Ave,	2011
11	Traffic Signals - Highway 16A/Century Crossing	2011
12	Century Road/ Grave Drive Intersection	2013
13	Grove Drive East Extension	2013
14	Traffic Signals - (1) Grove Dr and Greystone, and (2) Grove Dr and Harvest Ridge	2013
15	Pioneer Rd - Grove Dr to Highway 18A with roundabout at	2013
	McLeod Ave and Grove Dr	2016
16	South Industrial Arterial - Tamarack Orive	2015
17	Traffic Signals - Grove Drive and Deer Perk	2015
18	Widering Jennifer Hall Road/Campsite Rd from McLeod Ave to	2010
	south of the CN rail	2015
19	Tamarack Drive 2LAUD - 200m from Golden Spike Rd east	2028
20	Tamarack Drive 2LAUD - 1400m from existing to Century Rd	2028
21	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Century Rd	2040
22	Tamarack Drive 2LAUD - 90m from Golden Spike Rd west	2024
23	Tamarack Drive 2LAUD - 1500m from existing to Campsite Rd	2024
24	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Campsite Rd	2034
25	Pioneer Road 2LAUD - 400m south of Hwy 16A	2038
28	Pioneer Road 4LAUD - 400m south of Hwy 16A	2042
27	Pioneer Road 4LAUD - 1400m Hwy 16A to Grove Dr.	2030
28	Century Road 2LAUD - 2400m Hwy 16A to south boundary	2028
29	Century Road 4LAUD - 2400m Hwy 16A to south boundary	2040
30	Grove Drive East 4LAUD - 1000m to Pioneer Rd	2021
31	Grove Drive West 2LAUD - 600m to Boundary Rd	2020
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	2036
33	Campsite Road 2LAUD - 1300m from CN to south boundary	2031
34	Campsite Road 4LAUD - 1300m from CN to south boundary	2042
35	Golden Spike Road 2LAUD - 1400m to south boundary	2026
36	Golden Spike Road 4LAUD - 1400m to south boundary	2038
37	Boundary Road 2LAUD - 1200m to Hwy16A	2020
38	Traffic Signals - Boundary @ McLeod	2040
39	Traffic Signals - Hwy 16A - between Boundary & Campsite	2020
40	Traffic Signals - Campatte - between Grove Dr & Hwy 16	2021
41	Traffic Signals - Campsite @ Diamond	2029
42	Traffic Signels - Campelle @ Tamarack	2030
43	Traffic Signals - Golden Spike @ Diamond	2023
44	Traffic Signals - Golden Spike @ Tamarack	2029
45	Traffic Signals - Century @ Diamond	2024
46	Traffic Signals - Century @ Tamerack	2024
	Traffic Signals - Century & Tarilalack	2021

^{*}Projects anticipated for construction beyond the 25-year review period are shown as "2041"

D4. Transportation Offsite Infrastructure Benefiting Parties

The transportation offsite infrastructure previously outlined will benefit various parties to varying degrees as determined by the City. Four potential benefiting parties were identified including:

^{**}The share of projects constructed beyond the 25-year review period are not included in rates today (see financial oversizing in next section).

^{***}Project costs are inflated by 3% per annum to the year of construction.

- City of Spruce Grove a portion of the transportation infrastructure which is required to service existing residents.
- Other Stakeholders other parties (such as neighboring municipalities) that benefit from the infrastructure,
- City of Spruce Grove Future Development (Financial Oversizing) that portion of cost which benefits future development beyond the 25-year review period.
- City of Spruce Grove Future Development (In Rates) all growth related infrastructure (i.e., levyable transportation infrastructure costs) during the 25-year rate planning period.

The table below outlines the allocation of transportation offsite levy infrastructure costs to benefiting parties. Project allocations were determined by City staff.

Allocation of Transportation Infrastructure to Benefiting Parties

Bom	Project Description		ped Project nated Cost	Muni Share %	Other Stakeholder Share	Developer Share Beyond 25 Yrs (Financial Oversizing %)	OSL / Develope Share %
1	Campsite Road Twinning	S	137,529			0.0%	100.0%
2	Grove Drive - Century Road to Greystone	\$	58,771			0.0%	100,0%
3	Traffic Signals - Campsite Road and McLeod Ave	\$	203,441			0.0%	100.0%
4	Traffic Signals - Campsite Road and Grove Drive	8	104,884			0.0%	100.0%
5	Grove Drive Twinning/Widening - Campsite to Century	\$	5,828,599			0.0%	100.0%
6	TLC Signalization	S	262,197	A STATE OF THE STA		0.0%	100.0%
7	Century Road Widening/Landscaping	\$	1,872,896			0.0%	100.0%
8	Grove Drive East/West	\$	3,130,734			0,0%	100.0%
9	Traffic Signals - Jennifer Heil Way and Hawthorne Gate Intersection	5	200,970		harsto un	0.0%	100,0%
10	Century Road South of Diamond Ave.	5	1,322,252			0.0%	100.0%
11	Traffic Signals - Highway 16A/Century Crossing	\$	376,862			0.0%	100.0%
12	Century Road/ Grove Drive Intersection	\$	1,548,798			0.0%	100.0%
13	Grove Drive East Extension	5	1,850,188			0.0%	100.0%
14	Traffic Signals - (1) Grove Dr and Greystone, and (2) Grove Dr and Harvest Ridge	\$	370,210			0.0%	100.0%
15	Pioneer Rd - Grove Dr to Highway 16A with roundabout at McLood Ave and Grove Dr	\$	11,175,344			0.0%	100.0%
18	South Industrial Arterial - Tamarack Drive	5	760,710			0.0%	100.0%
17	Traffic Signals - Grove Drive and Deer Park	\$	281,976	4		0.0%	100.0%
18	Widering Jennifer Heil Road/Campsite Rd from McLead Ave to south of the CN reli	5	2,546,508			0.0%	100.0%
19	Tamarack Drive 2LAUD - 200m from Golden Spike Rd east	3	732,000			44.0%	56.0%
20	Temerack Drive 2LAUD - 1400m from existing to Century Rd	\$	5,124,000			44.0%	58.0%
21	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Century Rd	5	5,856,000			92.0%	B.0%
22	Tamarack Drive 2LAUD - 90m from Golden Spike Rd west	S	329,400			28.0%	72,0%
23	Tamarack Drive 2LAUD - 1500m from existing to Campsite Rd	5	5,490,000			28.0%	72.0%
24	Temarack Drive 4LAUD - 1600m from Golden Spike Rd to Campste Rd	S	5,856,000			68.0%	32.0%
25	Planeer Road 2LAUD - 400m south of Hwy 16A	S	1,464,000			84.0%	16.0%
26	Pioneer Road 4LAUD - 400m south of Hwy 16A	S	1,464,000			100.0%	0.0%
27	Planeer Road 4LAUD - 1400m Hwy 16A to Grove Dr	S	5,124,000			52.0%	48.0%
28	Century Road 2LAUD - 2400m Hwy 16A to south boundary	\$	8,784,000			44.0%	66.0%
29	Century Road 4LAUD - 2400m Hwy 16A to south boundary	S	8,784,000			92.0%	8,0%
30	Grove Drive East 4LAUD - 1000m to Pioneer Rd	\$	3,660,000			16.0%	84.0%
31	Grove Drive West 2LAUD - 800m to Boundary Rd	\$	2,196,000			12.0%	88.0%
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	\$	5,124,000			76.0%	24.0%
33	Campsite Road 2LAUD - 1300m from CN to south boundary	\$	4,758,000			56.0%	44.0%
34	Campsite Road 4LAUD - 1300m from CN to south boundary	S	4,758,000			100,0%	0.0%
35	Golden Spike Road 2LAUD - 1400m to south boundary	\$	5,124,000			36.0%	64.0%
36	Golden Spike Road 4LAUD - 1400m to south boundary	\$	5,124,000			84.0%	16.0%
37	Boundary Road 2LAUD - 1200m to Hwy16A	5	4,392,000			12.0%	88.0%
38	Treffic Signals - Boundary @ McLeod	\$	360,000			92.0%	8.0%
39	Traffic Signals - Hwy 16A - between Boundary & Campaile	5	360,000			12,0%	88,0%
40	Traffic Signals - Campsite - between Grove Dr & Hwy 16	\$	360,000			16.0%	84.0%
41	Traffic Signals - Campaile @ Diamond	\$	380,000			48.0%	52.0%
42	Traffic Signals - Campsite @ Tamerack	5	380,000			52.0%	48,0%
43	Treffic Signals - Golden Spike @ Diamond	\$	360,000			24.0%	76.0%
44	Traffic Signals - Golden Spike @ Temerack	3	380,000			48,0%	52.0%
45	Traffic Signals - Century @ Diamond	\$	360,000			28.0%	72.0%
46	Traffic Signals - Century @ Tamerack	S	360,000			96.0%	4.0%
47	Traffic Signals - Grove Dr @ Greenbury Blvd	8	380,000			16.0%	84.0%

^{*}Allocations were determined by the City (see Appendix G).

D5. Existing Receipts & Adjusted Levy Cost

Using the offsite levy share percentages shown in the previous section and applying those

^{**}Financial oversizing is determined by separating out the pro rata portion of developer cost beyond the 25-year review period, in comparison with the anticipated year of construction. As the years move forward and rates are updated, these additional developer costs will be included in rate calculations.

^{***}As noted in Appendix A2, though all current lands in Spruce Grove are anticipated to develop within the 25year review period, staff have advised that annexation of additional municipal lands is very likely during the next 5 years. Accordingly, additional lands will be included in the staging forecast during future rate updates, just as additional costs (currently classified as "financial oversizing") will be included in future rate updates.

percentages to project costs results in an offsite levy cost of approximately \$68.28 million. However, prior to allocating these costs to benefiting areas, existing offsite levy receipts collected from developers need to be considered in determining the residual/net costs to developers. The City has collected \$18.90 million in offsite levies to date. This results in an adjusted offsite levy cost of approximately \$49.38 million.

