



**SUMMARY OF FIVE YEAR CAPITAL &
EXTRA-ORDINARY EXPENDITURES
Paramedic Services**

PROJECT	2015 Approved Budget	2016-2020 Five Year Capital & Extra-Ordinary Expenditures					TOTAL
		2016	2017	2018	2019	2020	
Debenture Payment - Craigleith Base							
Debenture Payment	57,788	57,787					57,787
Ambulance Replacement	498,030	332,020	507,991	345,434	352,342	359,389	1,897,176
From Reserve - From EMS Reserve	(483,030)	(322,020)	(492,991)	(335,434)	(342,342)	(349,389)	(1,842,176)
Other (Specify) - Proceeds from Disposal	(15,000)	(10,000)	(15,000)	(10,000)	(10,000)	(10,000)	(55,000)
Stretchers	32,504	38,398	59,326	40,737	41,959	43,218	223,638
From Reserve - From EMS Reserve	(32,504)	(38,398)	(59,326)	(40,737)	(41,959)	(43,218)	(223,638)
Cardiac Monitor/Defibrillators		583,200					583,200
From Reserve - From EMS Reserve		(529,200)					(529,200)
Other (Specify) - Proceeds from Disposal		(54,000)					(54,000)
Stair Chair - Patient Conveyance Equipment		51,000					51,000
From Reserve - From EMS Reserve		(51,000)					(51,000)
Construction of Paramedic Service Base - Chatsworth		40,000	440,000				480,000
Debenture		(40,000)	(440,000)				(480,000)
Debenture Payment			39,456	39,456	39,456	39,456	157,824
Tablet Computers			139,125				139,125
From Reserve - From EMS Reserve			(139,125)				(139,125)
Emergency Response Unit Replacement				73,332	74,799		148,131
From Reserve - From EMS Reserve				(71,332)	(72,799)		(144,131)
Other (Specify) - Proceeds from Disposal				(2,000)	(2,000)		(4,000)
Transfer to/from Reserve (BCA) EMS Station Capital Repairs			18,331	20,331	22,331	24,331	85,324
Transfer to Reserves (Vehicle and Equipment Replacement)							
To Reserve - Transfer To EMS Reserve	506,000	518,650	531,616	544,906	558,528	572,491	2,726,191

PROJECT	2015 Approved Budget	2016-2020 Five Year Capital & Extra-Ordinary Expenditures					
		2016	2017	2018	2019	2020	TOTAL
NET LEVY REQUIREMENTS	563,788	576,437	589,403	604,693	620,315	636,278	3,027,126

1. **Department / Function: Paramedic Services**

Details of Project/Study: **Debenture Payment - Craigleith Base**

2. **Total Gross Cost of Proposed Capital Project/Study: \$288,935**

Construction	Consultant/Contractor	Equipment	Other (Specify)
			\$288,935

Debenture Payment of \$57,787 per year (5 year term commencing in 2012, 2.5% per annum, internally financed)

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$57,787	\$0	\$0	\$0	\$0	\$57,787
Net	\$57,787	\$0	\$0	\$0	\$0	\$57,787

3. **Estimated Useful Life:**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality
Craigleith	The Blue Mountains

5. **Need or Benefit(s) of Project (including safety issues):**

Debenture payment to fund build of Craigleith base

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan: 692,000**

	2015	2016	2017	2018	2019	Total
Gross	\$57,787	\$57,787	\$0	\$0	\$0	\$115,574
Net	\$57,787	\$57,787	\$0	\$0	\$0	\$115,574

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Debenture payment to fund build of Craigleith base

8. **Identify Sources and Amounts of Funding**

	Debenture Payment
2016	\$57,787
2017	\$0
2018	\$0
2019	\$0
2020	\$0
Total	\$57,787

9. **Compliance with Council objective/strategic plan (if applicable):**

10. **Ongoing Financial/Staffing/Legal/IT Implications (if applicable):**

The debenture is self-financed over a period of five years with repayment beginning in 2012. The annual debenture payment totals \$57,787 with an interest rate of 2.5%.

