

Discussion Materials

Macon County, North Carolina



February 9, 2018



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Capital Improvement Plan Development Process

- Distribute Project Request Document to Department Heads, including guidelines for qualifying capital projects.
- Department Heads provide list of capital needs to County Management / Finance Department.
- Department Head requests summarized and reviewed in conjunction with Debt / Capacity / Affordability.
- Capital needs reviewed and discussed with Department Heads.
- Capital needs reviewed in conjunction with initial Debt Capacity / Debt Affordability Analysis.
- Capital needs prioritized, funding sources identified, and initial 5-Year CIP developed.
- CIP and Debt Capacity / Debt Affordability analysis reviewed with the County Board and revised as necessary based upon feedback provided by County Board.
- CIP formally presented to County Board and revised as necessary.
- CIP finalized and adopted by County Board.



Credit Rating Overview and Peer Comparatives



Credit Rating Overview and Peer Comparatives

Overview

- The County is not currently rated by Moody's, Standard & Poor's, or Fitch.
- The County was previously rated Aa3 / A+ by Moody's and Standard & Poor's for its Certificates of Participation, Series 2004. These rating were withdrawn in 2015 following the maturity of the 2004 COPs.
- The following pages contain peer comparatives based on the below Moody's rating categories.
 - National Counties
 - Aaa 104 Credits
 - Aa1 112 Credits
 - Aa2 296 Credits
 - North Carolina Counties
 - Aaa 9 Credits
 - Buncombe, Durham, Forsyth, Guilford, Mecklenburg, New Hanover, Orange, Union, Wake
 - Aa1 7 Credits
 - Cabarrus, Carteret, Catawba, Cumberland, Iredell, Johnston, Pitt
 - Aa2 26 Credits
 - Alamance, Brunswick, Burke, Caldwell, Craven, Dare, Davidson, Davie, Franklin, Gaston, Granville, Harnett, Henderson, Lee, Lenoir, Moore, Nash, Onslow, Pender, Randolph, Rockingham, Rowan, Transylvania, Watauga, Wayne, Wilson

Moody's Investors Service	Standard & Poors	Fitch Ratings
Aaa	AAA	AAA
Aa1	AA+	AA+
Aa2	AA	AA
Aa3	AA-	AA-
A1	A+	A+
A2	A	A
A3	A-	A-
Baa1	BBB+	BBB+
Baa2	BBB	BBB
Baa3	BBB-	BBB-
Non Investment Grade		

Note: Ratings shown are estimated GO equivalents.

Note: The data shown in the peer comparatives is from Moody's Municipal Financial Ratio Analysis database. The figures shown are derived from the most recent financial statement available as of January 11, 2018 (a mix of FY 2016 and FY 2017).



Rating Agency Methodology Updates

■ Moody's Investors Service

- Under Moody's credit rating methodology, an initial indicative rating is calculated from a weighted average of four key factors:

– Economy/Tax Base	30%
– Finances	30%
– Management	20%
– Debt/Pensions	20%
- Additional adjustments can be made from the indicative rating based on qualitative factors.

■ Standard & Poor's

- Under S&P's credit rating methodology, an initial indicative rating is calculated from a weighted average of seven key factors:

– Institutional Framework	10%
– Economy	30%
– Management	20%
– Budgetary Flexibility	10%
– Budgetary Performance	10%
– Liquidity	10%
– Debt and Contingent Liabilities	10%
- Additional adjustments can be made from the indicative rating based on qualitative factors.



General Fund Operations and Fund Balance

General Fund Operations



	2013 Audited	2014 Audited	2015 Audited	2016 Audited	2017 Audited
1 Revenues					
2 Ad valorem taxes	26,149,786	26,792,489	26,754,756	28,070,448	28,339,871
3 Local option sales tax	6,243,883	6,152,792	6,546,506	6,869,814	7,475,131
4 Unrestricted intergovernmental revenues	357,318	357,068	330,950	393,453	380,677
5 Restricted intergovernmental revenues	8,185,273	8,692,694	8,216,336	9,008,136	9,849,855
6 Permits and fees	1,409,574	1,520,280	1,036,576	1,161,104	1,302,607
7 Sales and services	2,436,510	2,391,080	2,619,721	3,031,340	3,177,950
8 Interest income	57,117	48,077	46,461	79,863	158,931
9 Miscellaneous	173,366	180,086	187,553	125,940	162,877
11 Total revenues	45,012,827	46,134,566	45,738,859	48,740,098	50,847,899
12					
13 Expenditures					
14 General Government	6,773,209	6,799,490	6,339,866	6,990,415	7,464,392
15 Public Safety	11,610,233	11,334,249	11,190,228	11,614,637	12,761,686
16 Transportation	748,894	1,016,489	1,228,966	1,073,513	1,262,628
17 Economic and physical development	1,033,663	1,136,642	536,223	592,581	759,725
18 Human services	10,786,673	10,982,350	10,839,675	11,521,443	11,860,281
19 Education	8,294,839	8,568,970	8,494,462	8,606,220	8,577,579
20 Cultural and recreation	2,710,790	2,386,734	2,183,250	2,418,146	2,409,396
21 Debt Service					
22 Principal	-	-	-	-	-
23 Interest	-	-	-	-	-
24 Total Debt Service	-	-	-	-	-
25 Total expenditures	41,958,301	42,224,924	40,812,670	42,816,955	45,095,687
26					
27 Revenues over (under) expenditures	3,054,526	3,909,642	4,926,189	5,923,143	5,752,212
28					
29 Other Sources (Uses)					
30 Transfers to other funds	(4,281,025)	(4,412,891)	(3,055,480)	(2,487,027)	(5,057,531)
31 Transfers from other funds	99,712	7,000	7,000	7,000	77,443
32 Issuance of long-term debt	374,000	-	-	-	-
33 Total other sources (uses)	(3,807,313)	(4,405,891)	(3,048,480)	(2,480,027)	(4,980,088)
34					
35 Change in Fund Balance	(752,787)	(496,249)	1,877,709	3,443,116	772,124
36					
37 Fund Balance Beginning	21,366,558	20,613,771	20,117,522	21,995,231	25,438,347
38 Prior period adjustment	-	-	-	-	-
39 Fund Balance Ending	20,613,771	20,117,522	21,995,231	25,438,347	26,210,471



General Fund Balance

General Fund Balance

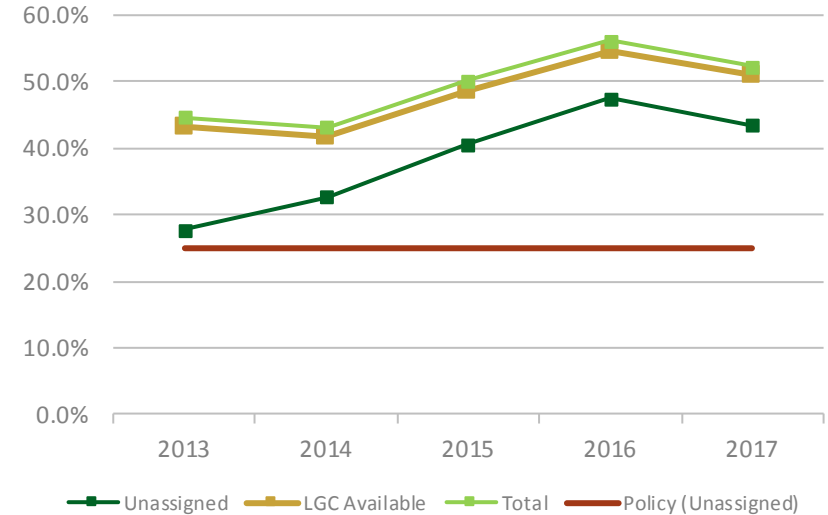
	2013	2014	2015	2016	2017
1 General Fund Budget					
2 Revenues	45,012,827	46,134,566	45,738,859	48,740,098	50,847,899
3 Expenditures (including transfers out)	46,239,326	46,637,815	43,868,150	45,303,982	50,153,218
4 General Fund Balance					
6 Nonspendable	311,383	286,403	327,791	276,961	313,233
7 Restricted - Other	310,530	341,957	370,284	398,159	391,531
8 Restricted - Stabilization by state statute	5,028,303	3,661,982	3,496,787	3,275,529	3,694,463
9 Committed	-	-	-	-	-
10 Assigned	2,121,220	566,642	-	-	-
11 Unassigned	12,842,335	15,260,538	17,800,369	21,487,698	21,811,244
12 Total	20,613,771	20,117,522	21,995,231	25,438,347	26,210,471
14 Rating Agency Available ¹	19,991,858	19,489,162	21,297,156	24,763,227	25,505,707
16 LGC Available ²	15,274,085	16,169,137	18,170,653	21,885,857	22,202,775
18 General Fund Balance Ratios					
19 Unassigned as a % of Revenues	28.5%	33.1%	38.9%	44.1%	42.9%
20 Unassigned as a % of Expenditures (including transfers out)	27.8%	32.7%	40.6%	47.4%	43.5%
21 RA Available as a % of Revenues	44.4%	42.2%	46.6%	50.8%	50.2%
22 RA Available as a % of Expenditures (including transfers out)	43.2%	41.8%	48.5%	54.7%	50.9%
23 Total General Fund Balance as a % of Revenues	45.8%	43.6%	48.1%	52.2%	51.5%
24 Total General Fund Balance as a % of Expenditures (including transfers out)	44.6%	43.1%	50.1%	56.2%	52.3%

¹ Includes Stabilization by state statute, Committed, Assigned, and Unassigned Fund Balances.

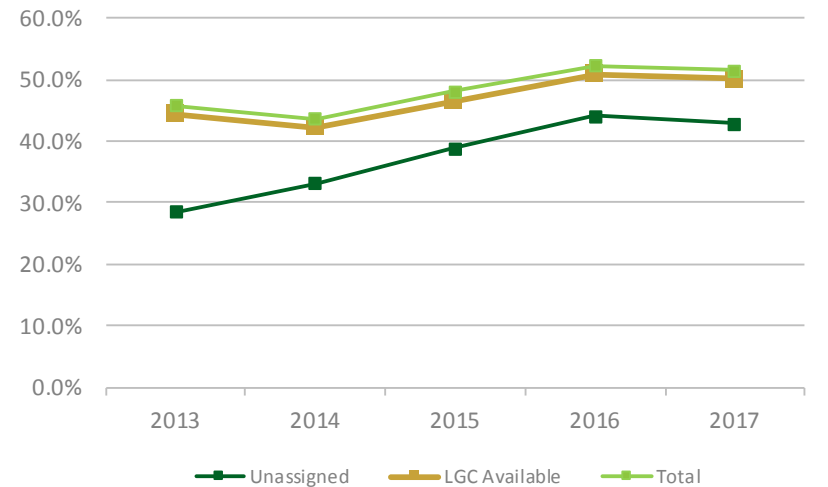
² Includes Total General Fund Balance less Inventories, Prepaids and Stabilization by State Statute.

- The County maintains an informal policy establishing a minimum Unassigned Fund Balance to Expenditures ratio, including transfers out, of 25%.
- The County may want to consider formalizing a policy that establishes a minimum and/or targeted Unassigned Fund Balance to Expenditures ratio.

General Fund Balance as a % of Expenditures (including transfer out)



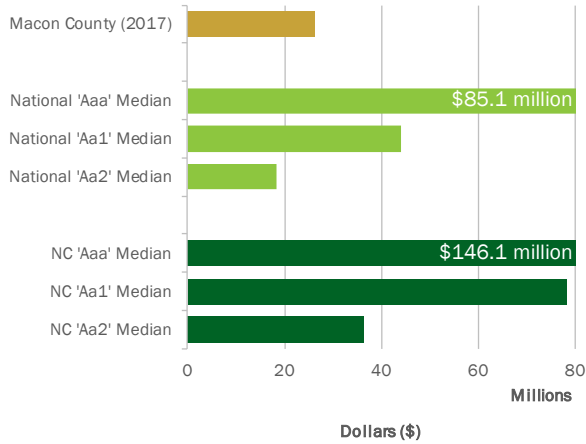
General Fund Balance as a % of Revenues



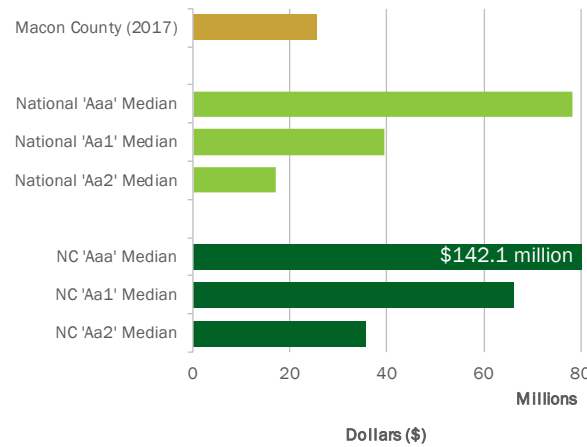


General Fund Balance – Peer Comparatives

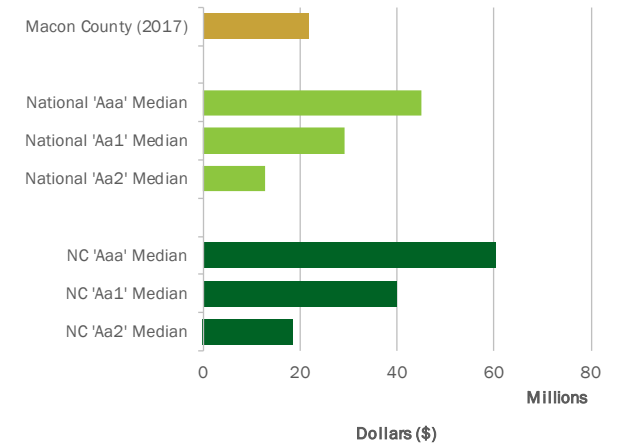
Total General Fund Balance



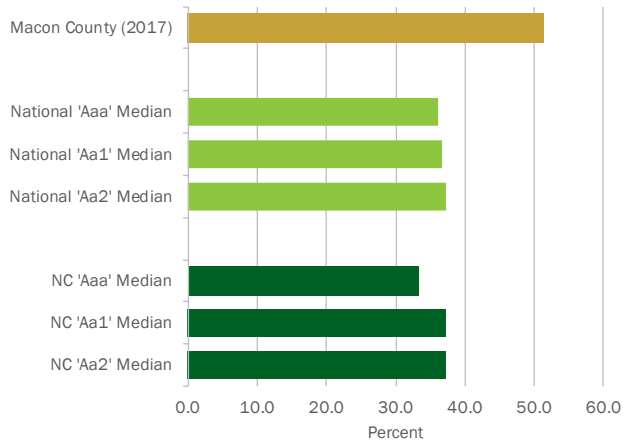
Rating Agency Available General Fund Balance ¹



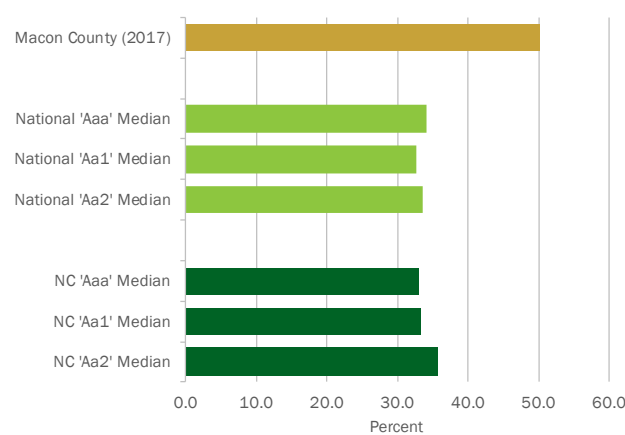
Unassigned General Fund Balance



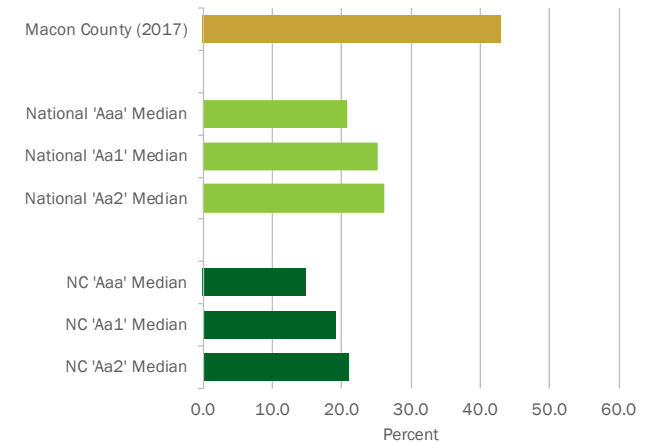
Total General Fund Balance as a % of Revenues



Rating Agency Available Fund Balance as a % of Revenues ¹



Unassigned Fund Balance as a % of Revenues



¹ Includes Restricted – Stabilization by State Statute, Committed, Assigned, and Unassigned Fund Balances.

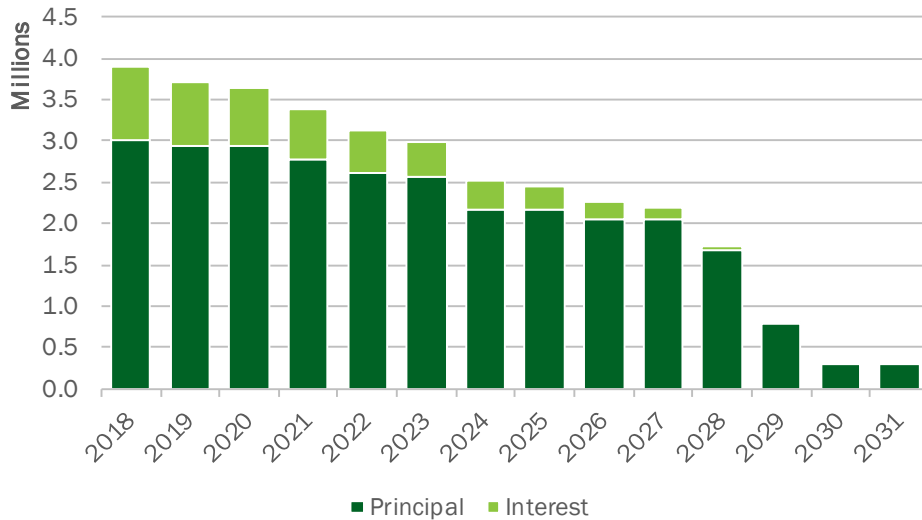


Tax Supported Debt Profile



Existing Tax Supported Debt

Tax Supported Debt Service



Par Outstanding – Estimated as of 6/30/2017

Type	Par Amount
General Obligation Bonds	\$0
IPCs / LOBs / COPs	\$28,402,966
Total	\$28,402,966

Tax Supported Debt Service

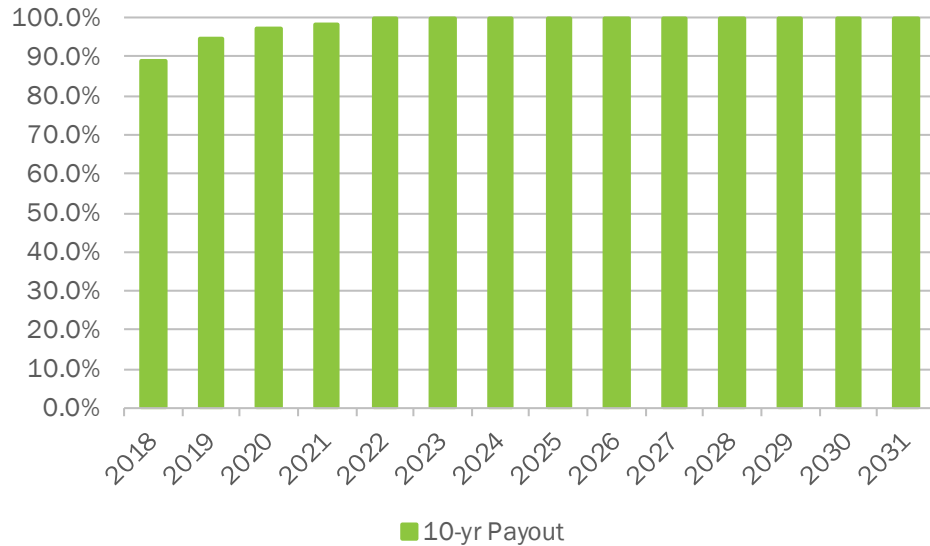
FY	Principal	Interest	Total	10-yr Payout
Total	28,402,966	4,882,599	33,285,565	
2018	3,018,890	867,224	3,886,114	89.1%
2019	2,941,692	776,547	3,718,239	94.5%
2020	2,941,692	686,729	3,628,421	97.3%
2021	2,775,026	596,912	3,371,937	98.5%
2022	2,608,359	512,569	3,120,928	100.0%
2023	2,555,564	429,872	2,985,436	100.0%
2024	2,179,436	348,614	2,528,050	100.0%
2025	2,179,436	270,412	2,449,848	100.0%
2026	2,059,436	194,176	2,253,612	100.0%
2027	2,059,436	123,834	2,183,271	100.0%
2028	1,680,328	53,493	1,733,821	100.0%
2029	801,221	14,371	815,592	100.0%
2030	301,221	5,231	306,451	100.0%
2031	301,229	2,615	303,844	100.0%

- 2010 QZAB and QSCB interest is shown gross of Federal Subsidy.
- 2007 QZAB is shown net of investment earnings.