Offsite Levy Funds Collected to Date & Adjusted Levy Cost

Item	Project Description	OSL	/ Developer Cost	Fun	offsite Levy ads Collected Dec 31, 2016	Fun	ffsite Levy ds Collected arting Jan 1, 2017		Adjusted eloper (Levy) Cost
1	Campsite Road Twinning	\$	137,529	S	137,529	s		\$	
2	Grove Drive - Century Road to Greystone	\$	56,771	S	56,771	S	-	\$	-
3	Traffic Signals - Campsite Road and McLeod Ave	\$	203,441		203,441	S	- 2	\$	- 2
4	Traffic Signals - Campalte Road and Grove Drive	\$	104,864	S	104,884	S	-	\$	-:
5	Grove Drive Twinning/Widening - Campsite to Century	\$	5,828,599	S	5,828,599	\$		\$	- S
6	TLC Signalization	\$	262,197	S	262,197	S		\$	-
7	Century Road Widening/Landscaping	\$	1,872,896	S	1,872,896	S		\$	2
8	Grove Drive East/West	\$	3,130,734	S	3,130,734	S		\$	- 9
9	Traffic Signals - Jennifer Heil Way and Hawthome Gate Intersection	s	200,970	S	200,970	S	*	\$	햿
10	Century Road South of Diamond Ave.	\$	1,322,252	Ş	1,322,252	-		\$	-
11	Traffic Signals - Highway 16A/Century Crossing	\$	376,862	\$	376,862	\$	270	S	-
12	Century Road/ Grove Drive Intersection	S	1,546,798	\$	1,546,798	\$		S	
13	Grove Drive East Extension	S	1,650,186	\$	1,650,186	\$		S	-
14	Traffic Signals - (1) Grove Dr and Greystone, and (2) Grove Dr and Harvest Ridge	s	370,210	\$	370,210	\$	*	S	53
15	Pioneer Rd - Grove Dr to Highway 16A with roundabout at McLeod Ave and Grove Dr	s	11,175,344	99		\$		\$	11,175,344
16	South Industrial Arterial - Tamarack Drive	\$	760,710	\$	-	\$		S	760,710
17	Traffic Signals - Grove Drive and Deer Park	\$	261,976	\$	137,529	\$		S	124,447
18	Wildening Jennifer Heil Road/Campsite Rd from Mcl.eod Ave to south of the CN rail	005	2,546,508	\$	1,696,507	\$		\$	850,001
19	Tamarack Drive 2LAUD - 200m from Golden Spike Rd east	\$	409,920	\$	-	\$		\$	409,920
20	Tarmarack Drive 2LAUD - 1400m from existing to Century Rd	\$	2,869,440	44	*	\$	*	\$	2,869,440
21	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Century Rd	\$	468,480	64		\$	15	\$	468,480
22	Tamarack Drive 2LAUD - 90m from Golden Spike Rd west	\$	237,168	\$		\$	125	\$	237,168
23	Tamarack Drive 2LAUD - 1500m from existing to Campsile Rd	\$	3,952,800	\$		\$	(7)	\$	3,952,800
24	Tamarack Drive 4LAUD - 1600m from Golden Spike Rd to Campsite Rd	\$	1,873,920	\$	LBS	\$		\$	1,873,920
25	Pioneer Road 2LAUD - 400m south of Hwy 16A	\$	234,240	\$		S		\$	234,240
26	Pioneer Road 4LAUD - 400m south of Hwy 16A	\$		\$		\$		\$	-
27	Pioneer Road 4LAUD - 1400m Hwy 16A to Grove Dr	\$	2,459,520	\$	8*	S	-	\$	2,459,520
28	Century Road 2LAUD - 2400m Hwy 16A to south boundary	\$	4,919,040			S		\$	4,919,040
29	Century Road 4LAUD - 2400m Hwy 16A to south boundary	\$	702,720			S		\$	702,720
30	Grove Drive East 4LAUD - 1000m to Pioneer Rd	\$	3,074,400			S		\$	3,074.400
31	Grove Drive West 2LAUD - 600m to Boundary Rd	\$	1,932,480		-	S		\$	1,932,480
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	\$	1,229,760			S		\$	1,229,780
33	Campaite Road 2LAUD - 1300m from CN to south boundary	\$	2,093,520	S		S		\$	2,093,520
34	Campsite Road 4LAUD - 1300m from CN to south boundary	\$	9 970 960	S	-	S		S	3,279,380
35	Golden Spike Road 2LAUD - 1400m to south boundary	\$	3,279,360	S		S	- 1	S	3,279,380 819,840
36	Golden Spike Road 4LAUD - 1400m to south boundary	\$	819,840 3,864,960	S		\$	-	S	3,864,950
37	Boundary Road 2LAUD - 1200m to Hwy18A	\$	28,800	S		3		8	28,800
38	Traffic Signals - Boundary @ McLeod Traffic Signals - Hwy 18A - between Boundary & Campsite	S	316,800	S		\$	- 1	S	316,800
40	Traffic Signals - Pays 16A - between Boundary & Campsite Traffic Signals - Campsite - between Grove Dr & Hwy 16	\$	302,400	S		\$		S	302,400
41	Traffic Signals - Campsile @ Diamond	S	187,200	S		\$		S	187,200
42	Traffic Signals - Campsite @ Diamond Traffic Signals - Campsite @ Tamarack	S	172,800	S	- 12	\$		S	172,800
43	Traffic Signals - Campaile @ Tamarack Traffic Signals - Golden Spike @ Diamond	S	273,600	\$	-	\$		S	273,600
44		S	187,200	3		\$	- 6	S	187,200
45	Treffic Signals - Golden Spike @ Tamarack Treffic Signals - Century @ Diamond	S	259,200	3		\$	-	S	259,200
45		S	14,400			\$		S	14,400
40									
46 47	Traffic Signals - Century @ Tamarack Traffic Signals - Grove Dr @ Greenbury Blvd	S	302,400	\$	100	\$		s	302,400

D6. Summary of Transportation Offsite Levy Cost Flow-through

As shown in the figure below, the total cost for transportation infrastructure that forms the basis of the rate is approximately \$49.38 million. The cost allocations to each benefitting party are based on the benefitting percentages shown in Section D4. The offsite levy balance (due from developers) is allocated to various benefitting areas (as described in the next section).

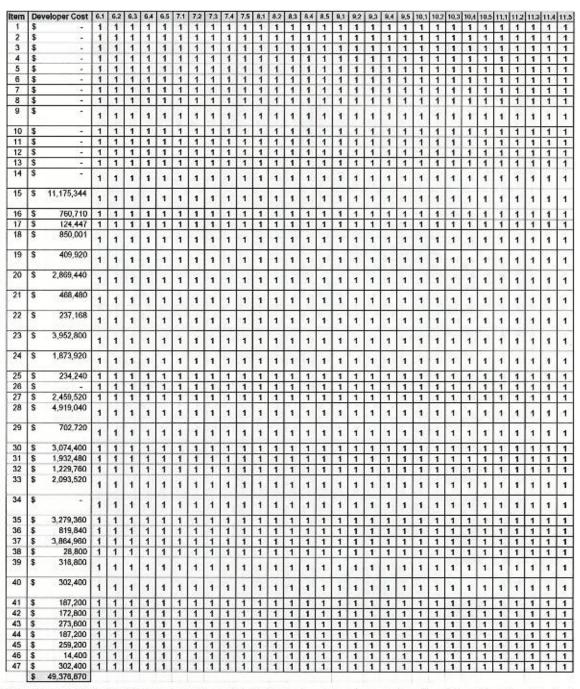
Total Transportation Offsite Levy Costs Less: Levy = Future = Off-site Receipts Development Balance* Applied (OSL Share) \$49.38M \$18,90M \$68.28M = Future Development "Financial Oversizing" \$51.28M Less: Special Project = Project = Other Grants & Costs Balance Share Contributions \$119.70M \$119.55M \$0.00M \$0.15M = Existing Development (City Share) \$0.00M

D7. Transportation Infrastructure Benefiting Areas

Net developer costs for each project have been allocated to multiple benefiting offsite levy area (see tables below). Allocations are denoted with a "1" below applicable area numbers. Benefiting areas were determined by City staff. The lands anticipated to develop over the 25-years in each offsite levy benefitting area are used to determine rates.

Benefiting Areas for Transportation Offsite Infrastructure

tem	De	veloper Cost	1.1	12	1,3	1.4	1.5	2.1	2.2	2.3	2.4	2.5	3.1	3.2	3,3	3,4	3.5	4.1	4.2	4.3	4.4	4.5	5.1	5.2	5.3	5.4	5
1	\$	11 SQ ST SE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	\$	243	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	\$	5 to 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	\$		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	\$	11000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	\$	723	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T
7	\$	F-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	\$	14-25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
9	\$	858	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	İ
10	\$		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
11	\$	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
12	\$	5-8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
13	3	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
14	\$	1273	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
15	\$	11,175,344	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	H
16	e	760,710	1	1		1		1	1		1	1	1	159	1	3.7	1	1	1		1	1	1	1	13	1	
17	\$		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
-	and and the last	124,447	1	·3	1	1	31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-1	1	ŀ
18	\$	850,001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	S	409,920	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	\$	2,869,440	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	\$	468,480	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	S	237,168	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
23	s	3,952,800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
24	S	1,873,920	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	f
25	s	234,240	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	S	- O	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
27	\$	2,459,520	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
28	\$	4,919,040	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	İ
29	S	702,720	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
30	S	3,074,400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
31	\$	1,932,480	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
-	\$	1,229,760	1	1	1	1	1	1	1		1	1	1	-	1	-	1	1	1	-	1	-	1	1	1	1	+
32	S	2,093,520	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	\$	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
35	S	3,279,360	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-
	_		-	_		-	-	_	1	-	-	-	1		-		-		-	-	_	1	1	_	_	_	+
36	\$	819,840	1	1	1	1	1	1	-	1	1	1	-	1	1	1	1	1	1	1	1	-	-	1	1	1	t
37	\$	3,864,960	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
38	\$	28,800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	\$	316,800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	\$	302,400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
41	\$	187,200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T
42	\$	172,800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	\$	273,600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
44	\$	187,200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	t
45	\$	259,200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
46	\$	14,400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+
47	\$	302,400	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	H
er.	4	49,376,870		1	100	-			1 1				70 B			- 1	1	1.1	100				100		- 4		L



^{*}The City has indicated that transportation offsite infrastructure is a single "system", and has therefore allocated future infrastructure costs to all areas.