1. **Department / Function: Paramedic Services**

Details of Project/Study: Ambulance Replacement

2. **Total Gross Cost of Proposed Capital Project/Study: \$1,897,176**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$1,897,176	

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$332,020	\$507,991	\$345,434	\$352,342	\$359,389	\$1,897,176
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. **Estimated Useful Life: 6 years**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

Based on 6 year replacement cycle. Ambulances traditionally have in excess of 275,000 kilometers when decommissioned. Excessive repair and maintenance costs are associated with ambulances in excess of 6 years service life.

2 ambulances to be replaced in 2016, 3 ambulances to be replaced in 2017, 2 ambulances to be replaced in 2018, 2 ambulances to be replaced in 2019, 2 ambulances to be replaced in 2020

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$498,030	\$338,661	\$518,151	\$352,342	\$539,084	\$2,246,268
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Ambulances used in the provision of Emergency Medical Services experience significant wear and tear due to the nature of the work. Attempting to extend the life of the ambulance beyond the 6 year replacement cycle will result in excessive repair costs and increase the risk of vehicle failure during an emergency call.

8. **Identify Sources and Amounts of Funding**

	From Reserve - From EMS Reserve	Other (Specify) - Proceeds from Disposal
2016	\$322,020	\$10,000
2017	\$492,991	\$15,000
2018	\$335,434	\$10,000
2019	\$342,342	\$10,000
2020	\$349,389	\$10,000
Total	\$1,842,176	\$55,000

9. Compliance with Council objective/strategic plan (if applicable):

N/A

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - ongoing contribution to reserve funds required to ensure that stable funding model is maintained. 2019 ambulance replacement reduced from 3 ambulances to 2 ambulances as a direct result of altering the deployment model. The additional 12 hours/day of upstaffing in Craigleith allows for the reduction of 1 ambulance from the fleet. All new ambulances will be outfitted with the "Power Load" system similar to the bariatric unit purchased in 2012.

1. **Department / Function: Paramedic Services**

Details of Project/Study: Stretchers

2. **Total Gross Cost of Proposed Capital Project/Study: \$223,638**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$223,638	

Stretchers are replaced based upon a 10 year lifecycle - \$223,638

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$38,398	\$59,326	\$40,737	\$41,959	\$43,218	\$223,638
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. **Estimated Useful Life: 10 years**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

Stretchers used in provision of emergency medical services need to be replaced to ensure that mechanical breakdown is minimized and patient safety is ensured. Stretchers have a useful life cycle of 10 years. Scheduled maintenance helps to keep stretchers in a functional capacity during their life cycle. Introduction of power aided stretchers began in 2011 and will be the norm for future purchases. Stretcher purchases will match the number of ambulances purchased by year as follows:

2015 - 2 stretchers 2016 - 2 stretchers 2017 - 3 stretchers 2018 - 2 stretchers 2019 - 2 stretchers 2020 - 2 stretchers

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$48,756	\$33,154	\$50,726	\$34,494	\$52,775	\$219,905
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Stretcher breakdown or failure could pose risk to patient being transported and well as liability risk to County would be increased.

8. **Identify Sources and Amounts of Funding**

	From Reserve - From EMS Reserve
2016	\$38,398
2017	\$59,326
2018	\$40,737
2019	\$41,959
2020	\$43,218
Total	\$223,638

9. Compliance with Council objective/strategic plan (if applicable):

N/A

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - ongoing contribution to reserve funds required to ensure that stable funding model is maintained. All future stretcher purchased are "Power Load Ready". 3% inflation factor calculated on future year purchases.

1. **Department / Function: Paramedic Services**

Details of Project/Study: **Cardiac Monitor/Defibrillators**

2. **Total Gross Cost of Proposed Capital Project/Study: \$583,200**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$583,200	

Replacement of 18 defibrillators in 2016

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$583,200	\$0	\$0	\$0	\$0	\$583,200
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. **Estimated Useful Life: 7 years**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

Cardiac Monitor/Defibrillators are utilized in the provision of patient care obtaining and recording patient vital signs, ECG, carbon monoxide levels, oxygen saturation levels and 12 lead ECG. The devices are also used to provide defibrillation to patients presenting with cardiac arrest.

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:** next scheduled replacement is not until 2016

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$619,200	\$0	\$0	\$0	\$619,200
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Devices are utilized on all patients requiring emergency medical care as well as for monitoring patients on inter-facility emergency transfers. Daily use in the prehospital setting results in significant wear and tear requiring replacement based on a seven year life cycle.