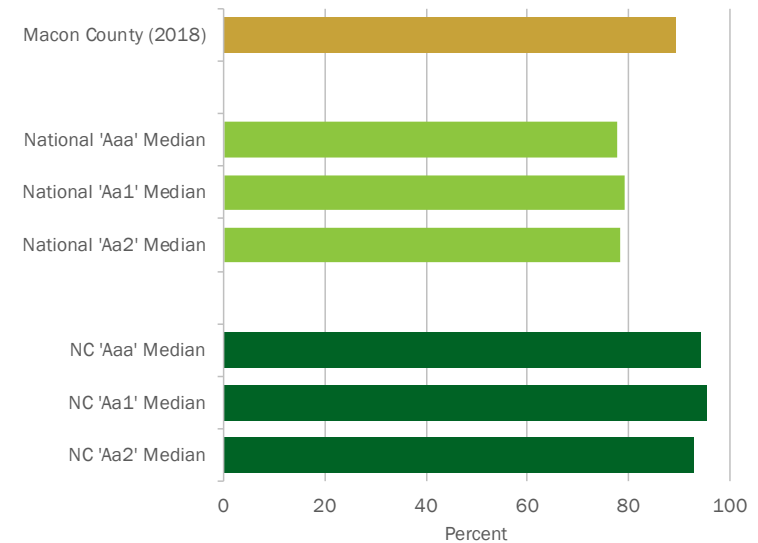
Key Debt Ratio: Tax Supported Payout Ratio

10-Year Payout Ratio



- Existing 10-year Payout Ratio
 - FY 2018: 89.1%
- The 10-Year Payout Ratio measures the amount of principal to be retired in the next 10 years.
- This ratio is an important metric that indicates whether or not a locality is back-loading its debt.
- **The County may want to consider a policy establishing a minimum 10 Year Payout Ratio.**

10-year Payout Ratio Peer Comparative

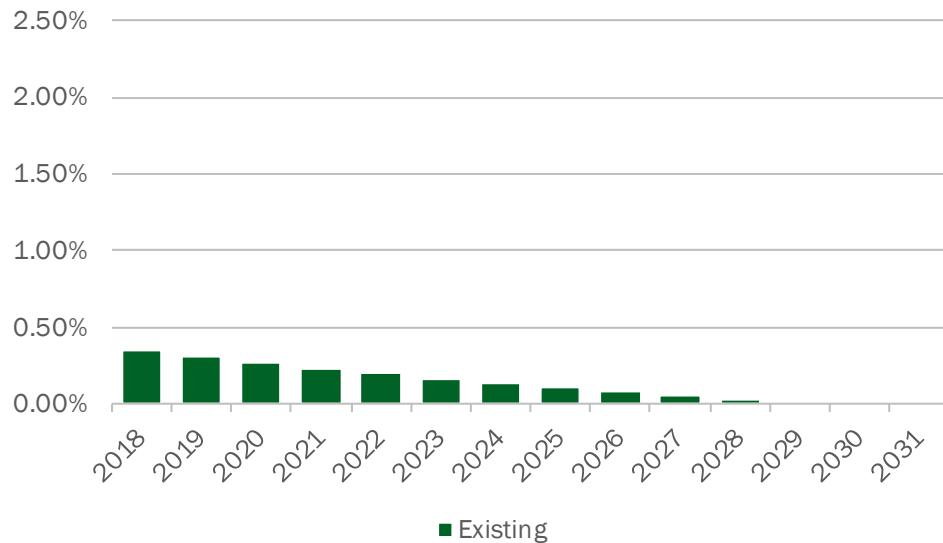


- Rating Considerations:
 - Moody's: Moody's rating criteria for General Obligation credits allows for a scorecard adjustment if an issuer has unusually slow or rapid amortization of debt principal.
 - S&P: A payout ratio greater than 65% results in a one point positive qualitative adjustment to the Debt & Contingent Liabilities section of S&P's General Obligation rating methodology.



Key Debt Ratio: Debt to Assessed Value

Debt to Assessed Value



- Existing Debt to Assessed Value

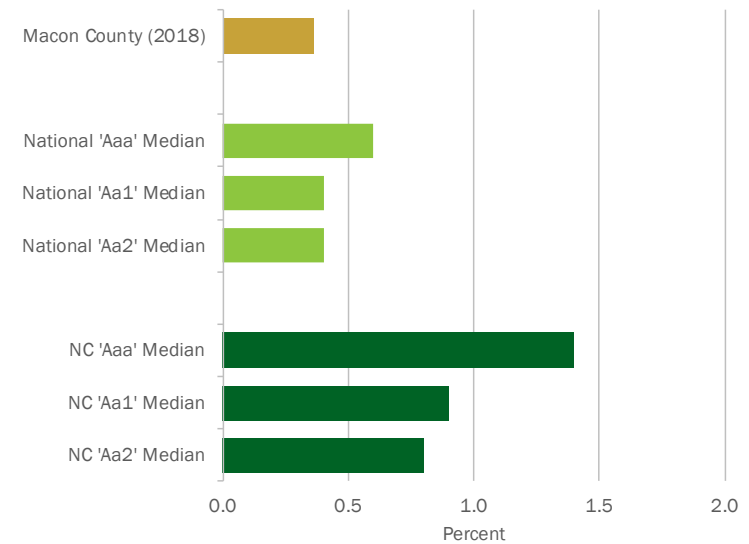
- FY 2018: 0.36%

- Assumed Future Growth Rates

- 2017 Assessed Value: \$8,003,397,136
 - 2018 Budgeted Assessed Value: \$7,987,699,966
 - 2019 & Beyond: 1.00%

- The County may want to consider a policy establishing a maximum Debt to Assessed Value.

Debt to Assessed Value Peer Comparative



- Rating Considerations:

- Moody's: Criteria for General Obligation Credits defines categories of Debt to Assessed Values as:

- Very Strong (Aaa): < 0.75%

- Strong (Aa): 0.75% - 1.75%

- Moderate (A): 1.75% - 4.00%

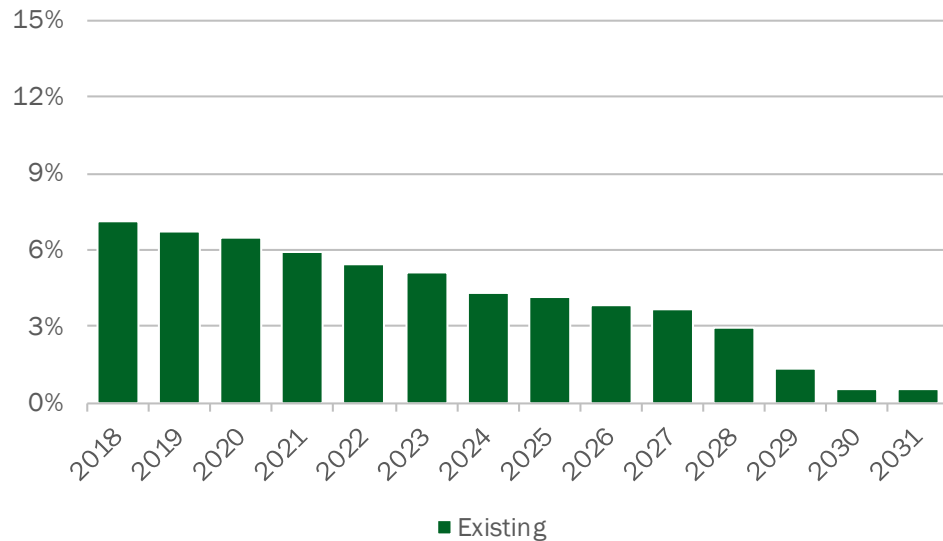
- Weak - Very Poor (Baa and below): > 4.00%

- S&P: A positive qualitative adjustment is made to the Debt and Contingent Liabilities score for a debt to market value ratio below 3.00%, while a negative adjustment is made for a ratio above 10.00%.



Key Debt Ratio: Debt Service vs. Expenditures

Debt Service vs. Governmental Expenditures



- Existing Debt Service vs. Expenditures

- FY 2018: 7.10%

- Assumed Future Growth Rates

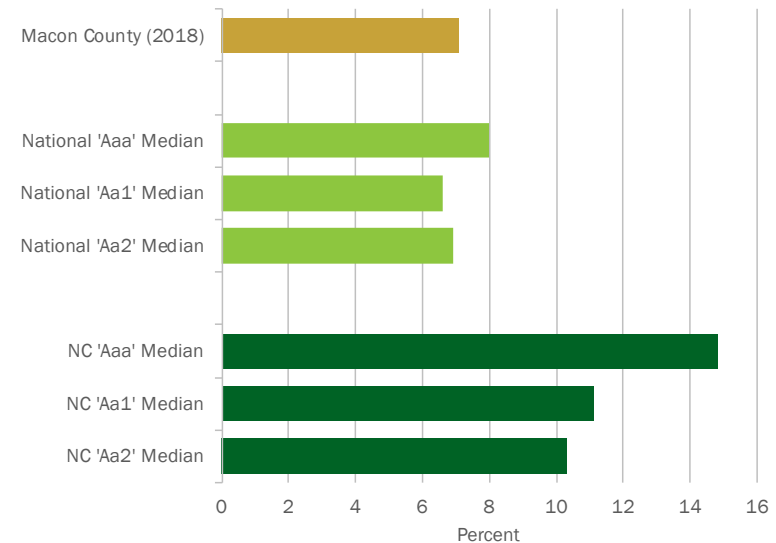
- 2017 Adjusted Expenditures: \$50,370,044

- 2018 & Beyond 1.00%

- The County may want to consider a policy establishing a maximum level of Debt Service to Expenditures.

Note: Governmental Expenditures represent the ongoing operating expenditures of the County. In this analysis, debt service and capital outlay expenditures are excluded.

Debt Service vs. Expenditures Peer Comparative



- Rating Considerations:

- Moody's: Moody's criteria allows for a scorecard adjustment if an issuer has very high or low debt service relative to its budget Percent.

- S&P: The Debt and Contingent Liabilities section defines categories of Net Direct Debt as a % of Total Governmental Funds Expenditures as follows:

Very Strong:	<8%
Strong:	8% to 15%
Adequate:	15% - 25%
Weak:	25% - 35%
Very Weak:	> 35%



Existing Debt Affordability Analysis

A	B	C	D	E	F	G	H	I	J	K	L	Revenue Available for DS						Debt Service Cash Flow Surplus (Deficit)				Y	Z			
												M	N	O	P	Q	R	S	T	U	V			W	X	Estimated Incremental Tax Equivalent
FY	Existing Debt Service	CIP Debt Service	CIP Pay-Go Cash	Annual School Pay-Go	Annual Vehicle Pay-Go	CIP Operating Impact	Total	Debt Service Fund (General Fund)	Transfer to Debt Service Fund (Fund 21) ²	NC Lottery Funds	Debt Service Fund Revenues (FR/LT Sewer)	Revenues Available for One Time Capital	FY 18 County Pay Go ³	Budgeted School Pay-Go	Budgeted Vehicle Pay-Go	2010 QZAB Subsidy ⁴	2010 QSCB Subsidy ⁴	Other Revenues / Reserves Available	Total Revenues Available	Surplus/ (Deficit)	Revenue From Prior Tax Impact	Capital Reserve Utilized	Adjusted Surplus/ (Deficit)	Estimated Incremental Tax Equivalent	Capital Reserve Fund Balance ⁵	
2018	3,886,114	-	900,000	600,000	600,000	-	5,986,114	1,266,351	1,867,166	300,000	43,576	300,000	900,000	600,000	600,000	47,112	361,913	-	6,286,118	300,003	-	-	300,003	-	1,047,085	
2019	3,718,239	-	-	600,000	600,000	-	4,918,239	1,266,351	1,921,590	300,000	42,755	300,000	900,000	600,000	600,000	41,099	327,131	-	6,298,926	1,380,687	-	-	1,380,687	-	2,427,772	
2020	3,628,421	-	-	600,000	600,000	-	4,828,421	1,266,351	1,940,806	300,000	41,934	300,000	900,000	600,000	600,000	35,010	291,766	-	6,275,866	1,447,445	-	-	1,447,445	-	3,875,217	
2021	3,371,937	-	-	600,000	600,000	-	4,571,937	1,266,351	1,960,214	300,000	41,112	300,000	900,000	600,000	600,000	28,922	256,400	-	6,252,999	1,681,061	-	-	1,681,061	-	5,556,278	
2022	3,120,928	-	-	600,000	600,000	-	4,320,928	1,266,351	1,979,816	300,000	40,291	300,000	900,000	600,000	600,000	22,833	221,035	-	6,230,325	1,909,397	-	-	1,909,397	-	7,465,675	
2023	2,985,436	-	-	600,000	600,000	-	4,185,436	1,266,351	1,999,614	300,000	39,470	300,000	900,000	600,000	600,000	16,744	185,669	-	6,207,848	2,022,412	-	-	2,022,412	-	9,488,087	
2024	2,528,050	-	-	600,000	600,000	-	3,728,050	1,266,351	2,019,610	300,000	38,649	300,000	900,000	600,000	600,000	10,655	150,304	-	6,185,569	2,457,519	-	-	2,457,519	-	11,945,606	
2025	2,449,848	-	-	600,000	600,000	-	3,649,848	1,266,351	2,039,806	300,000	37,828	300,000	900,000	600,000	600,000	4,567	114,938	-	6,163,490	2,513,642	-	-	2,513,642	-	14,459,247	
2026	2,253,612	-	-	600,000	600,000	-	3,453,612	1,266,351	2,060,204	300,000	37,006	300,000	900,000	600,000	600,000	-	79,572	-	6,143,134	2,689,522	-	-	2,689,522	-	17,148,769	
2027	2,183,271	-	-	600,000	600,000	-	3,383,271	1,266,351	2,080,806	300,000	36,185	300,000	900,000	600,000	600,000	-	44,207	-	6,127,549	2,744,279	-	-	2,744,279	-	19,893,048	
2028	1,733,821	-	-	600,000	600,000	-	2,933,821	1,266,351	2,101,614	300,000	35,364	300,000	900,000	600,000	600,000	-	8,841	-	6,112,171	3,178,349	-	-	3,178,349	-	23,071,397	
2029	815,592	-	-	600,000	600,000	-	2,015,592	1,266,351	2,122,630	300,000	34,543	300,000	900,000	600,000	600,000	-	-	-	6,123,524	4,107,933	-	-	4,107,933	-	27,179,330	
2030	306,451	-	-	600,000	600,000	-	1,506,451	1,266,351	2,143,857	300,000	33,721	300,000	900,000	600,000	600,000	-	-	-	6,143,929	4,637,478	-	-	4,637,478	-	31,816,807	
2031	303,844	-	-	600,000	600,000	-	1,503,844	1,266,351	2,165,295	300,000	32,900	300,000	900,000	600,000	600,000	-	-	-	6,164,546	4,660,702	-	-	4,660,702	-	36,477,510	
2032	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,186,948	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,153,299	4,953,299	-	-	4,953,299	-	41,430,809	
2033	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,208,818	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,175,169	4,975,169	-	-	4,975,169	-	46,405,978	
2034	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,230,906	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,197,257	4,997,257	-	-	4,997,257	-	51,403,235	
2035	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,253,215	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,219,566	5,019,566	-	-	5,019,566	-	56,422,801	
2036	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,275,747	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,242,098	5,042,098	-	-	5,042,098	-	61,464,899	
2037	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,298,505	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,264,856	5,064,856	-	-	5,064,856	-	66,529,754	
2038	-	-	-	600,000	600,000	-	1,200,000	1,266,351	2,321,490	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,287,841	5,087,841	-	-	5,087,841	-	71,617,595	
Total	33,285,565	-	900,000	12,600,000	12,600,000	-	59,385,565																			

¹2007 QZAB payment shown net of investment earnings. 2010 QZAB and 2010 QSCB shown gross of estimated federal subsidy.
²The transfer to the Debt Service Fund (Fund 21) represents Restricted Sales Tax Funds and assumes a 1% annual growth rate.
³The FY 2018 Budget includes \$900,000 for one time capital projects that include Radio Towers, a Detention Center and the Highland Recreation Center.
⁴Federal subsidies reduced by 7.05% due to sequestration for FY 2018 and 6.9% for subsequent fiscal years.
⁵The beginning Capital Reserve Fund Balance represents funds available in the County's Consolidated Capital Projects Fund that is reserved for schools.

- Value of a Penny in FY 2018: \$784,806
- Assumed Ad Valorem Tax Growth: 1.00%



Capital Improvement Plan Overview



Summary of Capital Projects by Department with Detail

Management Adjusted CIP Projects – Page 1 of 2

Department	2018	2019	2020	2021	2022	2023	FY 2018-2023	FY 2024-2028	Grand Total
Administrative									
Space Needs Study	\$	300,000					\$ 300,000	\$ -	\$ 300,000
Total Administrative		300,000	-	-	-	-	300,000	-	300,000
Maintenance									
Light Replacement			175,680				175,680	-	175,680
Total Maintenance		-	175,680	-	-	-	175,680	-	175,680
Airport									
Runway 25 Extended Safety Area and Lights		1,350,000					1,350,000	-	1,350,000
Hanagr Development			1,010,000	2,100,000	880,000		3,990,000	-	3,990,000
1,000 Foot Runway Extension				4,950,000	195,000	1,715,000	6,860,000	2,280,000	9,140,000
Road Relocation					520,000		520,000	-	520,000
Airport Gross Project Cost		1,350,000	1,010,000	7,050,000	1,595,000	1,715,000	12,720,000	2,280,000	15,000,000
Airports - Other Funding		(1,215,000)	(909,000)	(6,345,000)	(1,435,500)	(1,543,500)	(11,448,000)	(2,052,000)	(13,500,000)
Airport Net Project Cost		135,000	101,000	705,000	159,500	171,500	1,272,000	228,000	1,500,000
Vehicles									
Vehicle Replacement	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	3,000,000	6,600,000
Total Vehicles	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	3,000,000	6,600,000
Board of Elections									
Voting Machines ¹			181,115				181,115	-	181,115
Total Board of Elections		-	181,115	-	-	-	181,115	-	181,115
Social Services									
Crawford Senior Center Expansion ¹			8,876,650				8,876,650	-	8,876,650
Total Social Services		-	8,876,650	-	-	-	8,876,650	-	8,876,650
Emergency Services									
Emergency Radio Communications System		200,000					200,000	150,000	350,000
Ambulance Replacement			320,141		320,141		640,282	640,282	1,280,564
Total Emergency Services		200,000	320,141	-	320,141	-	840,282	790,282	1,630,564
Macon County Schools									
Annual School Technology	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	1,500,000	3,300,000
Annual School Capital Outlay	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	1,500,000	3,300,000
Franklin High School							-	60,000,000	60,000,000
Macon Middle School Renovation						2,697,200	2,697,200	-	2,697,200
South Macon Addition	3,000,000						3,000,000	-	3,000,000
Total Macon County Schools	3,600,000	600,000	600,000	600,000	600,000	3,297,200	9,297,200	63,000,000	72,297,200

¹ Other Funding Sources were not included to offset capital costs for the Voting Machines or the Crawford Senior Center Expansion although grants, donations and other funding options are being explored.