D8. Reserve Balance

At December 31st, 2016, the balance of the City's transportation reserve is \$(4,496,792.05),

as shown in the table below.

The City also needs to establish a set of "sub-ledgers" to track the amounts due to frontending parties, including interest impacts in accordance with the interest rates underpinning the bylaw.

Transportation Offsite Levy Reserve Balance

Description	Dr	Cr	Balance
Offsite Levy Expenditures to December 31, 2016		\$23,395,137.23	\$(23,395,137.23)
Offsite Levy Receipt Allocations to December 31, 2016	\$18,898,345.18		\$ (4,496,792.05)
9 (4) (4) (5) (4) (4) (4) (5) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4			\$ (4,496,792.05)
			\$ (4,496,792.05)
Opening Balance			\$ (4,496,792.05)

^{*}A complete reconciliation of the City's existing reserve/account is shown in Appendix E.

D9. Development and Transportation Infrastructure Staging Impacts

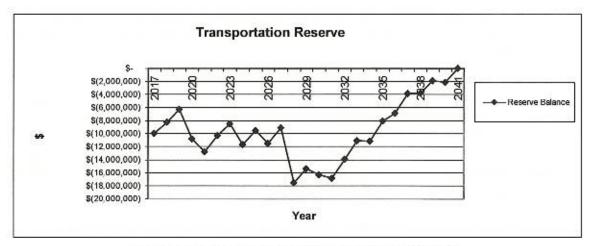
Transportation offsite infrastructure will be constructed in staged fashion over the 25-year review period. We have reviewed the availability of offsite levy funds to meet these construction requirements and found that offsite levy reserve funds will not be sufficient to pay for construction of transportation infrastructure from time to time—front ending of infrastructure will be required. A front-ender is the party that constructs and pays up front for infrastructure that benefits other parties.

In order to compensate parties for capital they provide in front-ending offsite infrastructure construction, a 2.71% interest allowance has been charged to the reserve when it is forecast to be in a negative balance. Further, a 0.85% interest credit has been provided to the reserve when it is forecast to be in a positive balance. The graph and table below outline the forecast transportation levy reserve balances over the 25-year development period.

If necessary, an interest staging adjustment has been applied to rates (slightly positive or slightly negative) to ensure that the forecast reserve balance at the end of the 25-year review period always returns to break-even (i.e., developers are not charged too much thereby providing a windfall to the City, nor are they charged too little thereby placing an unequitable burden on taxpayers).

The 20-year debenture rate at the Alberta Capital Finance Authority at the time of writing was ~2.71%.

Anticipated Transportation Offsite Levy Reserve Balances



Anticipated Transportation Offsite Levy Reserve Balances

				Res	serve Balance	\$	(4,496,792)
Year	Receipts	E	Expenditure		Interest		Balance
2017	\$ 1,912,809	\$	7,152,220	\$	(263,948)	\$	(10,000,152)
2018	\$ 2,019,931	\$		\$	(216,344)	\$	(8, 196, 565)
2019	\$ 2,060,330	\$	-	\$	(166,353)	\$	(6,302,588)
2020	\$ 2,267,771	\$	6,487,857	\$	(285,270)	\$	(10,807,944)
2021	\$ 2,335,804	\$	4,021,142	\$	(338,693)	\$	(12,831,974)
2022	\$ 2,779,027	\$		\$	(272,535)	\$	(10,325,482)
2023	\$ 2,350,746	\$	317,239	\$	(224,795)	\$	(8,516,770)
2024	\$ 2,421,269	\$	5,313,571	\$	(309,300)	\$	(11,718,372)
2025	\$ 2,457,778	\$	_	\$	(251,055)	\$	(9,511,649)
2026	\$ 2,499,167	\$	4,155,002	\$	(302,750)	\$	(11,470,234)
2027	\$ 2,590,047	\$	2	\$	(240,742)	\$	(9,120,928)
2028	\$ 3,104,527	\$	11,020,103	\$	(461,860)	\$	(17,498,364)
2029	\$ 3,085,857	\$	518,358	\$	(404,776)	\$	(15,335,641)
2030	\$ 3,173,736	\$	3,753,788	\$	(431,474)	\$	(16,347,167)
2031	\$ 3,072,198	\$	3,075,002	\$	(443,248)	\$	(16,793,218)
2032	\$ 3,237,369	\$	-	\$	(367,499)	\$	(13,923,348)
2033	\$ 3,163,227	\$	-	\$	(291,707)	\$	(11,051,828)
2034	\$ 3,216,095	\$	3,007,675	\$	(293,965)	\$	(11, 137, 373)
2035	\$ 3,312,577	\$	**************************************	\$	(212,130)	S	(8,036,926)
2036	\$ 3,412,329	\$	2,093,991	\$	(182,141)	\$	(6,900,729)
2037	\$ 3,120,325	\$		\$	(102,487)	\$	(3,882,891)
2038	\$ 2,097,071	\$	1,904,155	\$	(100,035)	\$	(3,790,010)
2039	\$ 1,996,958	\$		\$	(48,610)	\$	(1,841,663)
2040	\$ 2,056,866	\$	2,299,771	\$	(56,513)	\$	(2,141,080)
2041	\$ 2,169,505	\$	28,425	\$	(0)	\$	(0)

APPENDIX E: OFFSITE LEVY RESERVE RECONCILIATION

The 3 tables below (Transportation reserve, Water reserve, and Sanitary reserve) were prepared by City staff, drawing information from the City's financial system. The tables provide a summary of all historical revenues, expenditures, interest adjustments, and closing balances in the reserve from 1999 to 2016 for the Water and Sanitary reserves, and from 2006 to 2016 for the Transportation reserve. The balance highlighted in 'yellow' aligns with the results reflected in the City's 2016 financial statements. The balance highlighted in 'green' reflects the new adjusted balance, based on the analysis undertaken by staff during this project.

Continuity Schedule - Transportation Reserve	2006	2007	2008	2009	2010	2011	2012	2013	2014	2016	2016
Offsite Levies Roads	777.										
Opening Balance	-	531 250.57	(776,515,90)	(928,579,99)	(790,200,25)	(790 200 25)	(790,200,25)	(790,200,25)	12,976,105,731	(5,099,676,71)	6,086,752,00
Revenue - Developer Contributions	(497,845,80)	(1.307,766,66)	(467,405,83)	(305,407,50)	(889,049,05)	(436 775 00)	(2.419.774.16)	[7,585,364,40]	[1,714,741.45]		7.
Deferred Revenue - Developer Contributions			12*		8 -			+	(2,083,997,95)	(3,626,050,08).	(490,621,74
Grente - Case Tax		1	- 4		33	* 6	(151,961.20)	+10	**************************************		
Interest (Income Earned) Paid on Long-Term Debt	-			- 20	20 4	- 3		+ 1	(37,572,58)	(45,939,20)	11,238.00
Lorg-Term Debt	3150 ANS		200000000			7.0	8.00	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			(4,000,000.00
Project Expenditures	79,577.50	20000000 0 00	315,341.83	439,787.89	114,284.00	1100 C (100 C)	45,569	2,145,607,80	1,421,586.16	696,761.40	5,622,630.00
Historical Projects Ressugred	5,686,759.00	511,778.00		2,832,769.00	1,613,006.00	1,639,653,00	215,965.00	2.00.00	100000 St. # 11		
	5,760,781,00	511,778,00	315,341.43	3,272,568.89	1,727,290.00	1,839,863.00	215.984.41	2.145,607,80	1,421,586.16	696,761,40	5,622,630,00
2013 Restatement		2		12	765,665.05	208 385.00	1,923,770.18	(2,896,832.21)			
Recoy internal borrowing	949,574,47										
Transfer to operating				4,992.65			(259.544.80)				
Adjustment for historical projects respanyed	(5,888,759.00)	(511,778.00)	((2,832,769.00)	(1.613.006.00)	(1,639,863,00)	(215,965,00)			13,833,432.00	
Adjustment for cost reallocations	39 (9 38		2	NG 4	88	231,387,00	907,501.59	1,228,683.33	293,154.84	328,224.60	301,900.00
Closing Belance	631,250.67	(776,516.99)	(928,679,99)	(790,200,26)	[790,200.25]	(791,200.25)	(790,200,25)	(2,978,105.73)	(5,099,676.71)	6,086,752.00	7,532,095.26
Ending Defensed Balance		=		-				753	(5,089,670,71)		
Ending Deficit (Surplus)	531,250,67	(776,515,98)		[790,200,25]	[790,200,25]	(/90/200.25)	(790,200,75)		VE 000 000 000	8,086,752.00 6,086,752.00	7.532,098.26
Total	531,250.67	(776,515.99)	(928,579.99)	(790,200,26)	[790,200,25]	(790,200,25)	(790,200,20)	(2,978,105,73)	(5,099,676,71)	6,086,732.00	7,532,092.20
Adjusted Ending Ralances											
Adustment for cost realiseations						(730,387,00)	(907 501 58)	(1.228.683.23)	1793 154 841	(328 224 80)	(301 900 00
Transfer to operating				(4,999.65)		10000	259,544,80	11,200,000,000	1222 12121	1200 201 201	
Ending Deferred Selence				(=,0021.00)	25	<u> 5</u> 6	222,044.00		(7 504 858.37)		
Ending Deficit (Surplus)	531,750.67	(725 515 99)	(978.579.09)	1795 199,901	(705.199.90)	(1,025,556,90)	(1,673,543,69)	(5.090,132,50)		3,353,345,79	4.495,792,05
Latel	631,250.67	(776,516,99)	(928,579,99)	(785 199.90)	(795,199,90)				(7,504,658,32)	3,353,345,79	4,495,792,05
		4-1-4-100-0-1	Leaning annual	The second second	The second second	T. C. C. C. C. C.	4.4	4-1			

Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	M 20	0 200	20	M 30	68 9004	paret.	gest	300	.200	2005	2019	3011	3013	3013	3016	2010	2016
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	# Winter				due de	San Maria	40000	at Testina		Carried as	and the same	on Alberta	nell and		CONTROL OF THE	200 Same	William.	J. 100 /200
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Destructive Personnel			F.00	CHARL STATE					3.01 09.14	magainse.	Maran et	partners,	M.862,715-56	0.86	11.594/05-20-	8.9012/201	Water the
THE 1842 Property Propert	4 26			775.077			201714	10 (000.214)				5.2						400 800 60
1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906 1906								31 .	20		2.4	-	24	(4)	-	(01701-02)	1114 ORB 304	(22) (24.30)
1000000000000000000000000000000000000		Mark (at)	ment line	MINT DIE	arro his	mente Confere	atty (satisfic	201 200	11 . 1000,000 70	TATALOGUE, SA	(20), (16,00)	\$999,634,500	E/9,512.00)	D00.00445				(6,700,000,00)
	restrict.	-0.70		Second				war north a		25.40					(COR, COL 72)			
		-		1		ax ea		2							9.44 44.70	1100,000,000	301.124.00	A.790, 450 M.
The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The column The				MANUEL I	WARI .				(130.811.72	797 888 40	2.775.12			*******		cas to		
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part							S. P. Const.						#24,816.5eb			*****		
Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Processes Proc		40.	E00 (18)	121 Hr 321	sam lost	SHOW COLUM	70, 904,600	6) (228C)96)	to procuese	349,6744	MARS 165.50	50.807,740.600.	\$4,662,110,061	528	0.64,6000	8 68031000	\$20,000,00	G 143,732,43
Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property Property													3000		A	H 108 (01.27)	2201 MA 10	CHARRY
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100		4												. 2				
CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION CREATION			48	Service - 950	42.55 (MI)	NEGO: 149E.70	DAT (5/6,505	or or an real	D 0.0136240					100	7 764 764 500	P. 104 - 31 25	3,261,000,101	12-149 30 39
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100																		
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	winament		62	0.2	200	12		20, 129,										
Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column Column C								100										1968,496,733
Children 0505072 Selection 1748076 Selec		7.7		00 A	0.000						(12), 171.42)		824,850,50	36	200	200000000000000000000000000000000000000		-9000
Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer Transfer		2000										Section and and	contract.	muca the		0.500 (05.5)	9,460 102,761	SECTION OF
1888 2505 2501 2505 2505 2505 2505 2505 2505																		
MARKATS CRESTALLY CRESTA																		
PART 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997	nisie - Sinere Reserve	1.2	922	2000	822	1000												
Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Companies Comp			2000	7001	XED	2008	2004	post	206 30	200	2010	g113	201	2012	201	2014	3013	2016
Communication Free Communication Commu	Zener Reserve	100000			. 1911/5 %	273.63	48593	X X	Titu	St. 350	200							
Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Process Proc	er Reserve	радыя	(400,000,40)	on miles	. 1911/5 %	273.63	48593	P2021572	G00 254 W	St. 350	2007 161 - 1500425.							1, 107,000 to
### PARTIES OF PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES (1999) PARTIES		(150,500.3 (200,500.3 (20,500.5	(Appl. 2007, 82) 6 (2004, 83)	(100,000 or) 10,000,00	post 104,040	avecases.	panaes	1420,315.72) pawarin'ny ar	G00 254 W	St. 350	200 667 1908424							
### (#################################		property grants grants	(400 ton, 40) 6 (251 454, 3) 74 401, 40	(september) 12,200,75 (september)	908109,04 9 art 10	homad concerns	(100.00.05 (100.077)	1,9021572 (1,9021671) 20 (1,90216	000 254.8 1820.05	170 201400		a 250.400	4 JE9500 (J.76940)	70 200 Est.	9 2380,0143	a 4 mn exten	4.88(315.00	4 107 Jun 10 p455,025,725
	un prenou	(100,100.3 (20,100.3 (20,100.3 (20,100.3	(ADE 201.40) 6 (255.40).30 7 (24.50).00	(647)00 (46) 10.270,77 (70.400,70) (70.400,70)	(0.04.5)	beneated beneated	possesses gazanto processos	1,000,000,000 1,000,000 1,000,000 1,000,000	000 254,6 16216.01	175 205450 	and the pour	8 250-60 8) (141729	4 10000 0.70000	70 200 Est.	9 2380,0143 0 (1980,014	a amnesses	CMOTHER COLMER	6471070
1784.5	union press du	(100,100.3 (20,100.3 (20,100.3 (20,100.3	(ADE 201.40) 6 (255.40).30 7 (24.50).00	(647)00 (46) 10.270,77 (70.400,70) (70.400,70)	(0.04.5)	beneated beneated	possesses gazanto processos	1,000,000,000 1,000,000 1,000,000 1,000,000	000 254,6 16216.01	175 205450 	and the pour	8 250-60 8) (141729	4 10000 0.70000	70 2200 Ed 1	9 2380,0143 6 (1080,014 0 (408,000,0	a amnesses	CMOTHER COLMER	6471070
##207010 (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##2010) (##	wan preriou	(100,100.3 (20,100.3 (20,100.3 (20,100.3	(ADE 201.40) 6 (255.40).30 7 (24.50).00	(647)00 (46) 10.270,77 (70.400,70) (70.400,70)	(0.04.5)	beneated beneated	possesses gazanto processos	PORT TO SE SE SE SE SE SE SE SE SE SE SE SE SE	COO MAN MATERIA MATERIA (MATERIA MATERIA (MATERIA)	1.70 205.400 0.007 (101.200 0.11 3.300,470	120- 1040004 181 20,000	8 250-60 8) (141729	4 10000 0.70000	70 2200 Ed 1	9 2380,0143 6 (1080,014 0 (408,000,0	a amneator	4.990,200.00 1 (290,400.00 1.450,644,00	#1507000 10 #15020,725 #44710.00 1425,70400
######################################	ruin prerio	(100,100.3 (20,100.3 (20,100.3 (20,100.3	(ADE 201.40) 6 (255.40).30 7 (24.50).00	(SEP)601 (46) 10.270273 (10.260736) 92.466746 (20.27644)	position, cu quart fill rec 504, 504 50 March	beneated beneated	possesses gazanto processos	PORT TO SE SE SE SE SE SE SE SE SE SE SE SE SE	000 2649 1921611 1921620 QDT 7 1920600 4170	tio means and decom	120- 1040004 181 20,000	2500-400 Ep (1,41724 Ep 711756	(1.700 to (1.700 to (2.700 to	2200 Ed	e zamenta 	a amneator	4.990,200.00 1 (290,400.00 1.450,644,00	#1507000 10 #15020,725 #44710.00 1425,70400
#237000 (#24800 (#24800 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#2500 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#25000 (#2500) (#25000 (#2500) (#25000 (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500) (#2500)		(150,700.3 (20,700.3 (20,700.4 d) 00,357.7	(400 000,40) 6 (200 400,40) 7 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 400 6 (400 400 400 6 (400 400 400 6 (400 400 6 (400 400 6 (400 400 400 400 6 (400 400 400 400 400 400 6 (400 400 400 400 400 400 400 6 (400 400 400 400 400 400 400 400 400 40	(MD)00 (M) 10,20,20 10,200,20 10,200,20 (MD)00,20 (MD)00,20	(0.00 00 00 00 00 00 00 00 00 00 00 00 00	processor processor processor processor processor	(0.20277) (0.20277) (0.20277) (0.2020) (0.20277)	PORTS 20 DESCRIPTION OF TRICKS PORTS AND PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADD	000 2048 1820111 1830120 (2017 1830120 (1172 1830120)	1.70 200.400 		2505-400 80 (1.417.9% 20 711.7%	4 JESONO (J. NOJERO SE PRESENT IN SEASON	76 2200 Ed	9 2380,8143 60 (139,000,8 61 (439,000,8 8	a amnantas a angantas	290,400 PC 1,450,644,00 400,300,00	6,000,000 po)405,020,725 (64,750,60) (425,7)4000
PARTOUR LAPACIE PROPER PARTON DE LA CONTRE LA	namakon penerajany Kana	(150,700.3 (20,700.3 (20,700.4 d) 00,357.7	(400 000,40) 6 (200 400,40) 7 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 6 (400 400 400 6 (400 400 400 6 (400 400 400 6 (400 400 6 (400 400 6 (400 400 400 400 6 (400 400 400 400 400 400 6 (400 400 400 400 400 400 400 6 (400 400 400 400 400 400 400 400 400 40	(MD)00 (M) 10,20,20 10,200,20 10,200,20 (MD)00,20 (MD)00,20	(0.00 00 00 00 00 00 00 00 00 00 00 00 00	processor processor processor processor processor	(0.20277) (0.20277) (0.20277) (0.2020) (0.20277)	PORTS 20 DESCRIPTION OF TRICKS PORTS AND PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADD	000 2048 1820111 1830120 (2017 1830120 (1172 1830120)	1.70 200.400 		2505-400 80 (1.417.9% 20 711.7%	4 JESONO (J. NOJERO SE PRESENT IN SEASON	76 2200 Ed	9 2380,8143 60 (139,000,8 61 (439,000,8 8	a amnantas a angantas	290,400 PC 1,450,644,00 400,300,00	6,000,000 po)405,020,725 (64,750,60) (425,7)4000
#237047 (MPACIA MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL MARKAL	Outer with the PERCENT Comp Indiana	(150,700.3 (20,700.3 (20,700.4 d) 00,357.7	(400 000,40) 6 (200 400,40) 7 (400 400,40) 74 500,000 24 1000,40	(MD)00 (M) 10,20,20 10,200,20 10,200,20 (MD)00,20 (MD)00,20	(0.00 00 00 00 00 00 00 00 00 00 00 00 00	processor processor processor processor processor	(0.20277) (0.20277) (0.20277) (0.2020) (0.20277)	PORTS 20 DESCRIPTION OF TRICKS PORTS AND PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ENERGY PORTS AND ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADDRESS OF ADD	000 2048 1820111 1830120 (2017 1830120 (1172 1830120)	1.70 200.400 		2505-400 80 (1.417.9% 20 711.7%	4 JESONO (J. NOJERO SE PRESENT IN SEASON	76 2200 Ed	9 2380,8143 60 (139,000,8 61 (439,000,8 8	a amnantas a angantas	290,400 PC 1,450,644,00 400,300,00	6,000,000 po)405,020,725 (64,750,60) (425,7)4000
TOTAL PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY PARTY	neroden percepany dese	(150,700.3 (20,700.3 (20,700.4 (20,700.3	Control of	CAPANIAN TRANSPORTER STANSPORTER STANSPORTER CARCINATION	post 100,000 p. 201 400 est 504,500 50 406,000 per 504,700 per 504,700 per 504,700	Contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to th	process general process process process	NAME OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY	CON MARK WATER OF A TO WATER O	Lio merio Lio merio Lio della Dil samenti Genote Esti	100 100 420	200 - 200 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 -	G JEDUSE (J. NOJEM BC JEDUSE EC JEDUSE CO ZEROSEA	A STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION OF THE STROMATION	to transmo	0 (3893181)	4.987,319.00 1 GOV,400.00 1.450,640.00 407,309.00	(107)00 10 (405,000,72) (54,710,00) (425,71400)
OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	eneradore percenta a se desen	property process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of t	5 (000 000 000 000 000 000 000 000 000 0	(MP,001-06) 10,000-06) 10,000-06) 10,000-06 (MR,000-06)	post son con post son son son con son son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son	property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property pro	(120.2 H. 72.2	HARDINAZ DESCRIPTO 181799 PARAMETER PER ENETTO 20 1	000 JAN 100 JA	AND DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT		26 2500-600 80 (1-407278 20 211784 245-275 41 2800-200	0 700000 0 700000 0 700000 0 700000	70 200 001	to assessed to a second to a s	0 439921819	4 MIT 319 00 1 450 AND 90 1 450 AND 90 4 107 MID 10	(107,000 to 145,020,72) #45,020,72) #44,710,000 1,425,710,000 7,000,000 45
dictions (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PATRIC) (PA	er d on A. Communico, pEREC Con- line Annicology men discology discology	property process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of t	5 (000 000 000 000 000 000 000 000 000 0	(MP,001-06) 10,000-06) 10,000-06) 10,000-06 (MR,000-06)	post son con post son son son con son son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son	property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property pro	(0.00 A 70	1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 19	000 JAN 000 JAN 0000 JAN 0000 JAN 0000 JAN 0000 JAN 1000 JAN	1.70 200.400 2.00 (100.200 110 3.000.000 (500.000 647 4700.400 647 4700.400	100 100 100 100 100 100 100 100 100 100	26 2500-600 80 (1-407278 20 211784 245-275 41 2800-200	0 700000 0 700000 0 700000 0 700000	70 200 001	to assessed to a second to a s	0 439921819	4 MIT 319 00 1 450 AND 90 1 450 AND 90 4 107 MID 10	(107,000 to 145,020,72) #45,020,72) #44,710,000 1,425,710,000 7,000,000 45
ON PROPERTY OF THE PROPERTY PROPERTY CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT	de servadore, PERCES Grap nadoras	property process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of t	5 (000 000 000 000 000 000 000 000 000 0	(MP,001-06) 10,000-06) 10,000-06) 10,000-06 (MR,000-06)	post son con post son son son con son son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son	property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property pro	(0.00 A 70	1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 19	000 JAN 000 JAN 0000 JAN 0000 JAN 0000 JAN 0000 JAN 1000 JAN	1.70 200.400 2.00 (100.200 110 3.000.000 (500.000 647 4700.400 647 4700.400	100 100 100 100 100 100 100 100 100 100	26 2500-600 80 (1-407278 20 211784 245-275 41 2800-200	0 700000 0 700000 0 700000 0 700000	70 20001.	to assessed to a second to a s	0 439921819	4 MIT 319 00 1 450 AND 90 1 450 AND 90 4 107 MID 10	(107,000 to 145,020,72) #45,020,72) #44,710,000 1,425,710,000 7,000,000 45
AND PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PRODUCT OF THE PR	barawina pikatif Gra mina	property process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of t	5 (000 000 000 000 000 000 000 000 000 0	(MP,001-06) 10,000-06) 10,000-06) 10,000-06 (MR,000-06)	post son con post son son son con son son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son	property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property pro	(0.00 A 70	1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 19	000 JAA 020100 JAA 020100 QAT J 020100 4172 020100 4172 020100 4172 020100 50 JAA 020100	1.70 200.450 2.00 (001.200 011 3.000.610 0.00 000 0.07 2000.450 0.07 1000.450 0.07 2000.450 0.07 2000.450 0.07 2000.450	100 100 100 100 100 100 100 100 100 100	200 400 400 400 400 400 400 400 400 400	49 JEDUSE (1.700 EE (1.700 EE (2.700 EE) (3.700 EE) (4.700 EE) (5.700 EE) (6.700 EE)	70 20001.	to assessed to a second to a s	0 439921819	4 MIT 319 00 1 450 AND 90 1 450 AND 90 4 107 MID 10	(100,000 to 1405,000,000 to 1405,000 to 1
	unau vien, pilitari de primero de la composito	property process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of the process of t	5 (000 000 000 000 000 000 000 000 000 0	(MP,001-06) 10,000-06) 10,000-06) 10,000-06 (MR,000-06)	post son con post son son son con son son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son con post son	property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property property pro	(0.00 A 70	1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 1912 19	000 JAA 020100 JAA 020100 QAT J 020100 4172 020100 4172 020100 4172 020100 50 JAA 020100	1.70 200.450 2.00 (001.200 011 3.000.610 0.00 000 0.07 2000.450 0.07 1000.450 0.07 2000.450 0.07 2000.450 0.07 2000.450	100 100 100 100 100 100 100 100 100 100	200 400 400 400 400 400 400 400 400 400	49 JEDUSE (1.700 EE (1.700 EE (2.700 EE) (3.700 EE) (4.700 EE) (5.700 EE) (6.700 EE)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	e samples in the control in	0 439921819	4 MIT 319 00 1 450 AND 90 1 450 AND 90 4 107 MID 10	# 100/000 10 14/5/00/00 14/5/00/00 47 16/6/00/00 47 16/6/00/00/00/00/00/00/00/00/00/00/00/00/
	anne a den e più Cara de se	(100,000) (20,000) (20,000) (20,000) (20,000) (20,000)	6 (00 20 A) 6 (25 45 A) 7 (25 45 A) 7 (25 45 A) 8 (25 45 A) 8 (25 45 A) 6 (25 45 A) 6 (25 45 A) 7 (25 45 A) 7 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25 45 A) 8 (25	(LOSA) - AS SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF T	post (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	PORANG PARANG MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL MICHAEL	(2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007)	NOVAMENT AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR	000 JAAN WATER OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	0.00 (00.000 0.00) (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.000 0.00 (00.0000 0.00 (00.000 0.00 (00.000 (00.000) 0.000 (00.000)	100 100 400 100 100 100 100 100 100 100	200.400 80 0.40298 20 21179 24579 41 280050 41 280050	4 JEDUCE 0. OCCUPANT PROPERTY PROPERTY 0. OCCUPANT 0.	200 0011	B STREET	0 (1002/16/10) 0 (1002/16/10) 0 (1002/16/10) 0 (1002/16/10)	4 MR 319 CO 1 CO AND TO 1 4 TO AND TO 4 TO AND TO 4 TO AND TO	# 100,000 to p465,000,730 to 4425,70,000 to 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de 7,000,000 de

