



**SUMMARY OF FIVE YEAR CAPITAL &
EXTRA-ORDINARY EXPENDITURES
EMS (Ambulance)**

PROJECT	2014 Approved Budget	2015-2019 Five Year Capital & Extra-Ordinary Expenditures					TOTAL
		2015	2016	2017	2018	2019	
Debenture Payment - Craigleith Base							
Debenture Payment	57,787	57,787	57,787				115,574
Ambulance Replacement	325,511	498,030	338,661	518,151	352,342	539,084	2,246,268
From Reserve - From EMS Reserve	(315,511)	(483,030)	(328,661)	(503,151)	(342,342)	(524,084)	(2,181,268)
Other (Specify) - Proceeds from Disposal	(10,000)	(15,000)	(10,000)	(15,000)	(10,000)	(15,000)	(65,000)
Tablet Computers				139,125			139,125
From Reserve - From EMS Reserve				(139,125)			(139,125)
Stretchers	32,054	48,756	33,154	50,726	34,494	52,775	219,905
From Reserve - From EMS Reserve	(32,054)	(48,756)	(33,154)	(50,726)	(34,494)	(52,775)	(219,905)
Emergency Response Unit Replacement	67,900				73,332	74,799	148,131
From Reserve - From EMS Reserve	(65,900)				(71,332)	(72,799)	(144,131)
Other (Specify) - Proceeds from Disposal	(2,000)				(2,000)	(2,000)	(4,000)
Cardiac Monitor/Defibrillators			619,200				619,200
From Reserve - From EMS Reserve			(529,200)				(529,200)
Other (Specify) - Proceeds from Disposal			(90,000)				(90,000)
Stair Chair - Patient Conveyance Equipment			51,000				51,000
From Reserve - From EMS Reserve			(51,000)				(51,000)
Transfer to Reserves (Vehicle and Equipment Replacement)							
To Reserve - Transfer To EMS Reserve	506,000	506,000	506,000	506,000	506,000	506,000	2,530,000
Transfer to/from Reserve (BCA) EMS Station Capital Repairs				29,135	29,135	29,135	87,405
Construction of Paramedic Service Base - Chatsworth			40,000	440,000			480,000
Debenture			(40,000)	(440,000)			(480,000)
Debenture Payment				28,652	28,652	28,652	85,956

1. **Department / Function: EMS (Ambulance)**

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 2015-2019 Program:

	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

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 2014-2018 Capital Plan: 692,000**

	2014	2015	2016	2017	2018	Total
Gross	\$57,787	\$57,787	\$57,787	\$0	\$0	\$173,361
Net	\$57,787	\$57,787	\$57,787	\$0	\$0	\$173,361

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

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: EMS (Ambulance)**

Details of Project/Study: Ambulance Replacement

2. **Total Gross Cost of Proposed Capital Project/Study: \$2,246,268**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$2,246,268	

Cost of Proposed Capital Project/Study in 2015-2019 Program:

	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

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.

3 ambulances to be replaced in 2015, 2 ambulances to be replaced in 2016, 3 ambulances to be replaced in 2017, 2 ambulances to be replaced in 2018, 3 ambulances to be replaced in 2019

6. **Scheduling and Cost of Project/Study in 2014-2018 Capital Plan:**

	2014	2015	2016	2017	2018	Total
Gross	\$325,511	\$498,031	\$338,661	\$518,152	\$352,343	\$2,032,698
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
2015	\$483,030	\$15,000
2016	\$328,661	\$10,000
2017	\$503,151	\$15,000
2018	\$342,342	\$10,000
2019	\$524,084	\$15,000
Total	\$2,181,268	\$65,000

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. 2016 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 Dundalk allowed 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: EMS (Ambulance)**

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 2015-2019 Program:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$0	\$139,125	\$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 2014-2018 Capital Plan:**

	2014	2015	2016	2017	2018	Total
Gross	\$0	\$0	\$0	\$139,125	\$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
2015	\$0
2016	\$0
2017	\$139,125
2018	\$0
2019	\$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
2015-2019 CAPITAL PROJECT FORM**

1. Department / Function: EMS (Ambulance)

Details of Project/Study: Stretchers

2. Total Gross Cost of Proposed Capital Project/Study: \$219,905

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$219,905	

Stretchers are replaced based upon a 10 year lifecycle - \$219,905

Cost of Proposed Capital Project/Study in 2015-2019 Program:

	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

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

6. Scheduling and Cost of Project/Study in 2014-2018 Capital Plan:

	2014	2015	2016	2017	2018	Total
Gross	\$32,054	\$49,731	\$33,817	\$51,740	\$35,183	\$202,525
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
2015	\$48,756
2016	\$33,154
2017	\$50,726
2018	\$34,494
2019	\$52,775
Total	\$219,905

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. Upgrades for Power Load compatibility for 2014 increases cost per stretcher to \$16,252.00 from \$14,870.00. Annual inflation increase of 2%.