Summary of Capital Projects by Department with Detail

Management Adjusted CIP Projects – Page 2 of 2

Department	2018	2019	2020	2021	2022	2023	FY 2018-2023	FY 2024-2028	Grand Total
Health									
New Health Annex / Existing Facility Renovation							-	5,117,800	5,117,800
Animal Services Expansion							-	481,212	481,212
Molar Roller Replacement							-	640,000	640,000
Health Gross Project Cost		-	-	-	-	-	-	6,239,012	6,239,012
Molar Roller Replacement - Other Funding							-	(100,000)	(100,000)
Health Net Project Cost		-	-	-	-	-	-	6,139,012	6,139,012
Housing									
Housing Department Office & Shop				166,650			166,650	-	166,650
Total Housing		-	-	166,650	-	-	166,650	-	166,650
Information Technology									
Backup and Archival		160,000					160,000	-	160,000
Data Storage					418,600		418,600	418,600	837,200
Host Upgrade			110,000				110,000	220,000	330,000
Network Switch and Router Refresh		137,500	137,500				275,000	300,000	575,000
Host OS and SQL		207,781	207,781	207,781	187,834	187,834	999,011	939,170	1,938,181
Security and Access Control, and Fire Panel Refresh							175,714	-	175,714
Total Information Technology		505,281	455,281	802,095	187,834	187,834	2,138,325	1,877,770	4,016,095
Parks & Recreation									
Veterans Memorial and Industrial Park Improvements							-	1,020,000	1,020,000
Zachary Park Improvements			250,000				250,000	-	250,000
Total Parks & Recreation		-	250,000	-	-	-	250,000	1,020,000	1,270,000
Southwestern Community College									
Public Safety Training Fire Burn Building		2,712,606					2,712,606	-	2,712,606
Public Safety Training Fire Burn Building - Other Funding		(1,400,000)					(1,400,000)	-	(1,400,000)
SCC Public Safety Training Center Classroom Building							-	9,410,000	9,410,000
Public Safety Training, Indoor Firing Range							-	7,897,000	7,897,000
Macon Campus Science Building							-	8,696,000	8,696,000
Total Southwestern Community College	-	1,312,606	-	-	-	-	1,312,606	26,003,000	27,315,606
Transit Services									
MCT Facility Expansion and Parking Lot		250,543		300,750			551,293	-	551,293
Transit Gross Project Cost		250,543	-	300,750	-	-	551,293	-	551,293
MCT Facility Expansion and Parking Lot - Grant Funding		(180,214)		(270,675)			(450,889)	-	(450,889)
Transit Net Project Cost		70,329	-	30,075	-	-	100,404	-	100,404
Total Gross Project Cost		\$ 5,118,430	\$ 12,468,867	\$ 9,519,495	\$ 3,302,975	\$ 5,800,034	\$ 40,409,801	\$ 104,210,064	\$ 144,619,865
Total Net Project Cost	\$ 4,200,000	\$ 3,723,216	\$ 11,559,867	\$ 2,903,820	\$ 1,867,475	\$ 4,256,534	\$ 28,510,912	\$ 102,058,064	\$ 130,568,976
Cumulative Net Project Cost	\$ 4,200,000	\$ 7,923,216	\$ 19,483,083	\$ 22,386,903	\$ 24,254,378	\$ 28,510,912			



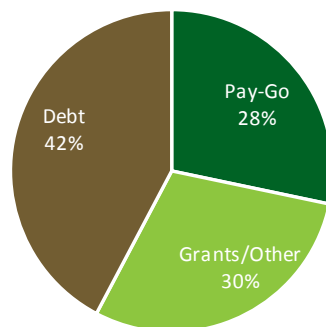
Summary of Sources and Uses of Funds

5-Year CIP – Management Adjusted Projects

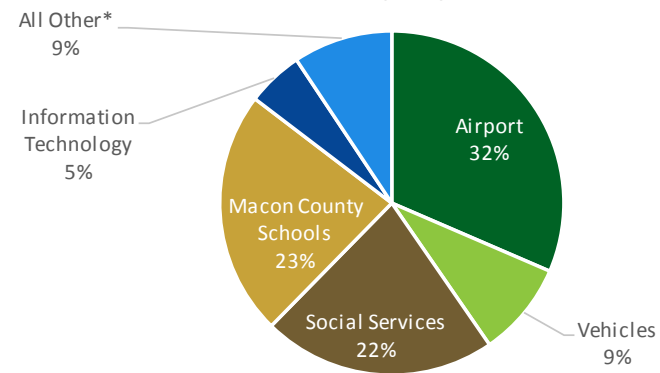
Uses by Department	2018	2019	2020	2021	2022	2023	FY 2018-2023	FY 2024-2028
1 Administrative	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -
2 Maintenance	-	-	175,680	-	-	-	175,680	-
3 Airport	-	1,350,000	1,010,000	7,050,000	1,595,000	1,715,000	12,720,000	2,280,000
4 Vehicles	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	3,000,000
5 Board of Elections	-	-	181,115	-	-	-	181,115	-
6 Social Services	-	-	8,876,650	-	-	-	8,876,650	-
7 Emergency Services	-	200,000	320,141	-	320,141	-	840,282	790,282
8 Macon County Schools	3,600,000	600,000	600,000	600,000	600,000	3,297,200	9,297,200	63,000,000
9 Health	-	-	-	-	-	-	-	6,239,012
10 Housing	-	-	-	166,650	-	-	166,650	-
11 Information Technology	-	505,281	455,281	802,095	187,834	187,834	2,138,325	1,877,770
12 Parks & Recreation	-	-	250,000	-	-	-	250,000	1,020,000
13 Southwestern Community College	-	1,312,606	-	-	-	-	1,312,606	26,003,000
14 Transit Services	-	250,543	-	300,750	-	-	551,293	-
15 Total	\$ 4,200,000	\$ 5,118,430	\$ 12,468,867	\$ 9,519,495	\$ 3,302,975	\$ 5,800,034	\$ 40,409,801	\$ 104,210,064

Sources	2018	2019	2020	2021	2022	2023	FY 2019-2023
16 Annual School Pay-Go	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 3,600,000
17 Annual Vehicles Pay-Go	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000
18 One Time Pay-Go	-	1,210,610	1,163,076	832,170	667,475	359,334	4,232,665
19 Grants and Other Funding Sources	-	1,395,214	909,000	6,615,675	1,435,500	1,543,500	11,898,889
20 5-Year Debt	-	-	320,141	-	-	-	320,141
21 15-Year Debt	3,000,000	1,312,606	8,876,650	871,650	-	2,697,200	16,758,106
22 20-Year Debt	-	-	-	-	-	-	-
23 Total	\$ 4,200,000	\$ 5,118,430	\$ 12,468,867	\$ 9,519,495	\$ 3,302,975	\$ 5,800,034	\$ 40,409,801

5-Year Sources of Funding



5-Year Uses by Department



*All Other departments consist of Administrative, Maintenance, Board of Elections, Emergency Services, Health, Housing, Parks & Recreation, Southwestern Community College, and Transit Services.

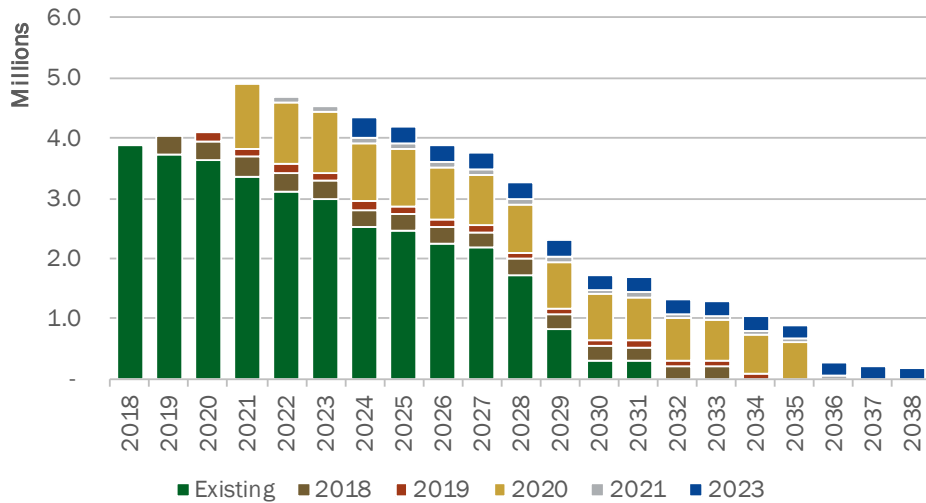


Existing and Proposed Tax Supported Debt Profile

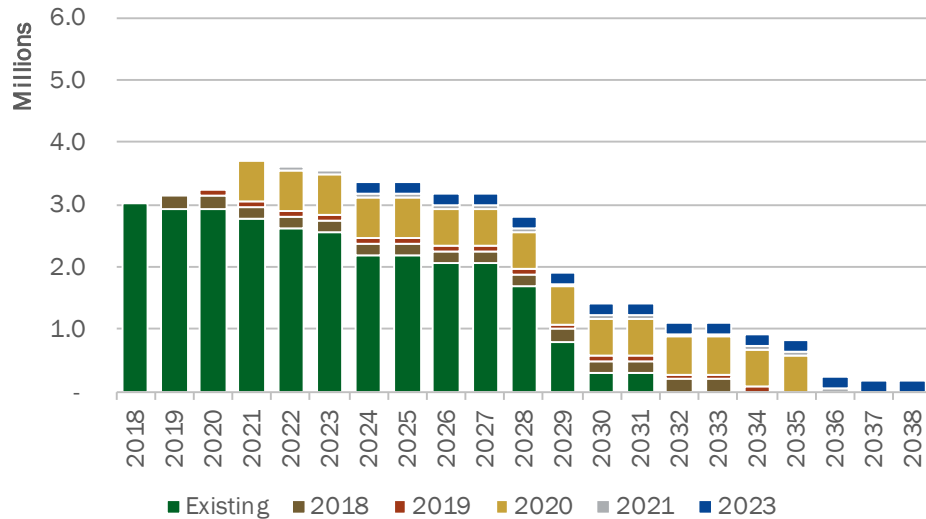


Existing and Proposed Debt Service

Existing and Proposed Debt Service



Existing and Proposed Principal



Assumptions

Debt Issuance Assumptions

- Issuance Date: Middle of Fiscal Year¹
- Interest Payment: Semi-Annually beginning the following FY¹
- Principal Payment: Annually beginning the following FY¹
- Amortization
 - 5-Year Debt: Level Debt Service
 - 15-Year Debt: Level Principal
- Interest Rate
 - 5-Year Debt: 3.00%
 - 15-Year Debt: 4.50%

Proposed Debt Issuance

Fiscal Year	5-Year Debt	15-Year Debt	Total
2018	-	3,000,000	3,000,000
2019	-	1,312,606	1,312,606
2020	320,141	8,876,650	9,196,791
2021	-	871,650	871,650
2022	-	-	-
2023	-	2,697,200	2,697,200
Total	\$ 320,141	\$ 16,758,106	\$ 17,078,247

Proposed Debt Service

Fiscal Year	5-Year Debt	15-Year Debt	Total
2018	-	4,046,250	4,046,250
2019	-	1,785,144	1,785,144
2020	349,521	12,072,244	12,421,765
2021	-	1,185,444	1,185,444
2022	-	-	-
2023	-	3,776,080	3,776,080
Total	\$ 349,521	\$ 22,865,162	\$ 23,214,683

¹The County currently anticipates funding for its South Macon School addition to occur in late FY 2018. For purposes of this analysis, we have assumed this specific debt issuance's first interest and principal payment to occur in December 2018. Principal is assumed to be paid semi-annually.



Key Debt Ratios: Existing and Proposed Debt

10-Year Payout



Debt to Assessed Value



Debt Service to Expenditures





Debt Affordability Analysis

Existing and Proposed Tax Supported Debt

Natural Tax Impact Approach

A	B	C	D	E	F	G	H	Revenue Available for DS										Debt Service Cash Flow Surplus (Deficit)				Y	Z		
								I	J	K	L	M	N	O	P	Q	R	S	T	U	V			W	X
FY	Existing Debt Service	CIP Debt Service	CIP Pay/Go Cash	Annual School Pay/Go	Annual Vehicle Pay/Go	CIP Operating Impact	Total	Debt Service Fund (General Fund)	Transfer to Debt Service Fund (Fund 21) ²	NC Lottery Funds	Debt Service Fund Revenues (FR/LT Sewer)	Revenues Available for One Time Capital	FY 18 County Pay Go ³	Budgeted School Pay-Go	Budgeted Vehicle Pay-Go	2010 QZAB Subsidy ⁴	2010 QSCB Subsidy ⁴	Other Revenues / Reserves Available	Total Revenues Available	Surplus/ (Deficit)	Revenue From Prior Tax Impact	Capital Reserve Utilized	Adjusted Surplus/ (Deficit)	Estimated Incremental Tax Equivalent	Capital Reserve Fund Balance ⁵
2018	3,886,114	-	900,000	600,000	600,000	-	5,986,114	1,266,351	1,867,166	300,000	43,576	300,000	900,000	600,000	600,000	47,112	361,913	-	6,286,118	300,003	-	-	300,003	-	1,047,085
2019	3,718,239	332,750	1,210,610	600,000	600,000	-	6,461,599	1,266,351	1,921,590	300,000	42,755	300,000	900,000	600,000	600,000	41,099	327,131	-	6,298,926	(162,673)	-	(162,673)	-	-	884,412
2020	3,628,421	470,324	1,163,076	600,000	600,000	-	6,461,822	1,266,351	1,940,806	300,000	41,934	300,000	900,000	600,000	600,000	35,010	291,766	-	6,275,866	(185,956)	-	(185,956)	-	-	698,457
2021	3,371,937	1,518,517	832,170	600,000	600,000	-	6,922,624	1,266,351	1,960,214	300,000	41,112	300,000	900,000	600,000	600,000	28,922	256,400	-	6,252,999	(669,625)	-	(669,625)	-	-	28,831
2022	3,120,928	1,576,283	667,475	600,000	600,000	-	6,564,687	1,266,351	1,979,816	300,000	40,291	300,000	900,000	600,000	600,000	22,833	221,035	-	6,230,325	(334,361)	-	(28,831)	(305,530)	0.37#	-
2023	2,985,436	1,534,100	359,334	600,000	600,000	-	6,078,871	1,266,351	1,999,614	300,000	39,470	300,000	900,000	600,000	600,000	16,744	185,669	-	6,207,848	128,977	308,585	-	437,562	-	437,562
2024	2,528,050	1,806,591	-	600,000	600,000	-	5,534,641	1,266,351	2,019,610	300,000	38,649	300,000	900,000	600,000	600,000	10,655	150,304	-	6,185,569	650,928	311,671	-	962,599	-	1,400,161
2025	2,449,848	1,755,418	-	600,000	600,000	-	5,405,266	1,266,351	2,039,806	300,000	37,828	300,000	900,000	600,000	600,000	4,567	114,938	-	6,163,490	758,224	314,788	-	1,073,012	-	2,473,173
2026	2,253,612	1,634,340	-	600,000	600,000	-	5,087,952	1,266,351	2,060,204	300,000	37,006	300,000	900,000	600,000	600,000	-	79,572	-	6,143,134	1,055,182	317,936	-	1,373,117	-	3,846,290
2027	2,183,271	1,583,167	-	600,000	600,000	-	4,966,437	1,266,351	2,080,806	300,000	36,185	300,000	900,000	600,000	600,000	-	44,207	-	6,127,549	1,161,112	321,115	-	1,482,227	-	5,328,517
2028	1,733,821	1,531,993	-	600,000	600,000	-	4,465,815	1,266,351	2,101,614	300,000	35,364	300,000	900,000	600,000	600,000	-	8,841	-	6,112,171	1,646,356	324,326	-	1,970,682	-	7,299,200
2029	815,592	1,480,820	-	600,000	600,000	-	3,496,411	1,266,351	2,122,630	300,000	34,543	300,000	900,000	600,000	600,000	-	-	-	6,123,524	2,627,113	327,569	-	2,954,682	-	10,253,882
2030	306,451	1,429,647	-	600,000	600,000	-	2,936,098	1,266,351	2,143,857	300,000	33,721	300,000	900,000	600,000	600,000	-	-	-	6,143,929	3,207,831	330,845	-	3,538,676	-	13,792,558
2031	303,844	1,378,473	-	600,000	600,000	-	2,882,317	1,266,351	2,165,295	300,000	32,900	300,000	900,000	600,000	600,000	-	-	-	6,164,546	3,282,229	334,154	-	3,616,383	-	17,408,941
2032	-	1,327,300	-	600,000	600,000	-	2,527,300	1,266,351	2,186,948	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,153,299	3,626,000	337,495	-	3,963,495	-	21,372,426
2033	-	1,276,126	-	600,000	600,000	-	2,476,126	1,266,351	2,208,818	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,175,169	3,699,042	340,870	-	4,039,912	-	25,412,348
2034	-	1,027,203	-	600,000	600,000	-	2,227,203	1,266,351	2,230,906	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,197,257	3,970,054	344,279	-	4,314,333	-	29,726,681
2035	-	897,523	-	600,000	600,000	-	2,097,523	1,266,351	2,253,215	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,219,566	4,122,043	347,722	-	4,469,765	-	34,196,446
2036	-	267,510	-	600,000	600,000	-	1,467,510	1,266,351	2,275,747	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,242,098	4,774,588	354,199	-	5,125,787	-	39,322,232
2037	-	197,795	-	600,000	600,000	-	1,397,795	1,266,351	2,298,505	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,264,856	4,867,061	354,711	-	5,221,772	-	44,544,004
2038	-	188,804	-	600,000	600,000	-	1,388,804	1,266,351	2,321,490	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,287,841	4,899,037	358,258	-	5,257,295	-	49,801,299
Total	33,285,565	23,214,683	5,132,665	12,600,000	12,600,000	-	86,832,914													Total	(1,047,085)		Total Tax Effect	0.37#	

¹2007 QZAB payment shown net of investment earnings. 2010 QZAB and 2010 QSCB shown gross of estimated federal subsidy.
²The transfer to the Debt Service Fund (Fund 21) represents Restricted Sales Tax Funds and assumes a 1% annual growth rate.
³The FY 2018 Budget includes \$900,000 for one time capital projects that include Radio Towers, a Detention Center and the Highland Recreation Center.
⁴Federal subsidies reduced by 7.05% due to sequestration for FY 2018 and 6.9% for subsequent fiscal years.
⁵The beginning Capital Reserve Fund Balance represents funds available in the County's Consolidated Capital Projects Fund that is reserved for schools.

Alternatively, the County could utilize \$305,530 of reserves or other revenues to avoid the estimated incremental tax equivalent impact.