8. **Identify Sources and Amounts of Funding**

	From Reserve - From EMS Reserve	Other (Specify) - Proceeds from Disposal
2016	\$529,200	\$54,000
2017	\$0	\$0
2018	\$0	\$0
2019	\$0	\$0
2020	\$0	\$0
Total	\$529,200	\$54,000

9. Compliance with Council objective/strategic plan (if applicable):

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - ongoing contribution to reserve funds required to ensure that stable funding model is maintained.

1. **Department / Function: Paramedic Services**

Details of Project/Study: **Stair Chair - Patient Conveyance
Equipment**

2. **Total Gross Cost of Proposed Capital Project/Study: \$51,000**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$51,000	

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$51,000	\$0	\$0	\$0	\$0	\$51,000
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. **Estimated Useful Life: 10 years**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

A stair chair is utilized in the provision of emergency and non emergency patient care duties specifically for the moving of patients up and down staircases. Each ambulance carries a stair chair with an anticipated replacement cost of approximately \$3,000/unit in 2016. There are currently 17 stair chairs in the EMS fleet. Original purchase of the stair chairs occurred in 2006 with the scheduled replacement to occur in 2016.

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$51,000	\$0	\$0	\$0	\$51,000
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Equipment failure could jeopardize patient safety.

8. **Identify Sources and Amounts of Funding**

	From Reserve - From EMS Reserve
2016	\$51,000
2017	\$0
2018	\$0
2019	\$0
2020	\$0
Total	\$51,000

9. Compliance with Council objective/strategic plan (if applicable):

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - new contribution to the reserve fund. Purchase of stair chairs in 2006 was funded from County levy.

1. Department / Function: **Paramedic Services**

Details of Project/Study: **Construction of Paramedic Service Base - Chatsworth**

2. Total Gross Cost of Proposed Capital Project/Study: \$480,000

Construction	Consultant/Contractor	Equipment	Other (Specify)
\$480,000			

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$40,000	\$479,456	\$39,456	\$39,456	\$39,456	\$637,824
Net	\$0	\$39,456	\$39,456	\$39,456	\$39,456	\$157,824

3. Estimated Useful Life:

4. Location of Project/Study (if applicable):

Facility Name / Address	Municipality

5. Need or Benefit(s) of Project (including safety issues):

The building of a new paramedic services base in the Chatsworth service area will allow for the placement of a permanent ambulance stationed directly in the response area. The ambulance base will be located at the County operated Chatsworth Depot. A two bay depot will allow for the storage of a spare ambulance both operationally and when ambulances are being serviced at the Depot.

6. Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$40,000	\$468,652	\$28,652	\$28,652	\$565,956
Net	\$0	\$0	\$28,652	\$28,652	\$28,652	\$85,956

7. Consequences/Implications of Not Undertaking Project (including alternatives):

Response time in the Chatsworth and surrounding areas of Meaford and Georgian Bluffs will be greatly improved with the operationalization of the new base. Paramedic response to the area currently comes from Owen Sound and Markdale.

8. Identify Sources and Amounts of Funding

	Debenture	Debenture Payment
2016	\$40,000	\$0
2017	\$440,000	\$39,456
2018	\$0	\$39,456
2019	\$0	\$39,456
2020	\$0	\$39,456
Total	\$480,000	\$157,824

9. Compliance with Council objective/strategic plan (if applicable):

N/A

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Once operational, the base will require ongoing utility costs and will need to have a BCA completed for long term capital replacement costs.



**CORPORATION OF THE COUNTY OF GREY
2016-2020 CAPITAL PROJECT FORM**

1. **Department / Function: Paramedic Services**
Details of Project/Study: Tablet Computers

2. **Total Gross Cost of Proposed Capital Project/Study: \$139,125**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$139,125	

Tablet computer refresh for ambulances (2017) - 5 year lifecycle replacement schedule

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$0	\$139,125	\$0	\$0	\$0	\$139,125
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. **Estimated Useful Life: 5 years**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

Computer replacement based on 5 year life cycle due to full 5 year warranty coverage for the 2012 purchase of new tablets. Tablet computers are of a "rugged" nature for use in external environments for the completion of ambulance call reports, digital mapping, completion of daily vehicle checks and for providing general information in an electronic format.