APPENDIX F: BENCHMARK COMPARISONS

The table below compares the weighted average offsite levy rate in the City to rates in other municipalities.

Municipality / Area	Average Per Ha.
Town of Stony Plain (2007)	\$69,000
Town of Calmar*	\$71,000
City of Lacombe*	\$72,500
Sturgeon County Industrial Park*	\$80,700
Town of Peace River*	\$83,400
City of Spruce Grove*	\$86,497
Red Deer County (Gasline Alley)	\$96,500
Town of Redcliff*	\$109,200
Leduc County* (2009)	\$106,300
Town of Devon*	\$116,200
City of Leduc* (update coming)	\$117,500
Town of High River	\$130,000
City of Cold Lake* (in process)	\$140,530
City of Chestermere* (in process)	\$145,524
Town of Beaumont* (update coming)	\$161,000
City of Red Deer	\$203,300
City of Lethbridge	\$249,000
City of Medicine Hat* (subsidy)	\$250,000
City of Lloydminster* (in process)	\$281,800
City of St. Albert*	\$290,000
City of Edmonton	+\$300,000
City of Calgary (incl rec & stabilization)	+\$350,000

^{*}CORVUS Clients

APPENDIX G: PROJECT DETAILS

The following information was provided by the City. It summarizes the details of all offsite levy projects, source, allocations, etc.