- Value of a Penny in FY 2018: \$784,806
- Assumed Ad Valorem Tax Growth: 1.00%



Debt Affordability Analysis

Existing and Proposed Tax Supported Debt

Alternative Approach

A	B	C	D	E	F	G	H	Debt Service Requirements										Revenue Available for DS										Debt Service Cash Flow Surplus (Deficit)					Y	Z
								Existing Debt Service	CIP Debt Service	CIP Pay/Go Cash	Annual School Pay/Go	Annual Vehicle Pay/Go	CIP Operating Impact	Total	Debt Service Fund (General Fund)	Transfer to Debt Service Fund (Fund 21) ²	NC Lottery Funds	Debt Service Fund Revenues (FR/LT Sewer)	Revenues Available for One Time Capital	FY 18 County Pay Go ³	Budgeted School Pay-Go	Budgeted Vehicle Pay-Go	2010 QZAB Subsidy ⁴	2010 QSCB Subsidy ⁴	Other Revenues / Reserves Available	Total Revenues Available	Surplus/(Deficit)	Revenue From Prior Tax Impact	Capital Reserve Utilized	Adjusted Surplus/(Deficit)	Estimated Incremental Tax Equivalent	Capital Reserve Fund Balance ⁵		
2018	3,886,114	-	900,000	600,000	600,000	-	5,986,114	1,266,351	1,867,166	300,000	43,576	300,000	900,000	600,000	600,000	47,112	361,913	-	6,286,118	300,003	-	-	300,003	-	-	-	1,047,085							
2019	3,718,239	332,750	1,210,610	600,000	600,000	-	6,461,599	1,266,351	1,921,590	300,000	42,755	300,000	900,000	600,000	600,000	41,099	327,131	-	6,298,926	(162,673)	-	(162,673)	-	-	-	884,412								
2020	3,628,421	470,324	1,163,076	600,000	600,000	-	6,461,822	1,266,351	1,940,806	300,000	41,934	300,000	900,000	600,000	600,000	35,010	291,766	-	6,275,866	(185,956)	-	(185,956)	-	-	-	698,457								
2021	3,371,937	1,518,517	832,170	600,000	600,000	-	6,922,624	1,266,351	1,960,214	300,000	41,112	300,000	900,000	600,000	600,000	28,922	256,400	-	6,252,999	(669,625)	-	(669,625)	-	-	-	28,831								
2022	3,120,928	1,576,283	667,475	600,000	600,000	-	6,564,687	1,266,351	1,979,816	300,000	40,291	300,000	900,000	600,000	600,000	22,833	221,035	305,530	6,535,855	(28,831)	-	(28,831)	-	-	-	-								
2023	2,985,436	1,534,100	359,334	600,000	600,000	-	6,078,871	1,266,351	1,999,614	300,000	39,470	300,000	900,000	600,000	600,000	16,744	185,669	-	6,207,848	128,977	-	-	128,977	-	-	128,977								
2024	2,528,050	1,806,591	-	600,000	600,000	-	5,534,641	1,266,351	2,019,610	300,000	38,649	300,000	900,000	600,000	600,000	10,655	150,304	-	6,185,569	650,928	-	-	650,928	-	-	779,905								
2025	2,449,848	1,755,418	-	600,000	600,000	-	5,405,266	1,266,351	2,039,806	300,000	37,828	300,000	900,000	600,000	600,000	4,567	114,938	-	6,163,490	758,224	-	-	758,224	-	-	1,538,129								
2026	2,253,612	1,634,340	-	600,000	600,000	-	5,087,952	1,266,351	2,060,204	300,000	37,006	300,000	900,000	600,000	600,000	-	79,572	-	6,143,134	1,055,182	-	-	1,055,182	-	-	2,593,311								
2027	2,183,271	1,583,167	-	600,000	600,000	-	4,966,437	1,266,351	2,080,806	300,000	36,185	300,000	900,000	600,000	600,000	-	44,207	-	6,127,549	1,161,112	-	-	1,161,112	-	-	3,754,422								
2028	1,733,821	1,531,993	-	600,000	600,000	-	4,465,815	1,266,351	2,101,614	300,000	35,364	300,000	900,000	600,000	600,000	-	8,841	-	6,112,171	1,646,356	-	-	1,646,356	-	-	5,400,778								
2029	815,592	1,480,820	-	600,000	600,000	-	3,496,413	1,266,351	2,122,630	300,000	34,543	300,000	900,000	600,000	600,000	-	-	-	6,123,524	2,627,113	-	-	2,627,113	-	-	8,027,891								
2030	306,451	1,429,647	-	600,000	600,000	-	2,936,098	1,266,351	2,143,857	300,000	33,721	300,000	900,000	600,000	600,000	-	-	-	6,143,929	3,207,831	-	-	3,207,831	-	-	11,235,722								
2031	303,844	1,378,473	-	600,000	600,000	-	2,882,317	1,266,351	2,165,295	300,000	32,900	300,000	900,000	600,000	600,000	-	-	-	6,164,546	3,282,229	-	-	3,282,229	-	-	14,517,952								
2032	-	1,327,300	-	600,000	600,000	-	2,527,300	1,266,351	2,186,948	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,153,299	3,626,000	-	-	3,626,000	-	-	18,143,951								
2033	-	1,276,126	-	600,000	600,000	-	2,476,126	1,266,351	2,208,818	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,175,169	3,699,042	-	-	3,699,042	-	-	21,842,994								
2034	-	1,027,203	-	600,000	600,000	-	2,227,203	1,266,351	2,230,906	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,197,257	3,970,054	-	-	3,970,054	-	-	25,813,048								
2035	-	897,523	-	600,000	600,000	-	2,097,523	1,266,351	2,253,215	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,219,566	4,122,043	-	-	4,122,043	-	-	29,935,091								
2036	-	267,510	-	600,000	600,000	-	1,467,510	1,266,351	2,275,747	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,242,098	4,774,588	-	-	4,774,588	-	-	34,709,679								
2037	-	197,795	-	600,000	600,000	-	1,397,795	1,266,351	2,298,505	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,264,856	4,867,061	-	-	4,867,061	-	-	39,576,740								
2038	-	188,804	-	600,000	600,000	-	1,388,804	1,266,351	2,321,490	300,000	-	300,000	900,000	600,000	600,000	-	-	-	6,287,841	4,899,037	-	-	4,899,037	-	-	44,475,776								
Total	33,285,565	23,214,683	5,132,665	12,600,000	12,600,000	-	86,832,914												305,530	Total			(1,047,085)			Total Tax Effect	0.00%							

¹2007 QZAB payment shown net of investment earnings. 2010 QZAB and 2010 QSCB shown gross of estimated federal subsidy.
²The transfer to the Debt Service Fund (Fund 21) represents Restricted Sales Tax Funds and assumes a 1% annual growth rate.
³The FY 2018 Budget includes \$900,000 for one time capital projects that include Radio Towers, a Detention Center and the Highland Recreation Center.
⁴Federal subsidies reduced by 7.05% due to sequestration for FY 2018 and 6.9% for subsequent fiscal years.
⁵The beginning Capital Reserve Fund Balance represents funds available in the County's Consolidated Capital Projects Fund that is reserved for schools.

- Value of a Penny in FY 2018: \$784,806
- Assumed Ad Valorem Tax Growth: 1.00%



Key Next Steps



CIP Development Process – Next Steps

- Distribute Project Request Document to Department Heads, including guidelines for qualifying capital projects.
- Department Heads provide list of capital needs to County Management / Finance Department.
- Department Head requests summarized and reviewed in conjunction with Debt / Capacity / Affordability.
- Capital needs reviewed and discussed with Department Heads.
- Capital needs reviewed in conjunction with initial Debt Capacity / Debt Affordability Analysis.
- Capital needs prioritized, funding sources identified, and initial 5-Year CIP developed.
- CIP and Debt Capacity / Debt Affordability analysis reviewed with the County Board and revised as necessary based upon feedback provided by County Board.
- CIP formally presented to County Board and revised as necessary.
- CIP finalized and adopted by County Board.



Appendix A

Existing Tax Supported Debt



Tax Supported Debt

Total Tax Supported Debt Service

FY	Principal	Interest	Total
Total	28,402,966	4,882,599	33,285,565
2018	3,018,890	867,224	3,886,114
2019	2,941,692	776,547	3,718,239
2020	2,941,692	686,729	3,628,421
2021	2,775,026	596,912	3,371,937
2022	2,608,359	512,569	3,120,928
2023	2,555,564	429,872	2,985,436
2024	2,179,436	348,614	2,528,050
2025	2,179,436	270,412	2,449,848
2026	2,059,436	194,176	2,253,612
2027	2,059,436	123,834	2,183,271
2028	1,680,328	53,493	1,733,821
2029	801,221	14,371	815,592
2030	301,221	5,231	306,451
2031	301,229	2,615	303,844

IPCs / LOBs / COPs

FY	Principal	Interest	Total
Total	28,402,966	4,882,599	33,285,565
2018	3,018,890	867,224	3,886,114
2019	2,941,692	776,547	3,718,239
2020	2,941,692	686,729	3,628,421
2021	2,775,026	596,912	3,371,937
2022	2,608,359	512,569	3,120,928
2023	2,555,564	429,872	2,985,436
2024	2,179,436	348,614	2,528,050
2025	2,179,436	270,412	2,449,848
2026	2,059,436	194,176	2,253,612
2027	2,059,436	123,834	2,183,271
2028	1,680,328	53,493	1,733,821
2029	801,221	14,371	815,592
2030	301,221	5,231	306,451
2031	301,229	2,615	303,844



IPCs / LOBs / COPs

\$5,000,000

2005 IPC (BB&T)

FY	Coupon	Principal	Interest	Total
Total		1,166,667	51,100	1,217,767
2018	2.190%	333,333	23,725	357,058
2019	2.190%	333,333	16,425	349,758
2020	2.190%	333,333	9,125	342,458
2021	2.190%	166,667	1,825	168,492
2022	-	-	-	-
2023	-	-	-	-
2024	-	-	-	-
2025	-	-	-	-
2026	-	-	-	-
2027	-	-	-	-
2028	-	-	-	-
2029	-	-	-	-
2030	-	-	-	-
2031	-	-	-	-

\$2,000,000

2007 QZAB (BofA)

FY	Coupon	Principal	Interest	Total
Total		580,742	-	580,742
2018	0.000%	105,589	-	105,589
2019	0.000%	105,589	-	105,589
2020	0.000%	105,589	-	105,589
2021	0.000%	105,589	-	105,589
2022	0.000%	105,589	-	105,589
2023	0.000%	52,795	-	52,795
2024	-	-	-	-
2025	-	-	-	-
2026	-	-	-	-
2027	-	-	-	-
2028	-	-	-	-
2029	-	-	-	-
2030	-	-	-	-
2031	-	-	-	-

\$2,600,000

2007 IPC (BB&T)

FY	Coupon	Principal	Interest	Total
Total		1,040,000	83,982	1,123,982
2018	2.490%	173,333	24,817	198,150
2019	2.490%	173,333	20,501	193,834
2020	2.490%	173,333	16,185	189,518
2021	2.490%	173,333	11,869	185,202
2022	2.490%	173,333	7,553	180,886
2023	2.490%	173,333	3,057	176,390
2024	-	-	-	-
2025	-	-	-	-
2026	-	-	-	-
2027	-	-	-	-
2028	-	-	-	-
2029	-	-	-	-
2030	-	-	-	-
2031	-	-	-	-

Dated Date: 7/29/2005

Next Call: Current

Purpose: Library/ CC

Insurance: n/a

Coupon Dates: Jan 29 / Jul 29

Maturity Date: Jan 29 / Jul 29

Note: From LGC Bond Ledger

Dated Date: 12/13/2007

Next Call: n/a

Purpose: East Franklin School

Insurance: n/a

Coupon Dates: Jun 13 / Dec 13

Maturity Date: Jun 13 / Dec 13

Note: From LGC Bond Ledger. Shown net of investment earnings.

Dated Date: 12/14/2007

Next Call: Current

Purpose: School

Insurance: n/a

Coupon Dates: Jan 14 / Jul 14

Maturity Date: Jan 14 / Jul 14

Source: LGC Bond Ledger

Note: Final Maturity is shortened 1 month to 12/14/2022 per the LGC Bond Ledger.



IPCs / LOBs / COPs

\$2,043,250 2009 Note Payable (NC DENR)

FY	Coupon	Principal	Interest	Total
Total		1,430,275	274,613	1,704,888
2018	2.560%	102,163	36,615	138,778
2019	2.560%	102,163	34,000	136,162
2020	2.560%	102,163	31,384	133,547
2021	2.560%	102,163	28,769	130,931
2022	2.560%	102,163	26,154	128,316
2023	2.560%	102,163	23,538	125,701
2024	2.560%	102,163	20,923	123,085
2025	2.560%	102,163	18,308	120,470
2026	2.560%	102,163	15,692	117,855
2027	2.560%	102,163	13,077	115,239
2028	2.560%	102,163	10,461	112,624
2029	2.560%	102,163	7,846	110,009
2030	2.560%	102,163	5,231	107,393
2031	2.560%	102,163	2,615	104,778

Dated Date: 9/1/2009 Next Call: n/a
 Purpose: Sewer Insurance: unknown
 Coupon Dates: May 1 / Nov. 1 Maturity Date: May 1
 Source: LGC Bond Ledger
 Note: 2017 CAFR indicates 9/1/2009 dated date. Secured by water lines.

\$1,800,000 2010 QZAB (BB&T)

FY	Coupon	Principal	Interest	Total
Total		960,000	267,240	1,227,240
2018	6.550%	120,000	60,915	180,915
2019	6.550%	120,000	53,055	173,055
2020	6.550%	120,000	45,195	165,195
2021	6.550%	120,000	37,335	157,335
2022	6.550%	120,000	29,475	149,475
2023	6.550%	120,000	21,615	141,615
2024	6.550%	120,000	13,755	133,755
2025	6.550%	120,000	5,895	125,895
2026		-	-	-
2027		-	-	-
2028		-	-	-
2029		-	-	-
2030		-	-	-
2031		-	-	-

Dated Date: 6/18/2010 Next Call: Current
 Purpose: Schools Insurance: n/a
 Coupon Dates: Jun 18 / Dec 18 Maturity Date: Jun 18 / Dec 18
 Note: From LGC Bond Ledger. Shown gross of Federal Subsidy. Assumed to be a Tax Credit subsidy dated on 6/18/10 equal to 5.45%.

\$12,889,667 2010 QSCB (BB&T)

FY	Coupon	Principal	Interest	Total
Total		7,961,265	2,403,904	10,365,169
2018	5.490%	758,216	426,667	1,184,883
2019	5.490%	758,216	385,041	1,143,257
2020	5.490%	758,216	343,415	1,101,631
2021	5.490%	758,216	301,789	1,060,005
2022	5.490%	758,216	260,163	1,018,378
2023	5.490%	758,216	218,537	976,752
2024	5.490%	758,216	176,911	935,126
2025	5.490%	758,216	135,285	893,500
2026	5.490%	758,216	93,659	851,874
2027	5.490%	758,216	52,033	810,248
2028	5.490%	379,108	10,407	389,514
2029		-	-	-
2030		-	-	-
2031		-	-	-

Dated Date: 10/12/2010 Next Call: Current
 Purpose: IOTLA Elem Insurance: n/a
 Coupon Dates: Apr 12 / Oct 12 Maturity Date: Apr 12 / Oct 12
 Note: From LGC Bond Ledger. Shown gross of Federal Subsidy. Assumed to be a Tax Credit subsidy dated on 10/12/10 equal to 5.02%. 2017 CAFR shows a final maturity of 10/12/2028.



IPCs / LOBs / COPs

\$8,500,000

2012 IPC (BB&T)

FY	Coupon	Principal	Interest	Total
Total		6,109,375	956,728	7,066,103
2018	2.610%	531,250	155,988	687,238
2019	2.610%	531,250	142,123	673,373
2020	2.610%	531,250	128,257	659,507
2021	2.610%	531,250	114,391	645,641
2022	2.610%	531,250	100,526	631,776
2023	2.610%	531,250	86,660	617,910
2024	2.610%	531,250	72,795	604,045
2025	2.610%	531,250	58,929	590,179
2026	2.610%	531,250	45,063	576,313
2027	2.610%	531,250	31,198	562,448
2028	2.610%	531,250	17,332	548,582
2029	2.610%	265,625	3,466	269,091
2030		-	-	-
2031		-	-	-

\$7,265,625

2013 IPC (BB&T)

FY	Coupon	Principal	Interest	Total
Total		5,390,625	844,172	6,234,797
2018	2.610%	468,750	137,637	606,387
2019	2.610%	468,750	125,402	594,152
2020	2.610%	468,750	113,168	581,918
2021	2.610%	468,750	100,934	569,684
2022	2.610%	468,750	88,699	557,449
2023	2.610%	468,750	76,465	545,215
2024	2.610%	468,750	64,230	532,980
2025	2.610%	468,750	51,996	520,746
2026	2.610%	468,750	39,762	508,512
2027	2.610%	468,750	27,527	496,277
2028	2.610%	468,750	15,293	484,043
2029	2.610%	234,375	3,059	237,434
2030		-	-	-
2031		-	-	-

\$374,000

2013 IPC

FY	Coupon	Principal	Interest	Total
Total		77,198	860	78,058
2018	1.570%	77,198	860	78,058
2019		-	-	-
2020		-	-	-
2021		-	-	-
2022		-	-	-
2023		-	-	-
2024		-	-	-
2025		-	-	-
2026		-	-	-
2027		-	-	-
2028		-	-	-
2029		-	-	-
2030		-	-	-
2031		-	-	-

Dated Date: [12/18/2012](#) Next Call: [Current](#)
 Purpose: [Refinance 08 IPC for Schools](#) Insurance: [n/a](#)
 Coupon Dates: [Jan 18 / Jul 18](#) Maturity Date: [Jan 18 / Jul 18](#)
 Source: LGC Bond Ledger.
 Note: 2017 Audit aggregates 2012 & 2013 BB&T IPCs. Partial refunding of 2008 IPC for schools. 2017 Audit shows \$11,500,000 of outstanding principal on 2008 IPC.

Dated Date: [1/18/2013](#) Next Call: [Current](#)
 Purpose: [Refinance 08 IPC for Schools](#) Insurance: [n/a](#)
 Coupon Dates: [Jan 18 / Jul 18](#) Maturity Date: [Jan 18 / Jul 18](#)
 Source: LGC Bond Ledger.
 Note: 2017 Audit aggregates 2012 & 2013 BB&T IPCs. Partial refunding of 2008 IPC for schools. 2017 Audit shows \$11,500,000 of outstanding principal on 2008 IPC.

Dated Date: [3/13/2013](#) Next Call: [Unknown](#)
 Purpose: [Defibrillators](#) Insurance: [Unknown](#)
 Coupon Dates: [Unknown](#) Maturity Date: [Unknown](#)
 Note: Interpolated from 2017 CAFR.



IPCs / LOBs / COPs

\$1,500,000

2013 QZAB (BB&T)

FY	Coupon	Principal	Interest	Total
Total		900,000	-	900,000
2018	0.000%	150,000	-	150,000
2019	0.000%	150,000	-	150,000
2020	0.000%	150,000	-	150,000
2021	0.000%	150,000	-	150,000
2022	0.000%	150,000	-	150,000
2023	0.000%	150,000	-	150,000
2024		-	-	-
2025		-	-	-
2026		-	-	-
2027		-	-	-
2028		-	-	-
2029		-	-	-
2030		-	-	-
2031		-	-	-

Dated Date: 4/1/2013

Next Call: n/a

Purpose: Highlands School
Renovation

Insurance: n/a

Coupon Dates: Apr 26

Maturity Date: Apr 26

Source: LGC Bond Ledger.