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$0	\$139,125	\$0	\$0	\$139,125
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Poor performance and increased maintenance costs are shown for computers utilized in excess of a 5 year service life. Ambulance call reports are required to be completed as soon as the call is completed thus requiring fully functional computers. The computers also provide digital mapping with GPS capabilities for paramedic response to emergency calls and transportation to hospital. Failure of the computers could pose risk during emergency responses as a result of loss of digital mapping.

8. **Identify Sources and Amounts of Funding**

	From Reserve - From EMS Reserve
2016	\$0
2017	\$139,125
2018	\$0
2019	\$0
2020	\$0
Total	\$139,125

9. Compliance with Council objective/strategic plan (if applicable):

N/A

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - ongoing contribution to reserve funds required to ensure that stable funding model is maintained.



**CORPORATION OF THE COUNTY OF GREY
2016-2020 CAPITAL PROJECT FORM**

1. Department / Function: Paramedic Services

Details of Project/Study: Emergency Response Unit Replacement

2. Total Gross Cost of Proposed Capital Project/Study: \$141,232

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$141,232	

Replacement of one duty supervisor's vehicle in 2018 and 2019.

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$0	\$0	\$73,332	\$74,799	\$0	\$148,131
Net	\$0	\$0	\$0	\$0	\$0	\$0

3. Estimated Useful Life: 5 years

4. Location of Project/Study (if applicable):

Facility Name / Address	Municipality

5. Need or Benefit(s) of Project (including safety issues):

Supervisor vehicles are replaced on a 5 year cycle. Vehicle is used by Duty Supervisor in daily operations throughout County. Also used to respond to emergency medical calls as first response unit. Vehicle also used to transport Incident Response Unit to scene of large scale incidents as well at public displays, etc. Currently there are 2 ERUs in the fleet. 1 ERU replaced in 2014 at a cost of \$67,900 was fully funded from reserves and proceeds from disposal of trade-in and 1 ERU scheduled for replacement in 2018 with \$73,332 fully funded from reserves and proceeds from disposal of trade-in.

6. Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$0	\$0	\$73,332	\$74,799	\$148,131
Net	\$0	\$0	\$0	\$0	\$0	\$0

7. Consequences/Implications of Not Undertaking Project (including alternatives):

Risk of vehicle failure increases as vehicle ages. Vehicle travels throughout County using emergency warning systems and must be capable of safe response in all conditions.

8. Identify Sources and Amounts of Funding

	From Reserve - From EMS Reserve	Other (Specify) - Proceeds from Disposal
2016	\$0	\$0
2017	\$0	\$0
2018	\$71,332	\$2,000
2019	\$72,799	\$2,000
2020	\$0	\$0
Total	\$144,131	\$4,000

9. Compliance with Council objective/strategic plan (if applicable):

N/A

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Financial - ongoing contribution to reserve funds required to ensure that stable funding model is maintained.

1. **Department / Function: Paramedic Services**

**Details of Project/Study: Transfer to/from Reserve (BCA) EMS
Station Capital Repairs**

2. **Total Gross Cost of Proposed Capital Project/Study: \$85,324**

Construction	Consultant/Contractor	Equipment	Other (Specify)
			\$85,324

Transfer to Reserve to fund future capital repairs based upon Building Condition Assessment (BCA) for the Owen Sound base and estimated future needs for the Craigeith base.

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$0	\$18,331	\$20,331	\$22,331	\$24,331	\$85,324
Net	\$0	\$18,331	\$20,331	\$22,331	\$24,331	\$85,324

3. **Estimated Useful Life:**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

The County currently owns 2 EMS based located in Owen Sound and The Blue Mountains. A Building Condition Assessment (BCA) report was completed in 2011 for the Owen Sound base. The Blue Mountains base will be assessed during the next round of BCA anticipated to occur in 2016. The BCA completed for the Owen Sound base identified capital replacement costs for both large and smaller projects between 2012 and 2031. The most significant capital expenditures do not occur until 2023 when flat roof work will need to be completed. There are also a number of other significant capital costs that are scheduled beyond 2023.