Water¹⁰:

				School Rependit	ues (Up to Dec 2	11, 2010)	-			-	www.Expendianc	(From Jun 1, 2017)		1	
CEL Vapot	Proposit Room / Gross Aphan	Expenditures to Der 31, 2018 (A)	Historical Determine Deleveral (A)	Special tier Derived Greek Revolved (C)	Stor-Leng Contribute Revenue	100	onein / (Pa)	trai-ending (A+B-C-D)*F)- E)	Fedure Constitute Internal (KG	Construction Cost	Contingency 39	Engineering CO	tand 00	Sub-Total (L=H+1-1-L)	Forsi Project Cur Strek-B-O-LJ
COM.	Campate Viscomain Logo (4) 40-171	5 336,802		15 .		. 1	manu is	- 100	1	(P) - 10	- 49				5 120,200
	Conggiaetà Wilmman	5 726,587	5	5	5		718,567 5		1			5 -		5 .	5 106,567
	New Greath Water Festival's CF, DF1801 Matter Man (1994) 1700 to have Contact Mills Festival Mills (New 1994)	5 3,200,634		5 .	5	. 5 .	ZHUM S		\$	5 5,418,967 5 2,300,000	S MILES	5 angean	Y .	\$ 2,709,309	5 1490,000
- 1	Total Wa	5 8394.412			15		241,422 5		4					\$ 2,540,000	\$ 20,100,000
	10				-		Dona/91	ng Farties						D. 100.0000	
O'SL Project P	Prograf Name I Description	Contrato		general Objects Judicipalited (M)	Indepoles	Attending to Exhibit Development (City Share)	County! Other	Albertion to Paters Development (Ortalis Largy (P)	Total Allocation	Developes Con Vis-pa-C-D-to Oy P)			ares of Project, Si	ourse of Entirests, O	rain of Entireste
Anter	Campille Wingrough Lago (45-90-18)	Complete	1 2000	- 2		606	0%	100%	SOUTH OR	5 202.00	1,6%		1	ALC: U	
2	Conggrounds Waterman	Complete		5 5	- 1	9%	0%	100%	100% OK	5 776.50			arter Flan Update		
	New Seconds Water Revenues (LP 1979)	Pro BOX 20		5 5	14.4	DN:	0%	100%	190% 04	5 14,078,38				con from 2005 pro	act tander
1	Water Stics 60mm: 1/80m Inser Century Rd to Parece 86 Jalany Hey 160)	703			1	5%	0%	100%	300% O#	5 2,640,00		11 2015 M	arser Flan Update	V. Taracas	Company .
		el water	200		167.					5 18,723,17	2				

¹⁰ The City's water supply is purchased from the City of Edmonton through the Capital Region Parkland Water Services Commission (CRPWSC). The treated water is distributed by the City to its customers through its waterworks system consisting of water storage reservoirs and pumping facilities, primary feeder mains and distribution mains. The City divides its water network into two zones.

The City's philosophy regarding its waterworks system improvements has been that development is responsible, at their cost, the construction of all new distribution mains up to and including 300 mm diameter in size. Primary feeder mains (water mains larger than 300 mm diameter), treated water storage reservoirs, pumping facilities and water quality monitoring stations, on the other hand, benefit the entire water distribution system and thus, the City has assumed responsibility for their construction. The cost of such facilities is then assessed proportionately against all benefiting lands through a Water Offsite Levy Charge.

Capital improvements to the water supply system are the responsibility of the CRPWSC of which the City of Spruce Grove is a member. The costs of such improvements are assessed proportionately against the City through the Commission's water utility rate structure and hence these costs are not included in the City's Water Offsite Levy Charge.

Sanitary11:

1		1 🗆		H	de nail Reportation in	c (up to dec 31, 3;	inq				visio Reproditates	green.an 1, 9317			
OSL Projec	f Fraguel House / Devisigation		produces to sc 31, 3016 (A)	Minorical Cobestions Interest (M)	Special Cor Mariand Grants Foresteral (C)	Mon-Leny Cord-Studieses Received (42)	Official Lavy Reserve Wilhelmouths / Abocations (E)	Fredering properties ()	Fature Debumbure Internet (CI	Contraction Cost 05	Comingency (E	Engineering (4)	Lord SR	Rest-Total (L-OHINJEL)	Total Project Cool (Medical-Set.)
Speri	THE RESIDENCE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T		25.60	No. of the	20		40. 55500	Section 1		4	-	50°	30	0 01	No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other pa
	When there's a making beyond the enterprise (see a Company to be Street world benefit	1	5,771,990	•	1	1 .	\$ 3,145,900		1	5	3 .		5 .	3	\$ 1,772,050
2	Pioneer Food Trunk Sewer (AZ 55-18-05)	1 5	2,964,966		5 1,361,018	5	1	\$ 1,800,906	3 .	5 .	5	5	1	13	3 2,644,864
4	No over Road Sancton, Server Extension (43-61-03-34)	1	DAURI		4 .	5 .	5 -	5 1,550,561	1	5	5	2	2 -	5	5 1,550,591
4	Noncer Truck Seven Extension OF188	3	2,677,535	5	5	5	15 -	\$ 2,877,630	3	5 753,585	5 79,516	5 29,000	1	\$ 867,630	\$ 2,570,800
	California West Frank Sentem Sewer (42-03-00)	1 15	3.000.001		5	200	\$ 1,358,031	5	18	\$ 1000	5	5	5	5	3 1,352,001
-	Son miny have been	1 3	157.515	5	5	8	\$ 157,010	1 -	3	5 4,254,000	5 675,600	5 (25,400)	4	5 5,000,000	\$ 5,00,000
	riceser Truck Sever Extenden (Welland to ESR)			50 min	S	S	25 6-2000		30	\$ 1,500,000	\$ 150,000			5 1,500,000	3 1,200,000
-	Teidle	- E	17.481.515	1	8 1.36E.000		\$ 4,752,766	5 6,358,589		5 8,567,688	1 101,110	3 101,110	4	5 2,057,100	\$ 20,541,475

Taking advantage of the overall topography of the City, which generally slopes from south to north, the City's existing sanitary sewer systems have been developed as gravity systems. Based on the Sanitary Sewer Master Plan completed for the City by Associated Engineering in 1990, except for a few localized low areas which may require a sewage lift station, the City's sanitary sewerage systems can continue to be developed as gravity systems. The Master Plan also identified four (4) sanitary sewer catchment areas within the present corporate boundaries of the City, namely, East Trunk, Central Trunk, West Trunk and Boundary Trunk Sanitary Sewers.

Sanitary sewer systems typically have a hierarchical classification based primarily upon the size of diameter of pipe and the area they serve. In the case of the sanitary sewer system in the City of Spruce Grove, laterals (locals) are typically 200 mm and 250 mm diameter in size, collectors are 300 mm and 375 mm diameter in size, and trunks are sewer pipe systems greater than 375 mm in diameter. Trunks greater than 375 mm in diameter benefit the entire wastewater distribution system and thus, the cost of such facilities is then assessed proportionately against all benefiting lands through a Sewer Offsite Levy Charge. Development shall be fully responsible for the construction of laterals and collectors for the sanitary sewer system at their entire cost.

¹¹ The sanitary sewerage collection system in the City of Spruce Grove is comprised of a series of [atera] (local), collector and trunk underground conduits intercepting wastewater from the various individual contributors and conveying this wastewater to a point(s) of discharge for treatment and ultimate disposal. The point(s) of discharge for the City sanitary sewerage is the Alberta Capital Region Wastewater Commission (ACRWC) Transmission Line, which conveys the wastewater to the Region Wastewater Treatment Plant, located south east of the City of Fort Saskatchewan, where the sewage is treated to the required standards and the effluent discharges to the North Saskatchewan River. Capital improvements to the Regional Treatment Plant and Transmission Line are the responsibility of the ACRWC of which the City of Spruce Grove is a member, The costs of such capital improvements are assessed proportionately against the City through the Commission's sewage utility rate structure and hence are not included in the City's Sanitary Sewer Offsite Levy calculations. Should ARCWC, at a future date, implement a charge for infrastructure for developing areas, the City will adjust the levy charges accordingly.