\$2,985,878

2015 QZAB (BB&T)

FY	Coupon	Principal	Interest	Total
Total		2,786,820	-	2,786,820
2018	0.000%	199,058	-	199,058
2019	0.000%	199,058	-	199,058
2020	0.000%	199,058	-	199,058
2021	0.000%	199,058	-	199,058
2022	0.000%	199,058	-	199,058
2023	0.000%	199,058	-	199,058
2024	0.000%	199,058	-	199,058
2025	0.000%	199,058	-	199,058
2026	0.000%	199,058	-	199,058
2027	0.000%	199,058	-	199,058
2028	0.000%	199,058	-	199,058
2029	0.000%	199,058	-	199,058
2030	0.000%	199,058	-	199,058
2031	0.000%	199,066	-	199,066

Dated Date: 8/1/2015

Next Call: n/a

Purpose: Highlands School &
Union Academy

Insurance: n/a

Coupon Dates: Aug 1

Maturity Date: Aug 1

Source: LGC Bond Ledger.

Note: Bond Ledger shows a 4.76% interest rate & a 2.73% subsidy.

2017 CAFR, 2018 Budget and LGC Agenda show as a 0% net interest rate.



Appendix B

CIP Overview and Detailed Project Sheets



Summary of Capital Projects by Department with Detail

Management Adjusted CIP Projects – Page 1 of 2

Department	2018	2019	2020	2021	2022	2023	FY 2018-2023	2024	2025	2026	2027	2028	FY 2024-2028	Grand Total
Administrative														
Space Needs Study	\$ 300,000						\$ 300,000						\$ -	\$ 300,000
Total Administrative	300,000						300,000						-	300,000
Maintenance														
Light Replacement			175,680				175,680						-	175,680
Total Maintenance			175,680				175,680						-	175,680
Airport														
Runway 25 Extended Safety Area and Lights		1,350,000					1,350,000						-	1,350,000
Hanagr Development			1,010,000	2,100,000	880,000		3,990,000						-	3,990,000
1,000 Foot Runway Extension				4,950,000	195,000	1,715,000	6,860,000	2,280,000					2,280,000	9,140,000
Road Relocation					520,000		520,000						-	520,000
Airport Gross Project Cost		1,350,000	1,010,000	7,050,000	1,595,000	1,715,000	12,720,000	2,280,000					2,280,000	15,000,000
Airports - Other Funding		(1,215,000)	(909,000)	(6,345,000)	(1,435,500)	(1,543,500)	(11,448,000)	(2,052,000)					(2,052,000)	(13,500,000)
Airport Net Project Cost		135,000	101,000	705,000	159,500	171,500	1,272,000	228,000					228,000	1,500,000
Vehicles														
Vehicle Replacement	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	600,000	600,000	600,000	600,000	600,000	3,000,000	6,600,000
Total Vehicles	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	600,000	600,000	600,000	600,000	600,000	3,000,000	6,600,000
Board of Elections														
Voting Machines ¹			181,115				181,115						-	181,115
Total Board of Elections			181,115				181,115						-	181,115
Social Services														
Crawford Senior Center Expansion ¹			8,876,650				8,876,650						-	8,876,650
Total Social Services			8,876,650				8,876,650						-	8,876,650
Emergency Services														
Emergency Radio Communications System		200,000					200,000		150,000				150,000	350,000
Ambulance Replacement			320,141		320,141		640,282	320,141		320,141			640,282	1,280,564
Total Emergency Services		200,000	320,141		320,141		840,282	320,141	150,000	320,141			790,282	1,630,564
Macon County Schools														
Annual School Technology	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	300,000	300,000	300,000	300,000	300,000	1,500,000	3,300,000
Annual School Capital Outlay	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	300,000	300,000	300,000	300,000	300,000	1,500,000	3,300,000
Franklin High School							-					60,000,000	60,000,000	60,000,000
Macon Middle School Renovation						2,697,200	2,697,200						-	2,697,200
South Macon Addition	3,000,000						3,000,000						-	3,000,000
Total Macon County Schools	3,600,000	600,000	600,000	600,000	600,000	3,297,200	9,297,200	600,000	600,000	600,000	600,000	60,600,000	63,000,000	72,297,200

¹ Other Funding Sources were not included to offset capital costs for the Voting Machines or the Crawford Senior Center Expansion although grants, donations and other funding options are being explored.



Summary of Capital Projects by Department with Detail

Management Adjusted CIP Projects – Page 2 of 2

Department	2018	2019	2020	2021	2022	2023	FY 2018-2023	2024	2025	2026	2027	2028	FY 2024-2028	Grand Total
43 Health														
44 New Health Annex / Existing Facility Renovation							-					5,117,800	5,117,800	5,117,800
45 Animal Services Expansion							-				481,212		481,212	481,212
46 Molar Roller Replacement							-	640,000					640,000	640,000
47 Health Gross Project Cost							-	640,000			481,212	5,117,800	6,239,012	6,239,012
48 Molar Roller Replacement - Other Funding							-	(100,000)					(100,000)	(100,000)
49 Health Net Project Cost							-	540,000			481,212	5,117,800	6,139,012	6,139,012
51 Housing														
52 Housing Department Office & Shop				166,650			166,650						-	166,650
53 Total Housing				166,650			166,650							166,650
54 Information Technology														
55 Backup and Archival		160,000					160,000							160,000
56 Data Storage				418,600			418,600		418,600				418,600	837,200
57 Host Upgrade			110,000				110,000	110,000	110,000				220,000	330,000
58 Network Switch and Router Refresh		137,500	137,500				275,000	150,000	150,000				300,000	575,000
59 Host OS and SQL		207,781	207,781	207,781	187,834	187,834	999,011	187,834	187,834	187,834	187,834	187,834	939,170	1,938,181
60 Security and Access Control, and Fire Panel Refresh				175,714			175,714							175,714
61 Total Information Technology		505,281	455,281	802,095	187,834	187,834	2,138,325	447,834	866,434	187,834	187,834	187,834	1,877,770	4,016,095
62 Parks & Recreation														
63 Veterans Memorial and Industrial Park Improvements							-				1,020,000		1,020,000	1,020,000
64 Zachary Park Improvements			250,000				250,000						-	250,000
65 Total Parks & Recreation			250,000				250,000				1,020,000		1,020,000	1,270,000
66 Southwestern Community College														
67 Public Safety Training Fire Burn Building		2,712,606					2,712,606						-	2,712,606
68 Public Safety Training Fire Burn Building - Other Funding		(1,400,000)					(1,400,000)							(1,400,000)
69 SCC Public Safety Training Center Classroom Building											9,410,000		9,410,000	9,410,000
70 Public Safety Training Indoor Firing Range												7,897,000	7,897,000	7,897,000
71 Macon Campus Science Building												8,696,000	8,696,000	8,696,000
72 Total Southwestern Community College		1,312,606					1,312,606				9,410,000	16,593,000	26,003,000	27,315,606
73 Transit Services														
74 MCT Facility Expansion and Parking Lot		250,543		300,750			551,293							551,293
75 Transit Gross Project Cost		250,543		300,750			551,293							551,293
76 MCT Facility Expansion and Parking Lot - Grant Funding				(270,675)			(450,889)							(450,889)
77 Transit Net Project Cost		70,329		30,075			100,404							100,404
78 Total Gross Project Cost		\$ 5,118,430	\$ 12,468,867	\$ 9,519,495	\$ 3,302,975	\$ 5,800,034	\$ 40,409,801	\$ 4,887,975	\$ 2,216,434	\$ 1,707,975	\$ 12,299,046	\$ 83,098,634	\$ 104,210,064	\$ 144,619,865
79 Total Net Project Cost		\$ 4,200,000	\$ 3,723,216	\$ 11,559,867	\$ 2,903,820	\$ 1,867,475	\$ 4,256,534	\$ 28,510,912	\$ 2,735,975	\$ 2,216,434	\$ 1,707,975	\$ 12,299,046	\$ 83,098,634	\$ 102,058,064
80 Cumulative Net Project Cost		\$ 4,200,000	\$ 7,923,216	\$ 19,483,083	\$ 22,386,903	\$ 24,254,378	\$ 28,510,912	\$ 31,246,887	\$ 33,463,321	\$ 35,171,296	\$ 47,470,342	\$ 130,568,976		



Summary of Capital Projects Submitted by Departments

By Department

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
1											
2 Vehicles	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	6,000,000
3 Board of Elections ¹	-	181,115	-	-	-	-	-	-	-	-	181,115
4 Social Services ¹	8,876,650	-	-	-	-	-	-	-	-	-	8,876,650
5 Emergency Services	200,000	320,141	-	320,141	-	320,141	150,000	320,141	-	-	1,630,564
6 Macon County Schools	48,727,202	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	54,127,202
7 Health	4,295,000	1,844,012	-	-	-	-	-	-	-	-	6,139,012
8 Housing	166,650	-	-	-	-	-	-	-	-	-	166,650
9 Information Technology	1,323,910	582,696	884,004	189,545	189,545	880,415	748,145	212,253	189,545	189,545	5,389,603
10 Parks & Recreation	420,000	-	1,020,000	-	-	-	-	-	-	-	1,440,000
11 Southwestern Community College	575,780	8,860,000	7,747,000	550,000	150,000	-	8,096,000	-	-	600,000	26,578,780
12 Tax Assessment/Collections/Appraisal/Land Records	-	592,000	195,000	25,000	35,000	-	-	-	-	-	847,000
13 Transit Services	70,329	-	30,075	-	-	-	-	-	-	-	100,404
14											
15 Total	65,255,521	13,579,964	11,076,079	2,284,686	1,574,545	2,400,556	10,194,145	1,732,394	1,389,545	1,989,545	111,476,980
16 Cumulative Total	65,255,521	78,835,485	89,911,564	92,196,250	93,770,795	96,171,351	106,365,496	108,097,890	109,487,435	111,476,980	

¹ Other Funding Sources were not included to offset capital costs for the Voting Machines or the Crawford Senior Center Expansion although grants, donations and other funding options are being explored.



Summary of Capital Projects Submitted by Departments

By Department with Project Detail

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Vehicles											
Vehicle Replacement	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	6,000,000
Total Vehicles	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	6,000,000
Board of Elections											
Voting Machines ¹	-	181,115	-	-	-	-	-	-	-	-	181,115
Total Board of Elections	-	181,115	-	-	-	-	-	-	-	-	181,115
Social Services											
Crawford Senior Center Expansion ¹	8,876,650	-	-	-	-	-	-	-	-	-	8,876,650
Total Social Services	8,876,650	-	-	-	-	-	-	-	-	-	8,876,650
Emergency Services											
Emergency Radio Communications System	200,000	-	-	-	-	-	150,000	-	-	-	350,000
Ambulance Replacement	-	320,141	-	320,141	-	320,141	-	320,141	-	-	1,280,564
Total Emergency Services	200,000	320,141	-	320,141	-	320,141	150,000	320,141	-	-	1,630,564
Macon County Schools											
Annual School Technology	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Annual School Capital Outlay	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
Franklin High School	42,981,440	-	-	-	-	-	-	-	-	-	42,981,440
Macon Middle School Renovation	2,697,200	-	-	-	-	-	-	-	-	-	2,697,200
South Macon Addition	2,448,562	-	-	-	-	-	-	-	-	-	2,448,562
Total Macon County Schools	48,727,202	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	54,127,202
Health											
New Health Annex / Existing Facility Renovation	4,295,000	822,800	-	-	-	-	-	-	-	-	5,117,800
Animal Services Expansion	-	481,212	-	-	-	-	-	-	-	-	481,212
Molar Roller Replacement	-	640,000	-	-	-	-	-	-	-	-	640,000
Molar Roller Replacement - Other Funding	-	(100,000)	-	-	-	-	-	-	-	-	(100,000)
Total Health	4,295,000	1,844,012	-	-	-	-	-	-	-	-	6,139,012
Housing											
Housing Department Office & Shop	166,650	-	-	-	-	-	-	-	-	-	166,650
Total Housing	166,650	-	-	-	-	-	-	-	-	-	166,650
Information Technology											
Backup and Archival	190,344	-	-	-	-	-	-	-	-	-	190,344
Data Storage	-	-	418,600	-	-	-	418,600	-	-	-	837,200
Host Upgrade	140,000	140,000	-	-	-	140,000	140,000	-	-	-	560,000
Network Switch and Router Refresh	299,850	-	22,708	-	-	299,850	-	22,708	-	-	645,116
Host OS and SQL	442,696	442,696	442,696	189,545	189,545	189,545	189,545	189,545	189,545	189,545	2,654,903
Security and Access Control, and Fire Panel Refresh	251,020	-	-	-	-	251,020	-	-	-	-	502,040
Total Information Technology	1,323,910	582,696	884,004	189,545	189,545	880,415	748,145	212,253	189,545	189,545	5,389,803
Parks & Recreation											
Robert C. Carpenter Building Roof	170,000	-	-	-	-	-	-	-	-	-	170,000
Veterans Memorial and Industrial Park Improvements	-	-	1,020,000	-	-	-	-	-	-	-	1,020,000
Zachary Park Improvements	250,000	-	-	-	-	-	-	-	-	-	250,000
Total Parks & Recreation	420,000	-	1,020,000	-	-	-	-	-	-	-	1,440,000
Southwestern Community College											
Public Safety Training Fire Burn Building	575,780	-	-	-	-	-	-	-	-	-	575,780
SCC Public Safety Training Center Classroom Building	-	8,860,000	-	550,000	-	-	-	-	-	-	9,410,000
Public Safety Training Indoor Firing Range	-	-	7,747,000	-	150,000	-	-	-	-	-	7,897,000
Macon Campus Science Building	-	-	-	-	-	-	8,096,000	-	-	600,000	8,696,000
Total Southwestern Community College	575,780	8,860,000	7,747,000	550,000	150,000	-	8,096,000	-	-	600,000	26,578,780
Tax Assessment/Collections/Appraisal/Land Records											
Tax Billing & Collection / Appraisal Software	-	592,000	135,000	-	-	-	-	-	-	-	727,000
2023 Revaluation	-	-	60,000	25,000	35,000	-	-	-	-	-	120,000
Total Tax Assessment/Collections/Appraisal/Land Records	-	592,000	195,000	25,000	35,000	-	-	-	-	-	847,000
Transit Services											
MCT Facility Expansion and Parking Lot	250,543	-	300,750	-	-	-	-	-	-	-	551,293
MCT Facility Expansion and Parking Lot - Grant Funding	(180,214)	-	(270,675)	-	-	-	-	-	-	-	(450,889)
Total Transit Services	70,329	-	30,075	-	-	-	-	-	-	-	100,404
Total	65,255,521	13,579,964	11,076,079	2,284,686	1,574,545	2,400,556	10,194,145	1,732,394	1,389,545	1,989,545	111,476,980
Cumulative Total	65,255,521	78,835,485	89,911,564	92,196,250	93,770,795	96,171,351	106,365,496	108,097,890	109,487,435	111,476,980	

¹ Other Funding Sources were not included to offset capital costs for the Voting Machines or the Crawford Senior Center Expansion although grants, donations and other funding options are being explored.



Summary of Operating Impacts of Capital Projects

By Department

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
1											
2 Vehicles											
3 Total Board of Elections ¹	-	-	-	-	-	-	-	-	-	-	-
4 Total Social Services	126,257	-	-	-	-	-	-	-	-	-	126,257
5 Total Emergency Services	-	-	-	-	-	-	-	-	-	-	-
6 Total Macon County Schools	-	-	-	-	-	-	-	-	-	-	-
7 Total Health	-	(18,000)	(30,000)	(30,000)	(30,000)	(33,000)	(33,000)	(33,000)	(33,000)	(33,000)	(273,000)
8 Total Housing	-	-	-	-	-	-	-	-	-	-	-
9 Total Information Technology	6,533	4,894	8,627	9,894	20,704	39,437	4,894	14,437	15,704	40,704	165,830
10 Total Parks & Recreation	-	-	(5,000)	-	-	-	-	-	-	-	(5,000)
11 Total Southwestern Community College	52,636	53,689	54,762	218,460	371,014	378,434	386,003	393,723	401,597	569,058	2,879,377
12 Total Tax Assessment/Collections/Appraisal/Land Record:	-	220,000	406,000	431,000	431,000	406,000	406,000	431,000	431,000	281,000	3,443,000
13 Total Transit Services	1,100	-	200	13	-	-	-	-	-	-	1,313
14											
15 Total	186,526	260,583	434,590	629,367	792,718	790,871	763,897	806,160	815,301	857,762	6,337,776
16 Cumulative Total	186,526	447,109	881,699	1,511,066	2,303,784	3,094,655	3,858,552	4,664,713	5,480,014	6,337,776	

¹ The Board of Elections Department request for the Voting Machines project included a one time operating expense of \$181,115. This one time operating expense equals the capital expense from the prior year. Should this number be included?



Summary of Operating Impacts of Capital Projects

By Department with Project Detail

Department	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total	
1												
2	Vehicles											
3	Vehicle Replacement	-	-	-	-	-	-	-	-	-	-	
4	Total Vehicles	-	-	-	-	-	-	-	-	-	-	
5												
6	Board of Elections											
7	Voting Machines ¹											
8	Total Board of Elections	-	-	-	-	-	-	-	-	-	-	
9												
10	Social Services											
11	Crawford Senior Center Expansion	126,257									126,257	
12	Total Social Services	126,257	-	-	-	-	-	-	-	-	126,257	
13												
14	Emergency Services											
15	Emergency Radio Communications System											
16	Ambulance Replacement											
17	Total Emergency Services	-	-	-	-	-	-	-	-	-	-	
18												
19	Macon County Schools											
20	Annual School Technology											
21	Annual School Capital Outlay											
22	Franklin High School											
23	Macon Middle School Renovation											
24	South Macon Addition											
25	Total Macon County Schools	-	-	-	-	-	-	-	-	-	-	
26												
27	Health											
28	New Health Annex / Existing Facility Renovation	-	(18,000)	(21,000)	(21,000)	(21,000)	(24,000)	(24,000)	(24,000)	(24,000)	(201,000)	
29	Animal Services Expansion											
30	Molar Roller Replacement	-	-	(9,000)	(9,000)	(9,000)	(9,000)	(9,000)	(9,000)	(9,000)	(72,000)	
31	Total Health	-	(18,000)	(30,000)	(30,000)	(30,000)	(33,000)	(33,000)	(33,000)	(33,000)	(273,000)	
32												
33	Housing											
34	Housing Department Office & Shop											
35	Total Housing	-	-	-	-	-	-	-	-	-	-	
36												
37	Information Technology											
38	Backup and Archival	-	2,094	2,094	2,094	7,904	7,904	2,094	7,904	7,904	47,897	
39	Data Storage	-	-	-	-	-	20,000	-	-	-	20,000	
40	Host Upgrade	-	-	-	5,000	10,000	5,000	-	-	5,000	35,000	
41	Network Switch and Router Refresh	3,733	-	3,733	-	-	3,733	-	3,733	-	14,933	
42	Host OS and SQL											
43	Security and Access Control, and Fire Panel Refresh	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	28,000	
44	Total Information Technology	6,533	4,894	8,627	9,894	20,704	39,437	4,894	14,437	15,704	165,830	
45												
46	Parks & Recreation											
47	Robert C. Carpenter Building Roof											
48	Veterans Memorial and Industrial Park Improvements	-	-	(5,000)	-	-	-	-	-	-	(5,000)	
49	Zachary Park Improvements											
50	Total Parks & Recreation	-	-	(5,000)	-	-	-	-	-	-	(5,000)	
51												
52	Southwestern Community College											
53	Public Safety Training Fire Burn Building	52,636	53,689	54,762	55,858	56,975	58,114	59,277	60,462	61,671	62,905	576,350
54	SCC Public Safety Training Center Classroom Building	-	-	-	162,602	165,854	169,171	172,555	176,006	179,526	183,116	1,208,829
55	Public Safety Training Indoor Firing Range	-	-	-	-	148,185	151,149	154,172	157,255	160,400	163,608	934,769
56	Macon Campus Science Building										159,429	159,429
57	Total Southwestern Community College	52,636	53,689	54,762	218,460	371,014	378,434	386,003	393,723	401,597	569,058	2,879,377
58												
59	Tax Assessment/Collections/Appraisal/Land Records											
60	Tax Billing & Collection/ Appraisal Software	-	145,000	281,000	281,000	281,000	281,000	281,000	281,000	281,000	281,000	2,393,000
61	2023 Revaluation	-	75,000	125,000	150,000	150,000	125,000	125,000	150,000	150,000	-	1,050,000
62	Total Tax Assessment/Collections/Appraisal/Land Records	-	220,000	406,000	431,000	431,000	406,000	406,000	431,000	431,000	281,000	3,443,000
63												
64	Transit Services											
65	MCT Facility Expansion and Parking Lot	1,100	-	200	13	-	-	-	-	-	-	1,313
66	Total Transit Services	1,100	-	200	13	-	-	-	-	-	-	1,313
67												
68	Total	186,526	260,583	434,590	629,367	792,718	790,871	763,897	806,160	815,301	857,762	6,337,776
69	Cumulative Total	186,526	447,109	881,699	1,511,066	2,303,784	3,094,655	3,858,552	4,664,713	5,480,014	6,337,776	

¹ The Board of Elections Department request for the Voting Machines project included a one time operating expense of \$181,115. This one time operating expense equals the capital expense from the prior year. Should this number be included?