**CORPORATION OF THE COUNTY OF GREY
2015-2019 CAPITAL PROJECT FORM**

1. Department / Function: EMS (Ambulance)

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 2015-2019 Program:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$0	\$0	\$73,332	\$74,799	\$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 2014-2018 Capital Plan:

	2014	2015	2016	2017	2018	Total
Gross	\$67,900	\$0	\$0	\$0	\$73,332	\$141,232
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
2015	\$0	\$0
2016	\$0	\$0
2017	\$0	\$0
2018	\$71,332	\$2,000
2019	\$72,799	\$2,000
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: EMS (Ambulance)**

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

2. **Total Gross Cost of Proposed Capital Project/Study: \$619,200**

Construction	Consultant/Contractor	Equipment	Other (Specify)
		\$619,200	

Replacement of 18 defibrillators in 2016

Cost of Proposed Capital Project/Study in 2015-2019 Program:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$619,200	\$0	\$0	\$0	\$619,200
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 2014-2018 Capital Plan:** next scheduled replacement is not until 2016

	2014	2015	2016	2017	2018	Total
Gross	\$0	\$0	\$619,200	\$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 non 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
2015	\$0	\$0
2016	\$529,200	\$90,000
2017	\$0	\$0
2018	\$0	\$0
2019	\$0	\$0
Total	\$529,200	\$90,000

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: **EMS (Ambulance)**

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 2015-2019 Program:

	2015	2016	2017	2018	2019	Total
Gross	\$0	\$51,000	\$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 2014-2018 Capital Plan:

	2014	2015	2016	2017	2018	Total
Gross	\$0	\$0	\$51,000	\$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
2015	\$0
2016	\$51,000
2017	\$0
2018	\$0
2019	\$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: EMS (Ambulance)**

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

2. **Total Gross Cost of Proposed Capital Project/Study: \$2,530,000**

Construction	Consultant/Contractor	Equipment	Other (Specify)
			\$2,530,000

Annual transfer to reserve of \$506,000 per year for 5 years - totals \$2,530,000

Cost of Proposed Capital Project/Study in 2015-2019 Program:

	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

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. The EMS department has provided funding for the above capital items over the past 7 years except for the stair chairs which were added to the 2012-2016 capital replacement program.

6. **Scheduling and Cost of Project/Study in 2014-2018 Capital Plan:**

	2014	2015	2016	2017	2018	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
2015	\$506,000
2016	\$506,000
2017	\$506,000
2018	\$506,000
2019	\$506,000
Total	\$2,530,000

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

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

Year	Cost per unit @ 2%	x num units	County needs	Res Bal 2014 s/b	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2015	161,010	3	483,030	402,525	80,505									
2016	164,330	2	328,661	219,107	54,777	54,777								
2017	167,717	3	503,151	251,575	83,858	83,858	83,858							
2018	171,171	2	342,342	114,114	57,057	57,057	57,057	57,057						
2019	174,695	3	524,084	87,347	87,347	87,347	87,347	87,347	87,347					
2020	178,289	2	356,577	0	59,430	59,430	59,430	59,430	59,430	59,430				
2021	181,954	3	545,863	0		90,977	90,977	90,977	90,977	90,977	90,977			
2022	185,693	2	371,387	0			61,898	61,898	61,898	61,898	61,898	61,898		
2023	189,507	3	568,522	0				94,754	94,754	94,754	94,754	94,754	94,754	
2024	193,397	2	386,795	0					64,466	64,466	64,466	64,466	64,466	64,466
Ambulance Replacements				1,074,669	422,974	433,446	440,567	451,463	458,871	incomplete from this point on				

2 ERU and 1 Trailer Replacement as follows:

2015														
2016														
2017														
2018	71,332	1 ERU	71,332	14,266	14,266	14,266	14,266	14,266						
2019	72,799	1 ERU	72,799	0	14,560	14,560	14,560	14,560	14,560					
2020	59,600	1 trailer	59,600	23,840	5,960	5,960	5,960	5,960	5,960	5,960				
2019														
2020														
2023	76,800	1 ERU	76,800						15,360	15,360	15,360	15,360	15,360	
ERU and Trailer Replacements				38,106	34,786	34,786	34,786	34,786	35,880	21,320	15,360	15,360	15,360	