City of Spruce Offsite Levy Review

			1000		-	Sarafitt	ing Foreign		-				
OSL Inject	Project Name i Oscolyskin	Construction Study g	Special Grams Antisperad (Ng	Correspond Antidpred (C)	Albertion to Execting Development (City Share)	(Bereilon to County) Other Stakeholder	Allocation to Federal Development (Ottobs Lavy)	Total Allocason		Developer Cost 10=01-C-(1-11- 0(17)	Denething Othera Long America	COL Recover / Account Solunce Dec 31, 2015	Source of Property Researce of Publisheds, Code of Carbodia
Total I	Mars 19, th Sentany Japan (Spree Spice) - Wall Company Note Obstracted Lands F				F2	-	120	1005		A STREET			Carrier State Control of the Control
	France Band Trust Source (42-95 (6-95)			1	200	40.			-	5 3,772,950	4.5		2012 water Plan (gaste-
	Pioneer Road Senters Server Expension Pro-co-ex-city		2	1		99	190%	100%	W.	5 1.800,VOS	10,11		2012 Minuter Plan Undade
	Poster Indiamen Editoria PFIS.	1	2	5	179	gra-	130%	100%	TRE.	\$ 1,550,500	10.11	200	2012 Ivester Plan Lipidate
		2017	3	3	256	90	300%	300%	loc.	5 3,818,900	79,11	\$ (0,200,000)	2017 Master Plan Unfahr
	Composite Wage Transi Sententy Seven (43-69-66)	0.702 01	5	2 .	24	99	100%	200%	LE:	\$ 1,000,000	4		2012 Menter Plan Ubdane
	Boundary Trunk Seesar	2012	5 .	4 -	6.0	ON.	1305.	3009.	los.	5 5,262,636	2.4		2212 Marchy Plan Update, Cold enforable from School Star.
1	Position French Street Entertains (Mrt and in Chill)	3000			96	.0%	100%	200%	los	\$ 1,000,000	1011		200 Marin Planthdate
	Tetals	inti							200	\$ 15,575,457		$\overline{}$	Emmany Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the

Transportation12:

			Ha	corned to per divise	e Mario Dec 11. 30	105				View Repeated to	Proce Ato 1, 2011			
-	Profess Record County for	Expenditures to Dec 21, 2014 SA	Milesual Delegener Second (A)	Special Survival Worked Charaka Special (C)	Nun-Lavy Contributions Speedurd (27)	Difful Long Security With District Misselfers (F)	Front anding property copyri- ty	Pulse Decertare Microsi (2)	Composition Core (94)	Contriguent FE	10	(and (6)	End-Train! (CHIH-I-L)	Terral Pendent Co. (SECO-BHSH-L)
	netering and the second second second second second second second second second second second second second se		100			10750					ate the same			
+	Campaign front Failuring Constr Drive - Constray Send on Completes	5 (20,434) 5 Mi Til		1		1 10,77			2	2	2	2	2	1 171.9
+		3 200.00		1	1			1				5	1	1 2011
	Partie Ognate Computer Stand and Walnut Star Traffic Ognate - Computer Stand and Starte Online	3 100301	5 -					8					1	1 121.26
+			3 -					5	1	1			4	
	Share Shart Intrinsing Military right. Campute to Cantaly	5 5000000	5 -		5 .				-		5		2	3 3,000,00
	Tac biguillation	5 252,000 5 1870,600	5	2	5			5 .	5		5			5 34.19
1	suctory sold middle hydrochaphy	3 1/3074			1				2		2	5	-	5 130189
	Serve or Service Service	1 20170		1				5			2	2	2	1 200.40
2	Ingflic Sgrafo - Jeneffer Hell Way and Insurherms East Intersection							5	3	2	3	5	1	
10	Cornery lined South of Diamond But	1 1,00,00		1 10.90		1 1,007,00		1		5	1	1	1	1 1,000
11	Traille Signals - Highway HM/Century Economy	1 17630			1 1			5	1				1	1 (N.)
17	Contary Send Snow Diversity Survey Sans	1 15-m/m			1			5	8	5 -			1	3 LML0
18	Grave Universal Sedention	3 1,000,166			2			2 .	3 .		5		8	1 1,00,10
14	Fulfic signals - (c) shows on and selections, and (d) some on and representatives.	\$ 590,00	5	2 .	5	5 170218	5	5 .	5	5	2	5 .	2	2 25.42
15	Ponest I.d Grove Or to Historicy SIA with resemble once libration Averson Grove Fis	5 1,395,410	5 4,000	5	5	,	5 (100,000	5 2015,000	5 4,861,843	5 495,104	5 455,104		5 (10220)	1 1028.94
15.	South Industrial Americal - Tempreck Sirker	5 760,710	5	1	5	11	5 765,113	5	5	5	5	5	3	5 700.71
12	Traffic Signals - Grisse Grise and Some Finis	3 361,616	5	1	8	3 117,009	B 120,007	N	1	1 +	1	3	1	1 20142
15	Websites from the Hell Result Comparing for from Walnut Age to small cut the CR suit	\$ 1,000,100	5 (196	3	1 .	S SAMOOR	5 (49.315)	5 510,700	\$	3 +	5	5	1 92	1 1144,10
19	Terrenach Daker 21 MAD - 2000m Senior Maldon Spiler Rel nand	1 +	5	1 -	1	3	1	6	8 810,000	\$ 61,000	8 41,000	5	3 712,000	1 70.00
20	Tomasah Date 1988D - 1920m Front moding to Employ Rd	1 1	5	\$ Ye.	1	3	4 7	5	\$ 4.1/0.000	5 437,000	\$ 45A000	5	1 3.174.000	3 312100
11	Tomarian's Discontitibility - 1800 millions Guidens Scotta Rullis Cardiony 60	4		4	4 .		100	5 .	5 4,990,000	5 496,000	5 400,000		5 3496,000	\$ 3,000,00
10	taxianadi prive (1960) - Bora from Cospen softe Rd west	3	5 -	4	5	4	5	5 .	5 174500	5 17,400	5 10,400	5	5 460,400	3 125.40
W	remarks prive JLAUD - SLODIN from wishing to Compute #d	4 4	5 -	6 .	3 .		5	5 .	5 4,525,000	5 457,580	5 457,500	5 -	5 5,400,000	\$ \$490,00
in	remands other 45AUC - abilitim from Golden Spike Adito Campylor Ad	5	5 -	5	5	5	5	5	5 4880,000	5 400,000	5 485,000	5	5 5,855,000	5 1,86.00
15	Floringer Florat 2: ACC - ACC in your had bloss to CA.	4	5	4	4	4	1	5	5 1700,000	5 173,000	\$ 100,000	5	5 1456,000	5 140400
26	Power Board & A.C After pourh of Play 184.	1			1	1		1	\$ 1729,000	\$ 127,000	\$ 122,000		5 1.456.000	1 189400
77	Property Board & B.E.D., 1470by From 1811 to Design Dr			1		1		1	5 4.329.000	5 417,000	£ 427,000		1 1174,000	1 112400
18	Crancy Seed 20020 1000 re Hay 180 is south inventory	2			1 .			h .	5 3,100,000	9 781 200	b 112,000	5	3 3 78 (800)	1 1.700.00
79	Creinry Sand (LEGO: 1420re Hay IM leavanth boundary	1		4	1 .		1	5	b A,490,000	5 NA.200	\$ 112,000	5	1 1,755,000	3 3,791,00
	Grand Driverball (UADS - 100Gbr. to Flories NA	3		4	4			5	5 Accounts	5 85,000	5 305,000		\$ 1000,000	1 4345,00
11	two-e only west 20400 - 600% to soundary ad	1 1		2			6.5	5	5 1,630,900	5 #11,000	5 100,000		3 1105,000	1 149600
20	Scharlone was 4.402 - 5400 to booden 4d	1	5		5 .			1	5 4,729,800	5 472,000	5 427,000		5 5124,000	5 513400
10	Campoint Specification (200) - (200) in from China south broundary	1						1	5 1985,500				5 4790mm	5 4750.00
4	Carronine Board ALMAD . (Notice from Cities south househop)	1					1		5 1065.000	\$ 700,000			£ 4795,000	1. 179.00
	Colore folia fixed 3 AUS - 1400m property beneating	1					1	1	\$ 4779,500		\$ 427,000		1 110000	1 1/24/00
16	Galaine Solid-Soud-SASCO 1800es broands broandant	11		i		1	1	-	8 4.779.500	\$ (17,000)	1 177,000	-	1 1111,000	1 1,121,00
17	Rear day Read 3.7400 1300m to Pury Hill	3		3	1 .		1	1	1 4 section	5 894,000	1 310,000	5 -	1 140,000	1 1,000,00
11	Tulis touts - Boorday // Majed	3 .		4 .	1				5 200,000	20,000	\$ 20,000		1 10000	3 46500
n		2 1		2	5			5 .	5 300,000	3 30,000	5 20000	5	10000	3 65.00
40	traffic Syriak - May 164 - Between Burchbry & Certaria Harfic Syriak - Campate - Between Grove on Burson of	1 1	5 -		5 .			2	5 300,000	5 30000	5 10,000	5	5 160,000	5 360,00
	TWINCASTOR - CARTOSON - DATAMENT SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHOOL SCHO	1	5					2 :	5 300,000		5 3000		5 95000	5 3000
41		1					1	1	5 300,000				1 93,000	3 9000
42	Traffic Strain - Compoles & Terramek	1					1	12	5 300,000				4 Magno	t 900.00
	Traffic Sarvah - Circles Solite & Dismont	1		1				2	\$ 100,000		5 tame	2	1 142,000	1 960
	Traffe Sgrah. Galden finde & Tamanak	1					1							
	Staffe Sgrade Century & Diamond	1		1	1		7	1	8 300,000	8 80,000	6 10,000		1 180,000	1 tac,00
	Traffic Egrah: Century @ Carmena	3 7 3		4				2	\$ 200,000		1 10,000		1 160,000	\$ 180,00
	had in Equals - Grane Ch. 27 Economics of Bod	5 S. C.		5	2	5 10 806,046	5 4405,702	5	5 100,000	5 30,000 5 (300,004)	5 20000004	5	\$ 100,000	\$ 110,794,00

¹² The City of Spruce Grove maintains a roadway classification system consistent with the definition of arterial, collector and local roads contained in the Transportation Association of Canada's Manual of Geometric Design Standards for Canadian Roads. Local and collector roads within new development areas are constructed by developers, at their cost, in conjunction with the developments. Arterial roadways typically designed as free flowing, with controlled intersection spacing and are considered a benefit to the City at large. Therefore, new developments should contribute their proportionate share of the cost of these arterial roads. Costs associated with the any of the arterial road development within the City of Spruce Grove also include storm water and street light infrastructure.