	1	2	3	4	5	6	7	8	9	10	
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Total
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings		\$181,115									\$181,115
Other											\$0
Contingencies											\$0
Project Total	\$0	\$181,115	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$181,115

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$181,115	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

VOTING EQUIPMENT PER REQUIREMENTS		
1/1/2019	to	1/1/2020
BOARD OF ELECTIONS		
MELANIE THIBAUT		
TO PURCHASE 20 NEW VOTING MACHINES. 20 DS200 MACHINES, 20 DS200 BALLOT BOXES, 20 DS200 CASES WITH A 1 YEAR HARDWARE AND SOFTWARE WARRANTY		

Project Title: VOTING EQUIPMENT PER REQUIREMENTS
Department: BOARD OF ELECTIONS
Project Manager: MELANIE THIBAUT

Project Description:

TO REPLACE ALL VOTING MACHINES AS PER MANDATED BY THE STATE BOARD OF ELECTIONS

Project Justification:

Received in 2006 our current voting equipment the M100 was primarily funded and paid for by grants from the U.S. Congress. This was in response to the 2000 hanging chad debacle. The state of N.C. has talked about funding Counties once again to replace these aging machines but so far it's just been talk and the State Board said we certainly shouldn't plan for that to pass. There is no set schedule to replace but the expected life cycle of our M100's is 10-12 years putting replacement timeline between 2016-2020 elections.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

We feel as if replacing our current M100's would alleviate or at the very least reduce the possibility of having any issues with our equipment during an election. This can only be accomplished by purchasing the most updated, efficient, and accurate voting equipment available the (DS200) to serve the voters of Macon County.

2. What segment and size of the population will this project serve?

APPROXIMATELY 26,000 VOTERS IN MACON COUNTY

3. Will this project reduce or increase your annual operating cost in some way?

WILL BE ABOUT THE SAME

4. Is this project required by federal, state or local legislation?

THIS PROJECT IS REQUIRED BY THE STATE LEGISLATION

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

THIS IS THE YEAR ALL MACHINES WILL HAVE TO BE REPLACED

Project Alternatives:

NONE

Project Status/Updated:

Relationship to other projects:

N/A

Explanation of Annual Operating Costs and Operations Related to Project:

SEE ATTACHED

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition	\$800,000										\$800,000
Construction	\$8,000,000										\$8,000,000
Equipment/Furnishings	\$76,650										\$76,650
Other: Comm. Kitchen											\$0
Contingencies											\$0
Project Total	\$8,876,650	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,876,650

Operating Impact											
Personnel	\$106,257										\$106,257
Utilities	\$15,000										\$15,000
Operating Costs	\$5,000										\$5,000
Capital	\$0										\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$126,257	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,257
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$126,257	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,257

Funding Available											
Grants	to be explored; potential include AARP Foundation; Robert Wood Johnson Foundation; USDA; Cannon Charitable Interests; Harry and Jeanette Weinberg Foundation; Kate B. Reynolds										\$0
Donations	\$30,000 approx. per year (increasing the member base will result in an increase in member contributions)										\$0
Other (Specify)	additional revenues from ADC to ADH transition: \$65/day VA (can cross county lines); potential for Long-Term Care Insurance billing for ADH; increase in HCCBG daily rate with ADH vs. ADC; increase in private pay fees.										\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Crawford Senior Center
Start Date/Completion Date: 7/1/2018 to 6/30/2019
Department: Social Services
Project Manager: Betancourt
Basis of the cost estimates provided above:

Project Title: Crawford Senior Center
 Department: Social Services
 Project Manager: Betancourt

Project Description: Macon County Department of Social Services - Crawford Senior Center expansion from a current 16,000 square foot facility to a 40,000 square foot facility.

Project Justification: In 2011, the Macon County Department of Social Services opened the Crawford Senior Center in the old public library located at 105 Wayah St. Based on population projections of seniors age 60 and over in Macon County (which is currently exceeds 1/3 of the total county population and will only increase by 21% by 2035) the 16,000 square feet and 50 parking spaces is insufficient to serve the needs of the county. Within a 9 month period, a customer service kiosk placed at the current location of the Crawford Center saw 70,329 logins for people accessing services (this does not include individuals accessing Senior Health Insurance Information, the Adult Day Care Center, or the Community Resource Center). This roughly equates to over 300 people a day accessing services at the Crawford Center over a nine month period. As the "Silver Tsunami" inundates Macon County over the next 10 years, additional space is required to continue to support services such as congregate meals, home-delivered meals, a growing variety of activities to engage seniors in socialization, and expand into the provision of Adult Day Health services to better support Western NC's veteran population.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?
This expansion project will alleviate the already overcrowding of the current Crawford Senior Center. The project will carry Macon County into 2035 being able to better meet the needs of the roughly 30,000 citizens over the age of 60 at that time. A larger facility will assure that a greater number of senior citizens will be able to access health related and socialization related activities which can result in lower medical service utilization rates.
2. What segment and size of the population will this project serve?
Primarily citizens over the age of 60. Currently almost 23, 000 Macon County citizens; by the Year 2035 that population count will be just over 29,000 citizens.
3. Will this project reduce or increase your annual operating cost in some way?
Increase annual operating costs in the areas of additional personnel, additional utilities, and additional overall operating costs as reflected in Column C above.
4. Is this project required by federal, state or local legislation?
Expansion project not required under federal, state, or local mandate.
5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?
Delay of expansion project means that more seniors will not have the opportunity for increased nutritional health, socialization, participation in healthy living activities, etc.

Project Alternatives: Existing structures: Old Walmart (90,000 sq. ft.); Former Cody's Roadhouse (1.5 acres in foreclosure); Old Drive-In in Frogtown (flood concern)
 New building: county-owned 33.5 acres by Southwestern Community College; Duke Power owned plot just below New Walmart; 4.5 acres of land at carnival location off Highlands Rd.; Entegra Bank owns 23 acres on the hill above the four-way (with 1 pad equalling 8 acres); 4 acres by Smoky Mtn. Chevrolet

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:
1 additional FTE to staff for expansion of current Adulth Day Care to Adult Day Health and 1 additional FTE as facility receptionist / administrative staff; estimation of doubling of current utility costs based on project inclusion of a commerical kitchen; slight increase in miscellaneous operating costs

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings	\$200,000						\$150,000				\$350,000
Other											\$0
Contingencies											\$0
Project Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$350,000

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Emergency Radio Communications System		
7/1/2016	to	6/30/2028
Emergency Services		
Warren Cabe		

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Project Title: Emergency Radio Communications System
Department: Emergency Services
Project Manager: Warren Cabe

Project Description: Complete the upgrade of the emergency radio communications initiated in 2016 and provide for technology upgrade in seven(7) years when technology changes dictates future advances.

Project Justification: Funding will fill the gap providing for necessary expansion of the system to non-fire and non-EMS agencies to compensate for not receiving FEMA AFG grants funds this year. A portion of the funds will again be designated as match funds for reapplying next fiscal year and then used accordingly contingent upon whether the award is received or not.

- 1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Current system is over 30 years old and technology is dictating connectivity to the remote sites. Expenses incurred may prevent full utilization of the system by non-Fire or non-EMS agencies such as LE. Additional funds will assist with this inclusion and improve effectiveness of radio utilization and coverage.

- 2. What segment and size of the population will this project serve?

Entire population and visitors

- 3. Will this project reduce or increase your annual operating cost in some way?

No

- 4. Is this project required by federal, state or local legislation?

No

- 5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

We are in the second year of this multi-year project so most of the details have been completed in the planning process. The project will continue but may not cover all affected entities.

Project Alternatives: Maintain the current legacy communications system which has been identified as having coverage issues.

Project Status/Updated: In planning process

Relationship to other projects: None

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings		\$320,141		\$320,141		\$320,141		\$320,141			\$1,280,564
Other											\$0
Contingencies											\$0
Project Total	\$0	\$320,141	\$0	\$320,141	\$0	\$320,141	\$0	\$320,141	\$0	\$0	\$1,280,564

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:

Ambulance Replacement

Start Date/Completion Date:

7/1/19 to 6/30/2028

Department:

EMS

Project Manager:

Warren Cabe

Basis of the cost estimates provided above:

Project Title: Ambulance Replacement
 Department: EMS
 Project Manager: Warren Cabe

Project Description: Replacment of fleet ambulances with new units. Price includes capital equipment required to operate including cardiac monitor/defibrillator, stretcher, and communications equipment.

Project Justification: EMS typically remounts ambulance patient compartments on new chassis but most of the fleet is currently on the second or third remount cycle. Safety and durability concerns will eventually need to be considered and newer patient compartments integrated into the remount rotation cycle.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Safety improvements will eventually render our patient compartments inoperable including stretcher mounts, etc. Also eventually structural issues will compromise the integrity of the compartment and negate the efficiency of the remount process.

2. What segment and size of the population will this project serve?

Entire population

3. Will this project reduce or increase your annual operating cost in some way?

Entire county

4. Is this project required by federal, state or local legislation?

No. Ambulances must meet NC OEMS requirements.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Changing the timetable will keep the older compartments in service longer.

Project Alternatives: Project alternatives include remounting existing compartments indefinitely into the future. We will continue remounting at least one(1) unit in the even numbered fiscal years when not purchasing new equipment.

Project Status/Updated: Current remount system is in progress. All current cardiac monitors are part of a finance package and purchased at the same time. By integrating them into this package the expense for replacements can be spread over several years.

Relationship to other projects: Completed in opposite years when remounts occur.

Explanation of Annual Operating Costs and Operations Related to Project: No increase to overall operating costs. Maintenance costs will increase if we do not routinely place new or remounted equipment into service.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$2,842,640										\$2,842,640
Land Acquisition	\$0										\$0
Construction	\$31,200,000										\$31,200,000
Equipment/Furnishings	\$3,120,000										\$3,120,000
Other - Site Development	\$4,056,000										\$4,056,000
Contingencies	\$1,762,800										\$1,762,800
Project Total	\$42,981,440	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,981,440

Operating Impact											
Personnel	\$0										\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Franklin High School
Start Date/Completion Date: to
Department: Macon County Schools
Project Manager: Todd Gibbs
Basis of the cost estimates provided above: A new Franklin High School facility would require a 160,000 sq. ft. facility. The cost per sq. ft. for a high school facility is estimated to be \$195.00 per sq. ft. This estimate includes a new gymnasium, but not outdoor athletic fields.

Project Title: Franklin High School
Department: Macon County Schools
Project Manager: Todd Gibbs

Project Description: Replacement and new construction of Franklin High School

Project Justification: Age and subsequent deterioration of current facility

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Deterioration of current facility

2. What segment and size of the population will this project serve?

Up to1000 families and their elementary aged children.

3. Will this project reduce or increase your annual operating cost in some way?

Decrease

4. Is this project required by federal, state or local legislation?

no

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Certain issues present safety hazards. Other improvements would result in improved efficiency.

Project Alternatives:

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$168,300										\$168,300
Land Acquisition	\$0										\$0
Construction	\$2,420,000										\$2,420,000
Equipment/Furnishings	\$0										\$0
Other											\$0
Contingencies	\$108,900										\$108,900
Project Total	\$2,697,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,697,200

Operating Impact											
Personnel	\$0										\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Macon Middle School Renovation
Start Date/Completion Date: _____ to _____
Department: Macon County Schools
Project Manager: Todd Gibbs
Basis of the cost estimates provided above: Macon Middle School Renovation would involve 88,000 sq. ft. The cost per sq. ft estimation is \$27.50 per sq. ft and includes new windows and ceiling grid.

Project Title: Macon Middle School Renovation
Department: Macon County Schools
Project Manager: Todd Gibbs

Project Description:

Project Justification:

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

2. What segment and size of the population will this project serve?

3. Will this project reduce or increase your annual operating cost in some way?

4. Is this project required by federal, state or local legislation?

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Project Alternatives:

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$171,226										\$171,226
Land Acquisition	\$0										\$0
Construction	\$2,140,320										\$2,140,320
Equipment/Furnishings	\$30,000										\$30,000
Other											\$0
Contingencies	\$107,016										\$107,016
Project Total	\$2,448,562	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,448,562

Operating Impact											
Personnel	\$0										\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: South Macon Addition
Start Date/Completion Date: _____ to _____
Department: Macon County Schools
Project Manager: Todd Gibbs
Basis of the cost estimates provided above: The additional classroom space amounts to 9,744 sq. ft at a cost \$195 per sq. ft for a total cost of \$1,900,000.00 Additional cafeteria space would equal \$240,240.00 for 1,232 sq. ft at \$195.00 per sq. ft.

Project Title: South Macon Addition
Department: Macon County Schools
Project Manager: Todd Gibbs

Project Description: Expansion of South Macon Elementary School

Project Justification: Due to an increase in enrollment at South Macon Elementary school over the past 6 years additional instructional, cafeteria, and restroom space is needed.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Lack of instructional space.

2. What segment and size of the population will this project serve?

Up to 120 families and their elementary aged children.

3. Will this project reduce or increase your annual operating cost in some way?

Increase

4. Is this project required by federal, state or local legislation?

Yes.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Students are currently being taught in spaces not intended as classrooms.

Project Alternatives:

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Total
Planning											\$0
Land Acquisition											\$0
Construction	\$3,630,000	\$104,800									\$3,734,800
Equipment/Furnishings		\$417,000									\$417,000
Other		\$235,000									\$235,000
Contingencies	\$665,000	\$66,000									\$731,000
Project Total	\$4,295,000	\$822,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,117,800
Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)		\$18,000	\$21,000	\$21,000	\$21,000	\$24,000	\$24,000	\$24,000	\$24,000	\$24,000	\$201,000
Net Additional Expenses	\$0	-\$18,000	-\$21,000	-\$21,000	-\$21,000	-\$24,000	-\$24,000	-\$24,000	-\$24,000	-\$24,000	-\$201,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	-\$18,000	-\$21,000	-\$21,000	-\$21,000	-\$24,000	-\$24,000	-\$24,000	-\$24,000	-\$24,000	-\$201,000
Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:

New Health Annex/Existing Facility Renovation

Start Date/Completion Date:

7/1/2018 to 6/30/2020

Department:

Health

Project Manager:

Jim Bruckner

Basis of the cost estimates provided above:

New Health Annex construction cost est @ \$250 per sq. ft. - (Medical facility construction references range from \$184-\$316 per sq. ft.). Parking area estimated 80 additional parking spaces at \$1500 per space = \$120,000. Other costs: \$205,000 for landscaping of new facility to include landscaping for the existing human services building and parking areas. Equipment/Furnishings: \$30,000 generator; \$30,000 for relocation of Adult Dental equipment and equipment upgrades; \$6,000 per office (16 - 14 in new facility and 2 in current); \$7,000 per exam room (3); \$7,000 for Dental and clerical reception (2 spaces); \$1200 for storage room shelving; \$18,000 for appliances; \$65,000 for meeting room furnishings; 18 phones @ \$150 ex = \$2,700, IT switch/equipment \$15,000; Computers \$21,800; and, meeting room equipment/smart technology \$77,500. We did not include a cost for alarm systems, HVAC, etc. which should be included in standard building costs. Contingencies = 20% of construction costs. Savings = current lease costs for Adult Dental Facility @ \$1500 per month x 2 years + \$1750 x 3 years + \$2000 x 5 years.

Project Title: New Health Annex/Existing Facility Renovation
 Department: Health
 Project Manager: Jim Bruckner

Project Description:

Construct an annex (approx 14,040 sq ft) to house Health Department administration, finance, purchasing, healthy communities (14 offices), adult dental clinic, classroom/meeting rooms (2) space and storage (2), breakroom, restrooms (2), large meeting room (1). IT work/server room, maintenance workroom, etc. on property adjoining the current Health and Human Services Building. Would also need to expand parking. Renovate current facility to update patient check-in/checkout areas to comply with current federal privacy standards - \$44,800 based on previous estimates of \$80 per sq ft for +/- 560 sq ft. Renovate current administration area (600 sq ft) for additional clinic space @ \$80 per sq ft = \$48,000; and equipment for exam rooms: \$4000 per room = \$12,000

Project Justification:

Current facility has a lack of clinical/examination space, client interview space, storage space, classroom/meeting space, general office space, etc. Additional and updated space is needed to meet the privacy and confidentiality standards established under federal laws, rule, and regulations. Additional exam room space is needed as well as additional private office and meeting space. Relocating adult dental would eliminate the need for leased space.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

By relocating some of the current administrative functions to another building/location, the current facility could be renovated to meet the needs for clinical/examination space, client interview space and some storage. This additional space will improve clinic efficiencies and elimination of adult dental lease payment and other associated costs.

2. What segment and size of the population will this project serve?

Serves all Macon County residents.

3. Will this project reduce or increase your annual operating cost in some way?

Reduction in adult dental lease payments (currently \$2,000 per mo).

4. Is this project required by federal, state or local legislation?

Additional clinical space will improve upon current clinical best practices with the regard to delivery of services, confidentiality and privacy.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Current programs have exceeded the capacity of the facility. In order to continue to meet community need for public health services and best practices in the delivery of health services and/or expand services has created an immediate need for this additional space.

Project Alternatives:

None

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction		\$322,400									\$322,400
Equipment/Furnishings		\$60,610									\$60,610
Other		\$18,000									\$18,000
Contingencies		\$80,202									\$80,202
Project Total	\$0	\$481,212	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$481,212
Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:

Start Date/Completion Date:

Department:

Project Manager:

Basis of the cost estimates provided above:

Animal Services Expansion
 7/1/2019 to 6/30/2020
 Health
 Jim Bruckner

Expand and update current Animal Shelter by 2,312 sq ft @ \$130 sq ft. Landcaping @ \$25 sq ft. @ 700 sq ft. \$6,000 per office x 4 = \$24,000 based on actual vendor cost of recent purchases. \$2500 for dishwasher based on vendor estimate. Walk-in cooler based on vendor estimate.