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$0	\$29,135	\$29,135	\$29,135	\$87,405
Net	\$0	\$0	\$29,135	\$29,135	\$29,135	\$87,405

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

As with all capital assets, building and their components have a useful lifespan and will need to be replaced or upgraded periodically. The inclusion of capital funding reserves will help to eliminate significant one-time funding requirements as they occur.

8. **Identify Sources and Amounts of Funding**

	Taxation
2016	\$0
2017	\$18,331
2018	\$20,331
2019	\$22,331
2020	\$24,331
Total	\$85,324

9. Compliance with Council objective/strategic plan (if applicable):

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

Repayment of the self-financed debenture for the build of the Craigleith Station will be complete in 2016; the annual debenture payment totals \$57,787 and a portion of these funds will be available in 2017 (\$18,331) for a building capital repair reserve with the remaining amount used to fund a debenture payment to build a station at the Chatsworth Transportation Depot. The recommended transfer to reserve increases by \$2,000 each year in order to provide adequate funding; the building condition assessments will be updated in 2016 and this will capture Craigleith which was built after the previous building condition assessment.

1. **Department / Function: Paramedic Services**

Details of Project/Study: **Transfer to Reserves (Vehicle and Equipment Replacement)**

2. **Total Gross Cost of Proposed Capital Project/Study: \$2,726,191**

Construction	Consultant/Contractor	Equipment	Other (Specify)
			\$2,726,191

Annual transfer to reserve of \$506,000 in 2015 with annual 2.5% increase thereafter

Cost of Proposed Capital Project/Study in 2016-2020 Program:

	2016	2017	2018	2019	2020	Total
Gross	\$518,650	\$531,616	\$544,906	\$558,528	\$572,491	\$2,726,191
Net	\$518,650	\$531,616	\$544,906	\$558,528	\$572,491	\$2,726,191

3. **Estimated Useful Life:**

4. **Location of Project/Study (if applicable):**

Facility Name / Address	Municipality

5. **Need or Benefit(s) of Project (including safety issues):**

Annual contributions to the capital reserve fund stabilizes long term funding of equipment utilized in the operation of the ambulance service. Funding contributions are earmarked for ambulances, emergency response units, incident response unit, cardiac monitor defibrillators, tablet computers, stretchers and stair chairs.

6. **Scheduling and Cost of Project/Study in 2015-2019 Capital Plan:**

	2015	2016	2017	2018	2019	Total
Gross	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$2,530,000
Net	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$2,530,000

7. **Consequences/Implications of Not Undertaking Project (including alternatives):**

Inadequate contributions to the equipment reserve fund will cause spikes in different budget years placing a heavy burden on the tax levy. Equipment utilized in the ambulance service is replaced on different life cycles ranging from 5 to 10 years.

8. **Identify Sources and Amounts of Funding**

	To Reserve - Transfer To EMS Reserve
2016	\$518,650
2017	\$531,616
2018	\$544,906
2019	\$558,528
2020	\$572,491
Total	\$2,726,191

9. Compliance with Council objective/strategic plan (if applicable):

10. Ongoing Financial/Staffing/Legal/IT Implications (if applicable):

	number	unit	less	Funds	life
Tablet PC					
2016	0	0	0	0	5
2017	21	6,625	0	139,125	5
2018	0	0	0	0	5
2019	0	0	0	0	5
2020	0	0	0	0	5
2021	0	0	0	0	5
2022	21	7,315	0	153,615	5
2023	0	0	0	0	5
2024	0	0	0	0	5
2025	0	0	0	0	5
Funds required to pay for vehicles and equipment					

2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	139,125								
						153,615			
940,619	691,441	447,503	457,100	452,207	601,637	563,373	704,718	506,033	436,896

Assuming there is no interest earned on Reserve funds then we would need to set aside each year this amount to adequately fund the replacement of the 15 ambulances and equipment, assuming inflationary increases of 2% per annum for vehicles.

The replacement cost of defibrillators assumes that a trade-in value of \$3,000 per unit will be received. We will have to continue to validate this assumption yearly to ensure that we are adequately funding the next scheduled defibrillator purchase in 2023.