Defibrillators

2016	29,400	18	529,200	270,057	75,600	75,600	107,943	107,943	107,943	107,943	107,943	107,943	107,943	107,943	1 more year
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Stair Chairs

2016	3,000	17	51,000	18,151	5,100	5,100	7,550	7,550	7,550	7,550	7,550	7,550	7,550	7,550	4 more years
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Stretchers

2015	16,252	3	48,756	43,880	4,876									
2016	16,577	2	33,154	26,523	3,315	3,315								
2017	16,909	3	50,726	35,508	5,073	5,073	5,073							
2018	17,247	2	34,494	20,696	3,449	3,449	3,449	3,449						
2019	17,592	3	52,775	26,388	5,278	5,278	5,278	5,278	5,278					
2020	17,944	0	0	0	0	0	0	0	0	0				
2021	18,302	1	18,302	5,491	1,830	1,830	1,830	1,830	1,830	1,830	1,830			
2022	18,668	2	37,337	7,467	3,734	3,734	3,734	3,734	3,734	3,734	3,734			
2023	19,042	3	57,125	5,713	5,713	5,713	5,713	5,713	5,713	5,713	5,713	5,713	5,713	
2024	19,423	2	38,845	0	3,885	3,885	3,885	3,885	3,885	3,885	3,885	3,885	3,885	3,885
2025	19,811	3	59,433	5,943		5,943	5,943	5,943	5,943	5,943	5,943	5,943	5,943	5,943
2026	20,207	2	40,415	0			4,041	4,041	4,041	4,041	4,041	4,041	4,041	4,041
2027	20,611	3	61,834	0				6,183	6,183	6,183	6,183	6,183	6,183	6,183
2028	21,024	2	42,047	0					4,205	4,205	4,205	4,205	4,205	4,205
2029	21,444	3	64,333	0						6,433	6,433	6,433	6,433	6,433
2030	21,873	2	43,746	0							4,375	4,375	4,375	4,375
Stretcher Replacements				177,609	37,151	38,219	38,945	40,056	40,811	41,967	incomplete from this point			

Year	Cost per unit @ 2%	x num units	County needs	Res Bal 2014 s/b	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Tablet PC														
2015	0	0	0											
2016	0	0	0											
2017	6,625	21	139,125	55,650	27,825	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	0					0	0	0	0	0	0
2024	0	0	0	0							0	0	0	0
Tablet PC Replacements				55,650	27,825	27,825	27,825	30,723	30,723	30,723	30,723	30,723		0
Reserve Balance as at December 2014 s/b				1,634,242										
Combined Annual Funding to Reserve:					603,437	614,977	657,617	672,521	681,779 incomplete from this point on					

	number	unit	less	Funds	life
Tablet PC					
2015	0	0	0	0	5
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
Funds required to pay for vehicles and equipment					

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		139,125						153,615	
531,786	942,015	693,001	448,168	649,658	416,177	564,165	408,724	856,062	425,640

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 \$5,000 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 2016.

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

Annual Funding needed to replace Ambulances					
422,974	433,446	440,567	451,463	458,871	incomplete funding scenario for these years
Annual Funding needed to replace ERU and Trailer					
34,786	34,786	34,786	34,786	35,880	incomplete funding scenario for these years
Annual Funding needed to replace Defibrillators					
75,600	75,600	107,943	107,943	107,943	incomplete funding scenario for these years
Annual Funding needed to replace Stair Chairs					
5,100	5,100	7,550	7,550	7,550	incomplete funding scenario for these years
Annual Funding needed to replace Stretchers					
37,151	38,219	38,945	40,056	40,811	incomplete funding scenario
Annual Funding needed to replace Tablet PCs					
27,825	27,825	27,825	30,723	30,723	incomplete funding scenario
603,437	614,977	657,617	672,521	681,779	

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, 2013 of \$2,330,419

Is the Balance in Reserve at any one time adequate?	
Balance in Reserve as at December 31, 2013	2,330,419
Add: Budgeted transfer of funds to reserve on behalf of 2014 budget	506,000
Less: Establish Reserve to fund unbudgeted operating budget expenditures	(100,000)
Less: Cost of capital to be funded from reserves during 2014	(413,465)
Less: Funds used to fund operating budget items in the 2014 budget	(5,963)
Projected Balance in Reserve as at December 31, 2014	<u>2,316,991</u>
Is this adequate?	
Estimated funds needed on Dec 31, 2014 to fund equip replacements	1,634,242
Projected Remaining Balance in Reserve as at Dec 31, 2014	<u>682,749</u>