Project Title: Animal Services Expansion
 Department: Health
 Project Manager: Jim Bruckner

Project Description: Expand and update current Animal Shelter by 2,480 sq ft @ \$130 sq ft. Addition of separate intake/exam area (2 @ 196 sq ft ea) for separation of dog and cat areas; addition of 20 dog runs that allow access to outside areas (1320 sq ft); addition of new cat rooms (2 rooms = 240 sq ft) and add trench drains in floor ; large walk-in cooler/fridge (120 sq ft); expand washer/dryer room (120 sq ft); update bath area (120 sq ft); add dog adoption space (120 sq ft); chemical storage (48 sq ft).
 Equipment/Furnishings: \$24,000 for office furnishings; \$2,500 for dishwashing system; Stainless Steel exam tables x 2 @ \$380 ea = \$760; Necropsy Table \$12,000; Walk-in cooler/fridge \$6,000 (6 ft x 8 ft x 6ft 7 in.); 3 phones @\$150 ea = \$450; 2 computers (desktops) @ 1800 ea - \$3600; Industrial Washer/Dryer that meets ISO 9001 standards = \$8,000; Badge/Swipe Secure entry \$3000. Other \$18,000 for generator. Contingency costs 20% of construction cost.

Project Justification: Currently the facility does not have adequate space to house all animals brought to the shelter. Almost daily, the shelter exceeds Dept. of Ag standards for the number of animals present in the facility. Expansion of the facility will aid in the implementation of evidenced-based practice that meet current industry standards. The addition of separate intake/exam areas for dogs and cats will increase efficiencies and promote calmness of animals when entering the shelter and during exams. Additional office space is needed for the Animal Control Officers.

1. **What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?**
 Inadequate sheltering of animals in accordance with NC Dept of Ag standards. Construction of an addition to and renovation of the existing facility will allow us to meet the community need for animal services and sheltering capacity. Effectiveness/Efficiency: Having separate areas for housing dogs and cats ready for adoption vs those awaiting medical clearance or that are not available for adoption will reduce staff time and eliminate public frustration when viewing animals. Allows for equipment and supplies to be maintained in separate areas based on animal type . Separate areas will reduce and possibly eliminate anxiousness/disruption/upset of animals when cats are escorted through the dog areas which is unavoidable in the current facility.

2. **What segment and size of the population will this project serve?**
 Animals coming into the shelter.

3. **Will this project reduce or increase your annual operating cost in some way?**
 No increase in staffing and/or operating anticipated at this time.

4. **Is this project required by federal, state or local legislation?**
 No

5. **Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?**
 We currently house more animals in the shelter than allowed by Dept. of Ag standards. Delaying or postponing will increase euthanasia rates and/or possible loss of Dept. of Ag Shelter Operating Permit.

Project Alternatives: Continue present operations and increase significantly our euthanasia rates in order to meet Dept. of Ag shelter occupancy standards.

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings											\$0
Other		\$520,000									\$520,000
Contingencies		\$120,000									\$120,000
Project Total	\$0	\$640,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$640,000

Operating Impact											
Personnel			\$64,928	\$66,227	\$67,552	\$68,903	\$70,301	\$71,707	\$73,141	\$74,604	\$557,363
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$64,928	\$66,227	\$67,552	\$68,903	\$70,301	\$71,707	\$73,141	\$74,604	\$557,363
Minus New Revenues (Enter as positive number)			\$73,928	\$75,227	\$76,552	\$77,903	\$79,301	\$80,707	\$82,141	\$83,604	\$629,363
Operating Total	\$0	\$0	-\$9,000	-\$9,000	-\$9,000	-\$9,000	-\$9,000	-\$9,000	-\$9,000	-\$9,000	-\$72,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)			\$100,000								\$100,000
Funding Total	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Molar Roller Replacement		
7/1/2019	to	6/30/2020
Health		
Jim Bruckner		

Facility cost is based on actual quote from vendor. Personnel cost is based on current base salary of \$45,404 for Hygienist plus 43% for fringe, benefits and training plus a 2% COLA. Contingency @ 20%. Revenue is equal to personnel costs - Hygienist should be able to cover their cost plus revenue from addition of panorex machine.

Project Title: Molar Roller Replacement
 Department: Health
 Project Manager: Jim Bruckner

Project Description: Replace current mobile dental clinic (Molar Roller) which has exceeded lifetime expectancy. Upgrade to larger more updated facility that meets current best practice standrads for children's dental.

Project Justification: Manufacturer lifetime of facility is ten (10) years with renovation at five (5) years. Current facility was purchased in 2003 and renovated in 2015 - at twelve (12) years well beyond the recommended time. It is believed by the manufacturer and our staff that we will not get more than 2-3 years of service from the current facility. Addition of a second hygiene chair will allow us to see children in a more timely manner and increase revenue.

1. **What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?**

Without this project, it is anticipated that based on the age and wear and tear on the current mobile unit we will no longer be able to provide dental services to the children of Macon County. Currently, we are unable to see children for oral hygiene visits in accordance with best practice due to the volume of children in need of services. Purchasing of an updated facility will allow for additional services, increase efficiencies, increase revenues and, bring the current program up to best practice standards.

2. **What segment and size of the population will this project serve?**

Macon County children from birth to age 18.

3. **Will this project reduce or increase your annual operating cost in some way?**

Not on the expenditure side unless there is addition of staff. If a Hygienist is added there would be an increase in salary, fringe and training costs. We expect and increase in revenue by approx. \$9,000 per year with no addition in staff due to the addition of the panorex. With the addition of a Hygienist the revenue could increase an additional +/- \$70,000 per year. Would also see an increase in cost settlement revenue with the addition of/increase in services.

4. **Is this project required by federal, state or local legislation?**

No. Manufacturer however, recommends this replacement.

5. **Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?**

We are hoping to get two (2) more years out of the current facility even though the facility has already exceeded manufacturers life expectancy. Extending the timeline is a definite gamble for the safety and opeartion of the facility.

Project Alternatives: None in order to continue the mobile children's dental program.

Project Status/Updated:

Relationship to other projects:

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$2,500										\$2,500
Land Acquisition	\$0										\$0
Demolition & Removal	\$20,000										\$20,000
Grading	\$3,000										\$3,000
Slab, Sidewalk & Parking Barriers	\$13,000										\$13,000
Construction	\$42,000										\$42,000
Electric	\$17,000										\$17,000
Plumbing	\$12,000										\$12,000
HVAC	\$12,000										\$12,000
Paving & Marking	\$15,000										\$15,000
Landscaping	\$1,000										\$1,000
Equipment/Furnishings	\$14,000										\$14,000
Contingencies (10%)	\$15,150										\$15,150
Project Total	\$166,650	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$166,650

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Housing Department Office & Shop
Start Date/Completion Date: _____ to _____
Department: HOUSING
Project Manager: John L. Fay
Basis of the cost estimates provided above: Online pricing average per square foot. Estimate on demolition and debris removal provided by local contractor

Project Title: Housing Department Office & Shop
 Department: HOUSING
 Project Manager: John L. Fay

Project Description: Housing Department Office, Warehouse/Shop/Garage (see additional tabs this workbook)

Project Justification: Exterior walls show signs of structural failure. Roof System is failing. Snakes & animals frequently found in shop. Frequent odor of decaying animals in office and shop. Heating and cooling in office and shop area lacking or insufficient. Extremely dusty office conditions due to no air filtration and cement floors which makes for an uncomfortable working condition and is hard on electronic equipment.. Lighting is insufficient for office and shop areas, office lighting is fixed and was intended for other purpose layout, shop lighting and lack of lighting and temperature control makes for increased hazzard for tool operation and ability to store materials sensitive to temperature. Building & lot condition are not representative of the County's committment to housing programs. The building and lot are not ADA compliant.

1. **What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?**

A new structure and lot will provide a safer situation for the general public as well as staff. Improved accessibility for the public and staff will greatly reduce risks. Having a building that is designed for the functions of the Housing Department will greatly help with workflow which will make administrative time more manageable using minimal amounts of administration funds which are getting ever more difficult to acquire. Improved safety will be realized as a result of safe effective ingress / egress, improved interior and exterior lighting and spaces that are designed for an intended purpose ie: shop/storage, in office traffic flow.

2. **What segment and size of the population will this project serve?**

The Housing Deptment serves low income, elderly, disabled famalies. Approximately 21% of Maconians (6,096 persons) are income eligible for services.

3. **Will this project reduce or increase your annual operating cost in some way?**

should reduce liability for a public access facility, reduced power consumption.

4. **Is this project required by federal, state or local legislation?**

There may be requirements that exist and or desirable: ADA, fire codes, handicap parking space designations.

5. **Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?**

The desirable timetable is as soon as possible. The months to avoid are May, June, July & August due to World Changers, work load & program closeouts.

Project Alternatives: Reinforce structural deficiencies, provide adequate lighting in office and warehouse/workshop, expand reception, bathroom and common areas to allow for handicap access, install central heating & air system to cover office & warehouse/shop, grade, pave & mark praking lot for wheel chair & stumble free access. I believe that the cost of these alternatives and the limited life of the building after modifications eliminates this consideration of alternatives.

Project Status/Updated:

Relationship to other projects: As proposed here this is a stand alone solution. The site is County owned and, by report is EPA cleared of contaminates. This may work well in the creation of a community programs access location. Potential programs housed on the property could be the Veterans Services Office and the Board of Elections Office possibly allowing the use of a shared receptionist/intake position.

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings	\$185,000										\$185,000
Other one time cost of software	\$5,344										\$5,344
Contingencies											\$0
Project Total	\$190,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$190,344

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs		\$2,094	\$2,094	\$2,094	\$7,904	\$7,904	\$2,094	\$7,904	\$7,904	\$7,904	\$47,897
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$2,094	\$2,094	\$2,094	\$7,904	\$7,904	\$2,094	\$7,904	\$7,904	\$7,904	\$47,897
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$2,094	\$2,094	\$2,094	\$7,904	\$7,904	\$2,094	\$7,904	\$7,904	\$7,904	\$47,897

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Backup and archival		
	to	
Information Technology		
Andy Muncey		
Quotations, and list pricing		

Project Title: Backup and archival
 Department: Information Technology
 Project Manager: Andy Muncey

Project Description: Backup to disk and archival to tape software and systems refresh

Project Justification: Key function of IT department to protect the accessibility of information. Backup and off site storage are industry best practice and required for most information.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Prevents loss of data. Reduces restore times, reduces media required for archival. Provides restoration after Events affect, Data integrity, and accessibility.

2. What segment and size of the population will this project serve?

Macon County

3. Will this project reduce or increase your annual operating cost in some way?

Likely increase due to increasing capabilities.

4. Is this project required by federal, state or local legislation?

Yes

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Yes, Needs to be implemented as proposed to accommodate anticipated backup loads and maintain, daily, monthly, quarterly and yearly backup sets.

Project Alternatives: none recommended.

Project Status/Updated:

Relationship to other projects: SAN size and utilization effect required backup and archival capacity. Lacks of service dictated to restore windows.

Explanation of Annual Operating Costs and Operations Related to Project: Maintenance and support contracts, Expansion shelves and backup media to scale the storage.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equip/Furnishings SAN PR&DR (2 head proc)(6) Exp Shelves			\$400,000				\$400,000				\$800,000
Other one time cost of software			\$18,600				\$18,600				\$37,200
Contingencies											\$0
Project Total	\$0	\$0	\$418,600	\$0	\$0	\$0	\$418,600	\$0	\$0	\$0	\$837,200

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs		\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000	\$40,000
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses		\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000	\$40,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000	\$40,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: SAN Storage
Start Date/Completion Date: to
Department: Information Technology
Project Manager: Andy Muncey
Basis of the cost estimates provided above: Comparable quotations and estimates

Project Title: SAN Storage
Department: Information Technology
Project Manager: Andy Muncey

Project Description: Data storage refresh, NAS/SAN

Project Justification: SAN storage houses all county data.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Volume of data has and will continue to increase. Data must be kept securely to assure the confidentiality, integrity are maintained and that the information remains accessible.

2. What segment and size of the population will this project serve?

Organizational, serving all of Macon County

3. Will this project reduce or increase your annual operating cost in some way?

Increase

4. Is this project required by federal, state or local legislation?

Maintaining the Confidentiality, Integrity, and accessibility is required, Encryption is a requirement of SO and EMS

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Every 5 years, a hardware refresh is expected. Changing the timetable increases support costs and limits flexibility. Failure to maintain the storage platform could result in loss of data and accessibility.

Project Alternatives: No alternatives currently meet the organizations Confidentiality, Integrity, and accessibility requirements.

Project Status/Updated: Periodically Storage must be called through the addition of expansion shelves.

Relationship to other projects: Increase SAN capabilities to utilize drives, increased backups and archive capacity.

Explanation of Annual Operating Costs and Operations Related to Project: Maintenance and support contracts for SAN storage are maintained to assure accessibility to data housed in the SAN. They Entitle Macon County to service, patches, software updates and replacement components. Periodically Storage must be scaled through the addition of expansion shelves. Maintenance cost increase as expansion shelves are added.

	1	2	3	4	5	6	7	8	9	10	
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Total
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings	\$100,000	\$100,000				\$100,000	\$100,000				\$400,000
Other one time cost of software Professional Services	\$40,000	\$40,000		\$0	\$0	\$40,000	\$40,000		\$0	\$0	\$160,000
Contingencies											\$0
Project Total	\$140,000	\$140,000	\$0	\$0	\$0	\$140,000	\$140,000	\$0	\$0	\$0	\$560,000

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs				\$5,000	\$10,000	\$5,000			\$5,000	\$10,000	\$35,000
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$5,000	\$10,000	\$5,000	\$0	\$0	\$5,000	\$10,000	\$35,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$5,000	\$10,000	\$5,000	\$0	\$0	\$5,000	\$10,000	\$35,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Host Server PR & DR refresh and licensing

Start Date/Completion Date: to

Department: Information Technology

Project Manager: Andy Muncey

Basis of the cost estimates provided above: Based on quotations

Project Title: Host Server PR & DR refresh and licensing
Department: Information Technology
Project Manager: Andy Muncey

Project Description:

Replacement of hosts (Servers) on a 5 year hardware refresh, PR and DR sites. Hosts are physical servers that offer service as a time share to virtual servers. Virtual servers service the computational needs of the organization.

Project Justification:

5 of the current servers have entered their 7th year, 2 Servers have entered 6th year, and 2 servers entering 5th of service which no longer meet the standards of the organization. Hardware platform is due to reach end of life at which time further support will no longer be available or cost effective. Older servers not expected to fully support the VMware upgrade.

- 1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effect

Maintains supported hardware platform required for virtualization environment. The hardware requirements for the software have increased. Hosts Serving VMware Virtualation perform best when all are kept at the same hardware level.

- 2. What segment and size of the population will this project serve?

Macon County

- 3. Will this project reduce or increase your annual operating cost in some way?

increase

- 4. Is this project required by federal, state or local legislation?

Not directly, However data Accessibility depends upon hosts.

- 5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

It is overdue, several hosts exceed their expected service life of 5 years, Host and licensing are interconnected, need to maintain and parrell to time table.

Project Alternatives:

No alternatives are currently available without incurring substantial costs increases.

Project Status/Updated:

Relationship to other projects:

Microsoft licensing on Operating system and Database on the PR hosts must occur when the host is refreshed.

Explanation of Annual Operating Costs and Operations Related to Project:

Maintenance and support contracts for hosts are maintained to assure 4 hour accessibility to parts and service. They entitle Macon County to service, patches, software updates .and replacement components. Maintenance cost increase as additional hosts shelves are added. Number of servers predicts server support costs.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment-55 switches-2 Cisco Routers	\$299,850		\$22,708			\$299,850		\$22,708			\$645,117
Other one time cost of software											\$0
Contingencies											\$0
Project Total	\$299,850	\$0	\$22,708	\$0	\$0	\$299,850	\$0	\$22,708	\$0	\$0	\$645,117

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs	\$3,733		\$3,733			\$3,733		\$3,733			\$14,933
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$3,733	\$0	\$3,733	\$0	\$0	\$3,733	\$0	\$3,733	\$0	\$0	\$14,933
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$3,733	\$0	\$3,733	\$0	\$0	\$3,733	\$0	\$3,733	\$0	\$0	\$14,933

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Network Switch and router refresh		
	to	
Information Technology		
Andy Muncey		
Quotations		

Project Title: Network Switch and router refresh
 Department: Information Technology
 Project Manager: Andy Muncey

Project Description: Network refresh

Project Justification: 4 routers, and 55 network switches on a 5 year replacement cycle. Must maintain equipment and platform supported manufacturers. Routers function as firewalls between Macon County and the outside world.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Alleviated equipment failures and maintains a supportable network platform. Completely. Yes.

2. What segment and size of the population will this project serve?

Macon County

3. Will this project reduce or increase your annual operating cost in some way?

Costs are likely to increase , if additional sites, and connections are added.

4. Is this project required by federal, state or local legislation?

No, however numerous things which are required depend upon it.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Maintains refresh of network switches and routers. It depends. Older unsupported switches need fixed more frequently

Project Alternatives: There are none.

Project Status/Updated:

Relationship to other projects: Connectivity between client computers and resources require these network connectors.

Explanation of Annual Operating Costs and Operations Related to Project: Routers have services which enhance their firewall capabilities, maintain updated vulnerability defenses. Each Router/firewall in production includes service contracts on hardware software and services.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Total
Planning											\$0
Land Acquisition											\$0
SQL License	\$419,093	\$419,093	\$419,093	\$179,599	\$179,599	\$179,599	\$179,599	\$179,599	\$179,599	\$179,599	\$2,514,472
Server License	\$23,603	\$23,603	\$23,603	\$9,946	\$9,946	\$9,946	\$9,946	\$9,946	\$9,946	\$9,946	\$140,431
Other one time cost of software											\$0
Contingencies											\$0
Project Total	\$442,696	\$442,696	\$442,696	\$189,545	\$189,545	\$189,545	\$189,545	\$189,545	\$189,545	\$189,545	\$2,654,903

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Host OS and SQL		
	to	
Information Technology		
Andy Muncey		

Project Title: Host OS and SQL
 Department: Information Technology
 Project Manager: Andy Muncey

Project Description: Microsoft Licensing on 4 replacement production hosts for Operating System and SQL database

Project Justification: Licensing must be scaled to match host, processor, and core counts on new servers. Current licensing is expired.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Software vendors require we maintain liscenced products. Support is only avilable on licenced products. Licensing individual servers outside of their liscence anaversery date or individually is less cost effective. Reduces administrative load caused by individual liscencing

2. What segment and size of the population will this project serve?

Macon County Govt

3. Will this project reduce or increase your annual operating cost in some way?

increase

4. Is this project required by federal, state or local legislation?

yes

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Designed to match proration timetable of microsoft Select agreements. Changing timetable will increase the coasts and administrative load.

Project Alternatives: Reduce the number of hosts and performance, (part of this plan would be to reduce the number of production host from 5 to 4)

Project Status/Updated: Munis upgrade is underway

Relationship to other projects: Needs to part of host refresh project. Needs to begin prior to Munis upgrade.

Explanation of Annual Operating Costs and Operations Related to Project: Liscence cost paid over 3 years based upon the number of hosts, processor and cores. SA (Software assurance entitles us to support and upgrades on each product) Tab 2 presents current and proposed host configurations and applicable liscencing.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction											\$0
Equipment/Furnishings	\$251,020					\$251,020					\$502,040
Other one time cost of software											\$0
Contingencies											\$0
Project Total	\$251,020	\$0	\$0	\$0	\$0	\$251,020	\$0	\$0	\$0	\$0	\$502,040

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$28,000
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$28,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$2,800	\$28,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Security and Access Control, and Fire panel refresh
Start Date/Completion Date: to
Department: Information Technology
Project Manager: Andy Muncey
Basis of the cost estimates provided above: Quotations and vendor discussions

Project Title: Security and Access Control, and Fire panel refresh
 Department: Information Technology
 Project Manager: Andy Muncey

Project Description: 20 Year old fire and access control system components life had been extended with interim software replacement project, however Bosche no longer supports numerous hardware components. Entire system needs replacement.