SUMMARY OF FUNDING TAKEN FROM PAGE 3 WHICH USES THE ABOVE COST AND LIFE CYCLE

Annual Funding needed to replace Ambulances					
396,174	403,155	413,837	421,100	428,509	incomplete funding scenario for these years
Annual Funding needed to replace ERU and Trailer					
34,786	34,786	34,786	35,880	36,995	incomplete funding scenario for these years
Annual Funding needed to replace Defibrillators					
75,600	107,943	107,943	107,943	107,943	incomplete funding scenario for these years
Annual Funding needed to replace Stair Chairs					
5,100	7,550	7,550	7,550	7,550	incomplete funding scenario for these years
Annual Funding needed to replace Stretchers					
50,584	46,744	40,812	36,738	32,542	incomplete funding scenario
Annual Funding needed to replace Tablet PCs					
27,825	27,825	30,723	30,723	30,723	incomplete funding scenario
590,069	628,004	635,651	639,934	644,262	

Total Annual County Funding Required to budget for replacements

For the above replacement plan to be funded adequately there must be an existing Replacement Reserve Fund Balance as at Dec 31, 2015 of \$1,809,755

Ambulances

Year	Cost per unit @ 2%	x num units	County needs	Res Bal 2015 s/b	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
2016	161,010	2	322,020	268,350	53,670									
2017	164,330	3	492,991	328,661	82,165	82,165								
2018	167,717	2	335,434	167,717	55,906	55,906	55,906							
2019	171,171	2	342,342	114,114	57,057	57,057	57,057	57,057						
2020	174,695	2	349,389	58,232	58,232	58,232	58,232	58,232	58,232					
2021	178,289	3	534,866	0	89,144	89,144	89,144	89,144	89,144	89,144				
2022	181,954	2	363,909	0		60,651	60,651	60,651	60,651	60,651	60,651			
2023	185,693	3	557,080	0			92,847	92,847	92,847	92,847	92,847	92,847		
2024	189,507	2	379,015	0				63,169	63,169	63,169	63,169	63,169	63,169	
2025	193,397	2	386,795	0					64,466	64,466	64,466	64,466	64,466	64,466
Ambulance Replacements				937,073	396,174	403,155	413,837	421,100	428,509	incomplete from this point on				

2 ERU and 1 Trailer Replacement as follows:

2016														
2017														
2018	71,332	1 ERU	71,332	28,533	14,266	14,266	14,266							
2019	72,799	1 ERU	72,799	14,560	14,560	14,560	14,560	14,560						
2020	59,600	1 trailer	59,600	29,800	5,960	5,960	5,960	5,960	5,960					
2021														
2022														
2023	78,800	1 ERU	78,800					15,360	15,360	15,360	15,360	15,360		
2024	78,376	1 ERU	78,376						15,675	15,675	15,675	15,675	15,675	15,675
ERU and Trailer Replacements				72,893	34,786	34,786	34,786	35,880	36,995	31,035	31,035	31,035	31,035	15,675

Defibrillators

2016	29,400	18	529,200	453,600	75,600	107,943	107,943	107,943	107,943	107,943	107,943	107,943	107,943
------	--------	----	---------	---------	--------	---------	---------	---------	---------	---------	---------	---------	---------

Stair Chairs

2016	3,000	17	51,000	45,900	5,100	7,550	7,550	7,550	7,550	7,550	7,550	7,550	7,550	2 more years
------	-------	----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------------

Stretchers

2016	19,199	2	38,398	34,559	3,840									
2017	19,775	3	59,326	47,460	5,933	5,933								
2018	20,368	2	40,737	28,516	4,074	4,074	4,074							
2019	20,979	2	41,959	25,175	4,196	4,196	4,196	4,196						
2020	21,609	2	43,218	21,609	4,322	4,322	4,322	4,322	4,322					
2021	22,257	3	66,771	26,709	6,677	6,677	6,677	6,677	6,677	6,677				
2022	22,925	2	45,850	13,755	4,585	4,585	4,585	4,585	4,585	4,585	4,585			
2023	23,613	3	70,838	14,168	7,084	7,084	7,084	7,084	7,084	7,084	7,084	7,084		
2024	24,321	2	48,642	4,864	4,864	4,864	4,864	4,864	4,864	4,864	4,864	4,864	4,864	
2025	25,051	2	50,101	0	5,010	5,010	5,010	5,010	5,010	5,010	5,010	5,010	5,010	5,010
2026	25,802	2	51,604	0										
2027	26,576	3	79,729	0										
2028	27,373	2	54,747	0										
2029	28,195	3	84,584	0										
Stretcher Replacements				216,814	50,584	46,744	40,812	36,738	32,542	28,220	incomplete from this point			