			170	14.01		Benefülle	ng Parlies		1		0.01	
O'SL Project	Project Name / Decorption	Combacton Raying	Special Grants Autoquated (98)	Curtifications Anthopologi (D)	Allocations for Brighting Development	Albandon to Canada I	Affocation to Public Directories (Ottober	Total Aboutton	ŀ	Developer Cost (Chips-Crons (Chips	Bookersing Offices Long Areas	Season of Project, Source of Schinder, Date of Schinder
振					(City Shore)	Blokehelder	tropi (F)	No contract				
	erioles			1						100		
	Computer Food Twinning	Completed 2005	5 +	5	0%	0%	100%	190%	04	5 137,529	Af	
7	Grone Drive Century Road to Gregolane	Completed 2008	3	3	9%	091	100%	1906	- Ce	5 56,731	All	
4	In after Agreek - Computer Read and Michael Ave Braffic Signals - Computer Read and Grove Drive	Completed 2006	5	5	ON.	0%	100%	1004	G.C.	5 101,041	14	
	Grose Drive Terinology Wildering - Campains to Cantury	Completed 2006/07	5		99	0%	100%	100%	Oc.	5 5438,589	- 44	12
	Til Completion	Completed 2008	5		98	0%	100%	1006	-Cos	5 262,157	All	-
	Erolog Raid Wilering Lauberprig	Designation (1909) (190	2	4	0%	104	100%	1004	Ge .	5 1277296	44	
	brow Divo s 20/WHI	Languaged Associate	5 .	5 -	gra	UNA	100'8	1004	-	5 (143,00)	14	
	Institutional reproduction and the second resortions of the intersection	Completed 30x0	5		96	0%	100%	1004	Ge.	5 200,000	M	
10	Carry r Food South of Clamond Ave.	Completed 2011	5		96	0%	100%	100N	Toe .	5 1,302,352		15
11	Traffic Serveb - Highway 164/Contany Creating	Completed 2011	5		0%	0%	100%	190%	64	5 375,602	All	3
	Creating Read (Braye Brigg Intersection	Completed 2015	1	1	9%	0%	100%	190M	Oc.	5 1,545,795	48	
	Strong Object Add Enterpoint	Consisted (004/00	6	4	99.	194	100%	3304	ine .	5 1,444,184	- 44	
14	Firsffic Signals - (1) Grove for and Greymone, and (3) Grove for and warver; fidge	Completed 2018	5	4 .	G/A	0%	100%	10004	Q4	5 270,710	//	Programme and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
15	Printers Rd - Grove the to Highway that with round about at Michael Ann and Grove the	Prior NOS JOSY MER	5	8	ora.	ou.	100%	1924	ac	5 15,176,601	18	2012 Marter Flan update/hancsonal Flan, cost from Julis proje lander
16	Surfainted Adout Language Boye	Excepted of 2019/18	4	4	0%	194	100%	1300	ne .	5 760,730	AA .	****
	traffic legisk - topye (bow and their Ret).	Enrypted 2014/76	6	4	CVA.	tře.	100%	1300	ce .	5 761.906	14	
	Widening Jennifer Hell Road/Campride Rd from Microsof Ave to south of the Chinal	Completed 2015/96	5 .	5 -	9%	0/4	100%	10014	Qe .	5 2,546,569	//	
14	Tamaradi Drive 26AUD - 200m Form Galden Saite Raileont	2008	5 +	6 -	G/A	014	100%	1004	ge .	\$ 742,000	14	2017 Fransportings Media: Plan. 2017 Law (MAN, 19-Test)
- 20	Tamarad: Drive 25,600 - 3400m from existing to Gentury Rd	2009	5 .	5 .	9%	0%	100%	100%	Oc.	\$ \$134,000	/A	2012 Transportation Master Plant 2017 Levy review (46-Terra)
21	Temerack Drive 4LAUD - 1000m from Golden Solve Rd to Century Rd	2040	5 .	5 -	0%	054	100%	100%	06	5 5,855,000	M	2012 Transportation Master Plant 2017 Lavy review (44-Terrs)
22	Temerack Drive 2LAUD - 20m from Golden Spike Fd west	2024	5	5	9%	0%	100%	190%	90	5 323,400	AT:	2012 Transportation Marker Plan. 2017 Lawy review (46-Terra)
23	Tamorack Drive 2000 - 1900s how catalog, in Compute 8d	2004	5	5 .	0%	664	100%	10060	os.	5 5,450,000	AR .	2012 Everaportation Moster Plan, 2017 Long revent (%-Texa)
74	Lamanack Brook (LASE) - SMCGra from Guilden Spiler Ad to Compater Ad	2044	5	5	0%	094	100%	1974	oc.	5 5,006,000	AA .	2012 Franspolishes Medici Plan, 2017 Long review (R. Lena)
	Pronter hoad Junior - 400m couts of Hwy Six.	2022	5	4 -	G/A	004	100%	100%	ue	\$ 3,464,000	All:	3013 Transportation Matter Plain, 5013 Levy review pro-Terrary
	Pioneer Road 4,AUD - 400m south of Hwy UGA	2042	5 6	5 -	0%	0%	100%	100%	9.0	5 £464,000	M.	2012 Trereportation Master Plant 2017 Lavy review (46-Terre)
	Pleaser Road 4,810. 1600rs Hey 18A to Grave Gr	2090	5.	5	0%	0%	100%	100%	06	5 5,124,000	AR .	2012 Transportation Master Plan, 2017 Lawy rowce (46-Terra).
	Century Read 200001 - 20000 Hery Set to south beneating	2008	5	3	ON.	694	100%	100%	ac.	5 5,784,000	AA .	2012 Fransportation Moder Plan. 2017 Ling revew (S. Leon)
	Lentury Rand (LASE) - 2000 in Hay 16A to south boundary	2000		5	9%	004	100%	1004	136	5 8,788,000	//	2012 Transportation Mainter Plan, Stiff Levy review (% Testin)
	Grove Orive Cast 4LAGD - 1000an to Pioneer Rd	2021	5		Q'S	014	100%	330%	O.C.	5 4,660,000	All	30n3 Transportation Matter Plan; 20n7 Lety review (40-Terrs)
34	Grove Drive West 2LAUD - 500m to Soundary Rd	2000	5		O's	0%	100%	100%	04	5 2,195,000	A	3012 Transportation Master Plant 2017 Lavy review (M-Terre)
32	Grove Drive West 4LAUD - 1400m to Boundary Rd	2095	5	5	0%	0%	150%	100%	06	5 5,134,000	All	2012 Trereportation Mester Plan. 2017 Lavy review (44-Terre)
23	Comparis Reput 21AUD - 1900m from Chite seath beamdury Comparis Foral 41AUD - 1900m from Chite seath beamstry	3091	3	3	0%	0% (%	100%	100% 100%	O.C.	5 4758,000	- AA	2012 Tromportalism Marker Plan. 2017 Levy review (44-Terra)
	Sedion take Knot 2000 1000 to took boarday	700	3	3	ON.	CH CH	100%	1000	ne .	5 5125,000	44	2017 Frompotines Medin Ples, 2017 Line review (St. Fersi) 2012 Francostones Medin Ples, 2017 Line review (M. Fersi)
	Golden ig its Kond (LADD) - 1400m to south boundary	400	3 .	*	978	694	100%	200%	ue .	5 5121000	14	2012 Transportation Market Plan (2012) Lead review (14-1-14)
37	Boundary Road 2LAUD - 1200m to Nov15A	2000	5 -		0%	050	100%	300% 300%	-uc	5 4352,000	All	2012 Transportation Master Plan, 2017 Levy review (4-Terra)
38	Profits Sameb - Boundary & McLoud	2040			ONE	060	100%	200%	loc.	5 360,000	All	2012 Tromportation Market Plan, 2011 Lawy review (44-Total)
- 33	Paul in Vignali. How 168. Indiana Biometery in Composite	2000	1		0%	196	100%	1994	lac.	5 980,000	40	2017 Evergendelium Market Plan, 2011 Long review (M. Preud)
	Profix Agrait - Computer Laborers Brown III & Hury III	7071	1	4	DV.	014	1073	2000	luc.	3 190,000	64	2017 Framportungs Made: Plan, 2017 Levy (even JR.) eving
	Fraffic signals - Caraptor () Warnord	0.09		6 -	974	854	100%	1000	ue	5 /60000	M	3012 Transportation matter Plant SU11 Less review (14-Texts)
	Traffic Signals - Campains & Turnareck	2000	5 .		0%	6%	100%	100%	Oc.	5 360,000	NI.	3012 Transpotation Master Plant 2011 Lety testes (Al-Terre)
43	Traffic Stenab - Golden Solles /P Dismond	2023	5 .		0%	0%	100%	300%	loc .	5 300,000	Al:	2012 Tremscortation Meater Plant 2011 Lenv review (44-Terral
44	Freille Stands - Golden Seille & Turnerack	7020	5	5	0%	0%	190%	200%	loc	5 360,000	Al	2012 Tremovdation Moster Plan, 2011 Low rodes (Al-Torre)
45	Breille Ngoch. Devloy & Brimand	7074	15	1	000	DA:	1996	200	ne	5 380,000	All	2012 Transmissions Montes Plan, 2011 Long sinery (McCons)
	frolle Squak - Lentury & Facustick	ites	3 -	8 -	104	176	100%	10000	ne	5 HAUDED	24	2017 Transportation Stantis May, 2011 Long street (Milliosof)
	traffic Signals - Grove Dr. (F. Groenbury Wed)	2621	4 -	5	014	C14	100%	200%	uc	5 360,000	Al	2012 Francischeton Mader Mari, 2011 Long House (18 Fortal)
	Total Transport	olan.	5 -		_		-	-	1/2/17	5 119,552,147		