Our funding model suggests that we should transfer to reserve a total of \$603,437 in 2015 with slight increases each year. Equipment grant funding allocated by the Province in 2005 and 2006 assisted in building the reserve as the ambulances would have been purchased regardless of whether additional funding was received. One ambulance scheduled for replacement in 2007 was replaced in 2006 due to damage and another replaced in 2010 that was scheduled for replacement in 2014; both funded from insurance proceeds.

However, there is an impact on the reserve schedule as this changes the year of replacement on the reserve schedule. One less ambulance is in the replacement schedule effective 2014 as the result of eliminating vehicles out of the County for non emergency transfers. Savings from eliminating an ambulance have been used to add "power load" to the ambulances, this feature is expected to reduce paramedic injuries.

As well, the reserve has also benefited from the 2012 year end surplus totaling \$153,724 and a further \$14,638 surplus from 2013.

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	
12/31/13		2,330,419 Reserve Balance end of 2013	
2014	506,000 (100,000) <u>(419,428)</u>	Add: budgeted transfer to reserve Less: allocation of portion of reserve to fund unbudgeted operating expenditures Less: budgeted transfer from reserve	
		2,316,991 Projected Reserve Balance end of 2014	
2015	603,437 <u>(97,437)</u>	original calculation of budget contribution less: reduction in contribution 506,000 total recommended budget contribution (531,786) purchases	2,291,205 Reserve Balance end of 2015
2016	614,977 <u>(108,977)</u>	original calculation of budget contribution less: reduction in contribution 506,000 total recommended budget contribution (942,015) purchases	1,855,190 Reserve Balance end of 2016
2017	657,617 <u>(151,617)</u>	original calculation of budget contribution less: reduction in contribution 506,000 total recommended budget contribution (693,001) purchases	1,668,189 Reserve Balance end of 2017
2018	672,521 <u>(166,521)</u>	original calculation of budget contribution less: reduction in contribution 506,000 total recommended budget contribution (448,168) purchases	1,726,021 Reserve Balance end of 2018
2019	681,779 <u>(175,779)</u>	original calculation of budget contribution less: reduction in contribution 506,000 total recommended budget contribution (649,658) purchases	<u>1,582,363</u> Reserve Balance end of 2019

to test the adequacy of this figure then as at Dec 31, 2019 we should have in the reserve the following:

Purchase	ERU #1	0	0
Purchase	ERU #2	15,360	1 15,360
Purchase	Trailer	5,960	9 53,640
Purchase	2020 Amb	59,430	5 297,148
Purchase	2021 Amb	90,977	4 363,909
Purchase	2022 Amb	61,898	3 185,693
Purchase	2023 Amb	94,754	2 189,507
Purchase	2024 Amb	64,466	1 64,466
Purchase	Defib	107,943	3 323,830
Purchase	Stair Chairs	7,550	3 22,649
Purchase	Stretchers		146,945
Purchase	Tablet PCS	30,723	2 61,446
			<u>1,724,593</u>

surplus/(shortfall) (142,230)

1. **Department / Function: EMS (Ambulance)**

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

2. **Total Gross Cost of Proposed Capital Project/Study: \$87,405**

Construction	Consultant/Contractor	Equipment	Other (Specify)
			\$87,405

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 2015-2019 Program:

	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

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 2014-2018 Capital Plan:**

	2014	2015	2016	2017	2018	Total
Gross	\$0	\$0	\$0	\$57,787	\$57,787	\$115,574
Net	\$0	\$0	\$0	\$57,787	\$57,787	\$115,574

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

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 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. As a result, there will be no increase in levy requirement.

1. Department / Function: **EMS (Ambulance)**

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 2015-2019 Program:

	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

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 2014-2018 Capital Plan:

	2014	2015	2016	2017	2018	Total
Gross	\$0	\$0	\$0	\$0	\$0	\$0
Net	\$0	\$0	\$0	\$0	\$0	\$0

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
2015	\$0	\$0
2016	\$40,000	\$0
2017	\$440,000	\$28,652
2018	\$0	\$28,652
2019	\$0	\$28,652
Total	\$480,000	\$85,956

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.