Ambulances

Year	Cost per unit @ 2%	x num units	County needs	Res Bal 2015 s/b	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Tablet PC														
2016	0	0	0											
2017	6,625	21	139,125	83,475	27,825	27,825								
2018	0	0	0											
2019	0	0	0											
2020	0	0	0											
2021	0	0	0											
2022	7,315	21	153,615	0			30,723	30,723	30,723	30,723	30,723			
2023	0	0	0											
2024	0	0	0											
2024	0	0	0											
Tablet PC Replacements				83,475	27,825	27,825	30,723	30,723	30,723	30,723	30,723	0	0	
Reserve Balance as at December 2015 s/b				1,809,755										
Combined Annual Funding to Reserve:					590,069	628,004	635,651	639,934	644,262 incomplete from this point on					

Is the Balance in Reserve at any one time adequate?	
Balance in Reserve as at January 1, 2015	2,438,775
Add: Budgeted transfer of funds to reserve on behalf of 2015 budget	506,000
Less: Establish Reserve to fund unbudgeted operating budget expenditures	(100,000)
Less: Cost of operating budget items to be funded from reserves during 2015	(248,123)
Less: Cost of capital to be funded from reserves during 2015	(515,534)

Projected Balance in Reserve as at December 31, 2015	<u>2,081,118</u>
---	-------------------------

Is this adequate?	
Estimated funds needed on Dec 31, 2015 to fund equip replacements	1,809,755

Projected Remaining Balance in Reserve as at Dec 31, 2015	<u>271,363</u>
--	-----------------------

Our funding model suggests that we should transfer to reserve a total of \$590,069 in 2016 with slight increases each year. Overall we appear to be in good shape **AT THIS TIME**

Examination of Reserve Fund Balance to double check if future is adequate with assumptions made

	Transfer to Reserve	506,000	annual reserve contribution with 2.5% annual increase
12/31/2014		2,438,775	Reserve Balance end of 2014
2015	506,000		Add: budgeted transfer to reserve
	(100,000)		Less: allocation of portion of reserve to fund unbudgeted operating expenditures
	<u>(763,657)</u>		Less: budgeted transfer from reserve
		2,081,118	Projected Reserve Balance end of 2015
2016	590,069		original calculation of budget contribution
	<u>(71,419)</u>		less: reduction in contribution
		518,650	total recommended budget contribution
		(940,619)	purchases
		1,659,149	Reserve Balance end of 2016
2017	628,004		original calculation of budget contribution
	<u>(96,388)</u>		less: reduction in contribution
		531,616	total recommended budget contribution
		(691,441)	purchases
		1,499,323	Reserve Balance end of 2017
2018	635,651		original calculation of budget contribution
	<u>(90,745)</u>		less: reduction in contribution
		544,906	total recommended budget contribution
		(447,503)	purchases
		1,596,726	Reserve Balance end of 2018
2019	639,934		original calculation of budget contribution
	<u>(81,406)</u>		less: reduction in contribution
		558,528	total recommended budget contribution
		(457,100)	purchases
		1,698,154	Reserve Balance end of 2019
2020	644,262		original calculation of budget contribution
	<u>(71,771)</u>		less: reduction in contribution
		572,491	total recommended budget contribution
		(452,207)	purchases
		<u>1,818,438</u>	Reserve Balance end of 2020

to test the adequacy of this figure then as at Dec 31, 2020 we should have in the reserve the following:

Purchase	ERU #1	15,360	2	30,720
Purchase	ERU #2	15,675	1	15,675
Purchase	Trailer	0	0	0
Purchase	2021 Amb	89,144	5	445,721
Purchase	2022 Amb	60,651	4	242,606
Purchase	2023 Amb	92,847	3	278,540
Purchase	2024 Amb	63,169	2	126,338
Purchase	2025 Amb	64,466	1	64,466
Purchase	Defib	107,943	4	431,774
Purchase	Stair Chairs	7,550	4	30,199
Purchase	Stretchers			264,564
Purchase	Tablet PCS	30,723	3	92,169
				<u>2,022,772</u>

surplus/(shortfall) (204,334)