Project Justification: Replacement hardware is a mismatch with legacy hardware and prolongs and increases costs of service requests. New solution eliminates 2 phone lines per panel reduces reoccurring costs. Security systems integrate with HVAC and Fire systems.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Need a centralized, managable, supported hardware and software solution with dedicated Bosche liscenced vendor.

2. What segment and size of the population will this project serve?

Macon County facilities.

3. Will this project reduce or increase your annual operating cost in some way?

Alternative solution may have increased support costs.

4. Is this project required by federal, state or local legislation?

yes

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Hardware is no longer supported. Support becoming fragmented and unreliable.

Project Alternatives: None

Project Status/Updated:

Relationship to other projects: Courthouse security. 2 fire panels and access control for courthouse part of another project.

Explanation of Annual Operating Costs and Operations Related to Project: Monitoring, and maintenance and support contracts, and the level of service required effect annual operating costs.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$10,000										\$10,000
Land Acquisition											\$0
Construction	\$160,000										\$160,000
Equipment/Furnishings											\$0
Other											\$0
Contingencies											\$0
Project Total	\$170,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$170,000
Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Robert C. Carpenter Building Roof		
	to	
Macon County Parks and Recreation		
Seth Adams		

Project Title: Robert C. Carpenter Building Roof
 Department: Macon County Parks and Recreation
 Project Manager: Seth Adams

Project Description: Put a new metal hip roof to match new existing roof over the Multi Use Room and the Gym and redo the membrane and new stone on the middle part of the building.

Project Justification: The roof is old and is starting to have problems. We have recently done a renovation of the Robert C. Carpenter Building but didn't include the roof of the building other than the new park over the bathrooms and storage.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?
 it will fix some of the leakes we have had in the past and improve the overall look of the building.

2. What segment and size of the population will this project serve?
 Almost everyone in Macon County uses the Robert C. Carpenter Community Building at some point every year.

3. Will this project reduce or increase your annual operating cost in some way?
 Should not increase our annual budget.

4. Is this project required by federal, state or local legislation?
 No

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?
 As soon as the new roof is built, the building renovation will be completely finished.

Project Alternatives: We could possibly go back with the same type of roof system we have now.

Project Status/Updated:

Relationship to other projects: Robert C. Carpenter Building renovation

Explanation of Annual Operating Costs and Operations Related to Project: none

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction			\$1,020,000								\$1,020,000
Equipment/Furnishings											\$0
Other											\$0
Contingencies											\$0
Project Total	\$0	\$0	\$1,020,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,020,000

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)			\$5,000								\$5,000
Net Additional Expenses	\$0	\$0	-\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$5,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	-\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$5,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Veterans Memorial and Industrial Park Improvements
Start Date/Completion Date: 7/1/2020 to 7/1/2021
Department: Macon County Parks and Recreation
Project Manager: Seth Adams
Basis of the cost estimates provided above: Musco Lighting, Asheville Fence

Project Title: Veterans Memorial and Industrial Park Improvements
 Department: Macon County Parks and Recreation
 Project Manager: Seth Adams

Project Description:

New Musco lighting of the 4 fields at the Veterans Memorial Park, the Industrial Park baseball field and the main soccer field (\$910,000). It will also include an update to the dougouts (\$50,000) and new fencing and infield work as needed (60,000).

Project Justification:

The Veterans Memorial Recreation Park is over 40 years old and is showing its age. With recent improvements to the Robert C. Carpenter Building and the new Parker Meadows Park, these improvements, would bring the park up to the standard of the other facilities. It would also give us a lit soccer field which we do not have now.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

It will bring the Veterans Memorial Park and Industrial Park up to the standard of the other Parks in Macon County.

2. What segment and size of the population will this project serve?

Almost Macon County citizen and many visitors from outside Macon County frequent the Vererand Memorial Recreation Park and/or the Industrial Park.

3. Will this project reduce or increase your annual operating cost in some way?

It will decrease the operating budget by having more energy efficient lighting.

4. Is this project required by federal, state or local legislation?

No

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

The cost of the lights go up on a average of 4-7% every year.

Project Alternatives:

Project Status/Updated:

Relationship to other projects:

In direct relation to the Robert C. Carpenter Building renovation and the Veterans Memorial Park riverbank restoration project

Explanation of Annual Operating Costs and Operations Related to Project:

According to the Musco lighting representantive, if we switch the existing out of date lights to the more energy efficient lighting that is proposed, even with the additionam soccer field, we shoufl save up to \$5,000 a year in electricity costs. Since we will have the ability to cut the lights on remotly, I wont have to have someone working just to cut the lights on and off.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$20,000										\$20,000
Land Acquisition											\$0
Construction	\$230,000										\$230,000
Equipment/Furnishings											\$0
Other											\$0
Contingencies											\$0
Project Total	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000

Operating Impact											
Personnel											\$0
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Zachary Park Improvements		
	to	
Macon County Parks and Recreation		
Seth Adams		

Project Title: Zachary Park Improvements
 Department: Macon County Parks and Recreation
 Project Manager: Seth Adams

Project Description: Grading an area for another soccer field and possibly relocating some of the existing facilities to make better use of Zachary Park.

Project Justification: Highlands Recreational soccer teams have to play on the outfield of the baseball field. Having another designated soccer field in Highlands would make having practices and games much easier.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?
The park improvements would allow more and improved use of Zachary Park. Highlands is in desperate need of another soccer field. By grading and possibly changing some existing

2. What segment and size of the population will this project serve?
The park improvements will be used by every resident in Highlands and surrounding areas that play, or have someone that plays soccer and by the people that just use the park for exercise.

3. Will this project reduce or increase your annual operating cost in some way?
No

4. Is this project required by federal, state or local legislation?
No

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?
There is a problem now. Putting the project off could cause people to stop using the park.

Project Alternatives: There are no identified alternatives. Land is so hard to come by in Highlands, so another location is not an option.

Project Status/Updated:

Relationship to other projects: The land we are talking about improving, already touches the existing Zachary Park.

Explanation of Annual Operating Costs and Operations Related to Project:
None

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning											\$0
Land Acquisition											\$0
Construction	\$535,780										\$535,780
Equipment/Furnishings	\$40,000										\$40,000
Other											\$0
Contingencies											\$0
Project Total	\$575,780	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$575,780

Operating Impact											
Personnel	\$36,631	\$37,364	\$38,111	\$38,873	\$39,651	\$40,444	\$41,252	\$42,078	\$42,919	\$43,777	\$401,099
Utilities	\$11,805	\$12,041	\$12,282	\$12,528	\$12,778	\$13,034	\$13,294	\$13,560	\$13,831	\$14,108	\$129,261
Operating Costs	\$4,200	\$4,284	\$4,370	\$4,457	\$4,546	\$4,637	\$4,730	\$4,824	\$4,921	\$5,019	\$45,989
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$52,636	\$53,689	\$54,762	\$55,858	\$56,975	\$58,114	\$59,277	\$60,462	\$61,671	\$62,905	\$576,350
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$52,636	\$53,689	\$54,762	\$55,858	\$56,975	\$58,114	\$59,277	\$60,462	\$61,671	\$62,905	\$576,350

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: Public Safety Training Fire Burn Building
Start Date/Completion Date: 2017/18 to 2018/19
Department: Southwestern Community College
Project Manager: Marc Boberg
Basis of the cost estimates provided above: Assumes building design and construction will begin in 2017-18, so FY18-19 reflects only the final 25% of construction costs coupled with occupancy

Project Title: Public Safety Training Fire Rescue Training Center
 Department: Southwestern Community College
 Project Manager: Marc Boberg

Project Description: Construction of a Fire-Rescue Training Building - consisting of a 3 story Class A pre-fabricated training/burn building and rescue tower and a 2500 SF 2 bay fire station with classroom space to be located adjacent to the Macon County Campus, Cecil Groves Center.

Project Justification: Please see below "problem/service deficiency".

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

The current training/burn building is thirty-one (31) years old, designating it as the second oldest burn building within the State of North Carolina still in active use and the only three-level building west of Buncombe County. With the age of the building are specific challenges related to the operation, maintenance and delivery of training. These include, but are not limited to:

- The current training/burn building is located on training grounds which are prone to seasonal flooding
- As a result of flooding and age, there is structural damage to the building, increasing risks associated with the use of these structurally-damaged areas during the delivery of training operations
- Currently, only two (2) rooms of the building may be utilized for live burn training
- With the increase in training operations over the past two years, the damage to these rooms has been accelerated to the point where I believe that we must begin looking at upgrades to our existing Fire-Rescue training structures and venues
- Our current facility has an anticipated life of approximately thirty (30) to thirty-six (36) months as a serviceable burn training center
- The North Carolina Department of Insurance (NCDI) recently established a requirement that in order for any Fire Department to receive certified credit for training, they must have access to a three (3) level training/burn tower and each member of the department must obtain eighteen (18) hours of training within the structure annually
- This equates to approximately 18,000 hours of additional fire training hours for the number of Fire Fighters the Division of Public Safety Training Center (PSTC) trains within its service area and is substantially increased by personnel outside of our service area who require access to our three level training facility
- There are minimum specifications required to satisfy the needs of our Fire-Rescue Training Program and the projected growth, including the requirements as established by NFPA 1403 for Class A fuel and the NCDI rating system training requirements

2. What segment and size of the population will this project serve?
 Instruction provided through the PSTC complex would serve the residents of Macon, Swain and Jackson counties.

3. Will this project reduce or increase your annual operating cost in some way?
 This project will increase annual operating costs slightly with the addition of 2500SF of classroom and equipment storage space. The additional employee projected will support this facility coupled with assisting in the Groves Center (28,000 SF with 1 employee)

4. Is this project required by federal, state or local legislation?
 No.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?
 Current PSTC Fire Rescue Training Center has exceeded useful / safe lifecycle coupled with \$1.4 million available NC Connect Bond funds to complete the project

Project Alternatives: None

Project Status/Updated:

Relationship to other projects: Would consolidate all public safety training facilities on one campus, including PSTC Education Building and PSTC Indoor Firing Range.

Explanation of Annual Operating Costs and Operations Related to Project
 Operations costs are based on current costs per SF at our other Macon County facilities but includes minimums (i.e. 1 phone line costs a minimum monthly fee of \$75 regardless of SF)

	1	2	3	4	5	6	7	8	9	10	
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	Total
Planning		\$770,000									\$770,000
Land Acquisition		\$5,000									\$5,000
Construction		\$7,700,000									\$7,700,000
Equipment/Furnishings				\$550,000							\$550,000
Other											\$0
Contingencies		\$385,000									\$385,000
Project Total	\$0	\$8,860,000	\$0	\$550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,410,000

Operating Impact											
Personnel				\$38,873	\$39,650	\$40,443	\$41,252	\$42,077	\$42,919	\$43,777	\$288,993
Utilities				\$87,506	\$89,256	\$91,041	\$92,862	\$94,719	\$96,614	\$98,546	\$650,544
Operating Costs				\$36,223	\$36,947	\$37,686	\$38,440	\$39,209	\$39,993	\$40,793	\$269,292
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$162,602	\$165,854	\$169,171	\$172,555	\$176,006	\$179,526	\$183,116	\$1,208,829
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$162,602	\$165,854	\$169,171	\$172,555	\$176,006	\$179,526	\$183,116	\$1,208,829

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: SCC Public Safety Training Center Classroom Building
Start Date/Completion Date: 7/1/2019 to 12/1/2021
Department: Southwestern Community College
Project Manager: Marc Boberg
Basis of the cost estimates provided above: Used \$200 per SF for new construction in FY 2019-2020 for a 38,500 SF building using today's dollars. Added 2% annually thereafter.

Project Title: Public Safety Training Classroom Building
Department: Southwestern Community College
Project Manager: Marc Boberg

Project Description:

Replacement of current facility plus additional instructional space for a new 38,500 sq. ft. Public Safety Training campus classroom building. The building would contain classrooms, training rooms, conference area, special training rooms, locker rooms and offices.

Project Justification:

See below in #1

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

The existing public safety training building is only 15,000 SF in area and does not provide the required space to accommodate the delivery of course offerings or specialized training requested by local and regional public safety agencies. Additionally, the planned inclusion of degree programs to move within the Division of Public Safety Training creates the need for even more classroom and office space.

2. What segment and size of the population will this project serve?

Instruction provided through the PSTC complex would serve the residents of Macon, Swain and Jackson counties.

3. Will this project reduce or increase your annual operating cost in some way?

This project will increase annual operating costs as the size of the proposed facility is larger than the existing facility and services would be provided to a larger population.

4. Is this project required by federal, state or local legislation?

No.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Design work for the project would begin in Fiscal Year 2019/20, with construction commencing in FY 2020/21 with completion in FY 2021/22.

Project Alternatives:

None

Project Status/Updated:

Relationship to other projects:

This project represents the first of two projects to expand classroom and training facilities for Southwestern Community College's Public Safety Training Program. The second project would be the construction of an Indoor Firing Range.

Explanation of Annual Operating Costs and Operations Related to Project:

Used the planning factors for a 38,500 SF building using today's dollars + 8% for the first year and then added 2% annually thereafter

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning			\$673,200								\$673,200
Land Acquisition			\$5,200								\$5,200
Construction			\$6,732,000								\$6,732,000
Equipment/Furnishings					\$150,000						\$150,000
Other											\$0
Contingencies			\$336,600								\$336,600
Project Total	\$0	\$0	\$7,747,000	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$7,897,000

Operating Impact											
Personnel					\$39,651	\$40,444	\$41,253	\$42,078	\$42,920	\$43,778	\$250,123
Utilities					\$76,760	\$78,295	\$79,861	\$81,458	\$83,087	\$84,749	\$484,211
Operating Costs					\$31,774	\$32,409	\$33,058	\$33,719	\$34,393	\$35,081	\$200,434
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$148,185	\$151,149	\$154,172	\$157,255	\$160,400	\$163,608	\$934,769
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$148,185	\$151,149	\$154,172	\$157,255	\$160,400	\$163,608	\$934,769

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Public Safety Training Indoor Firing Range			
2020/21	to	2022/23	
Southwestern Community College			
Marc Boberg			

Used \$204 per SF for new construction in FY 2020-2021 for a 33,000 indoor firing range. Added 2% annually thereafter.

Project Title: Public Safety Training Indoor Firing Range
 Department: Southwestern Community College
 Project Manager: Marc Boberg

Project Description: Construction of a 33,000 SF indoor firing range comprised of a (25) lane 50 yard range, staging area with bullet trap containment and additional storage/support facilities.

Project Justification: Currently, the PSTC instructional firing range is an outdoor firearms range located in Jackson County. The range has been in operation at this location for over thirty years. Recently, it was discovered that the soil contained lead and other metal contamination resulting from the many years of fire range activity. The College has established and begun execution of a plan to remediate the contamination as well as look for alternative location/facilities to provide these instructional services. Relocation and construction of an indoor range in Macon County would not only provide consolidation of public safety training services to one location but would also be more cost efficient for both participating agencies and the college. An indoor facility would allow for flexible operational hours as well as accommodate training during adverse weather conditions.

1. **What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?**

Relocation and construction of an indoor firearms training facility would centralize all public safety training services. Currently, Basic Law Enforcement Trainees must travel from Macon County to Jackson County to complete firearm training. Additionally, an indoor facility would allow for flexible and extended operational hours as well as accommodate training during adverse weather conditions.

2. **What segment and size of the population will this project serve?**

Instruction provided through the PSTC complex would serve the residents of Macon, Swain and Jackson counties as well as students from federal agencies.

3. **Will this project reduce or increase your annual operating cost in some way?**

This project will increase annual operating cost.

4. **Is this project required by federal, state or local legislation?**

No.

5. **Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?**

Design work for the project would begin in Fiscal Year 2020/21, with construction commencing in FY 2021/22 with completion in FY 2022/23.

Project Alternatives: None

Project Status/Updated:

Relationship to other projects: This project represents the second of two projects to expand classroom and training facilities for Southwestern Community College's Public Safety Training Program.

Explanation of Annual Operating Costs and Operations Related to Project: assumed 1 custodial crew member and 2% annual increase in operating costs

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning							\$704,000				\$704,000
Land Acquisition											\$0
Construction							\$7,040,000				\$7,040,000
Equipment/Furnishings										\$600,000	\$600,000
Other											\$0
Contingencies							\$352,000				\$352,000
Project Total	\$0	\$0	\$0	\$0	\$0	\$0	\$8,096,000	\$0	\$0	\$600,000	\$8,696,000

Operating Impact											
Personnel										\$43,778	\$43,778
Utilities										\$81,793	\$81,793
Operating Costs										\$33,858	\$33,858
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$159,429	\$159,429
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$159,429	\$159,429

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:
Start Date/Completion Date:
Department:
Project Manager:
Basis of the cost estimates provided above:

Macon Campus Science Building			
2024/2025	to	2027/2028	
Southwestern Community College			
Marc Boberg			
\$220 per SF for a 33,000 SF Education / Science building + 2% cost escalation annually			

Project Title: Macon Campus Science Building
 Department: Southwestern Community College
 Project Manager: Marc Boberg

Project Description: Construction of a new 32,000 SF science building which would include science labs/classrooms, general purpose classrooms, conference multi-purpose room and faculty/staff offices.

Project Justification: The Macon Campus Science Building is being proposed to meet the continued enrollment growth and college program needs that is anticipated in the Macon County area as well as enhance the existing Macon County Early College Program.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

The Macon Campus Science Building is being proposed to meet the continued enrollment growth and college program needs that is anticipated in the Macon County area as well as enhance the existing Macon County Early College Program. The addition of a "science" building equipped with laboratory space will allow the college to focus on offering classes related to the high demand of medical/health occupations we well as business/service fields.

2. What segment and size of the population will this project serve?

Instruction provided through the new Macon Campus Health Science Building would serve the residents of Macon, Swain and Jackson counties.

3. Will this project reduce or increase your annual operating cost in some way?

This project will increase annual operating cost.

4. Is this project required by federal, state or local legislation?

No.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Design work for the project would begin in Fiscal Year 2024/25, with construction commencing in FY 2025/26 with completion in FY 2027/28.

Project Alternatives: None

Project Status/Updated:

Relationship to other projects: None

Explanation of Annual Operating Costs and Operations Related to Project:
 2 additional custodial crew members and a straight line 2% increase in annual expenses.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Implementation & Services		\$450,000									\$450,000
GoodPickin Services for Conversion		\$55,000	\$55,000								\$110,000
											\$0
Workstations		\$30,000	\$30,000								\$60,000
Cash Terminal Stations		\$7,000									\$7,000
Contingencies		\$50,000	\$50,000								\$100,000
Project Total	\$0	\$592,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$727,000

Operating Impact											
Personnel											\$0
Utilities											\$0
IAS WORLD Relicensing & Support		\$145,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$2,393,000
IT Staff Savings		\$0									\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses		\$145,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$2,393,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$145,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$281,000	\$2,393,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title:

Tax Billing & Collection/ Appraisal Software

Start Date/Completion Date:

1/1/2020 to 6/30/2021

Department:

Tax Assessment/Collections/Appraisal/ Land Records

Project Manager:

Richard Lightner

Basis of the cost estimates provided above:

Quote by Tyler Technologies that own some of softwares we use now. THIS CIP & QUOTE DOES NOT INCLUDE HARDWARE SERVERS, SOFTWARE & RELCIENSING FOR THOSE SERVERS, CONVERSIONS FOR OTHER COUNTY APPLICATIONS!!!!

Project Title: Tax Billing & Collection/ Appraisal Software
Department: Tax Assessment/Collections/Appraisal/ Land Records
Project Manager: Richard Lightner

Project Description:

Replacemnet and upgrade of the tax office softwares that includes: tax billings, tax collections, motor vehicle billing, personal property assessment and billing, computer assisted mass appraisal system, GIS integration, permit integration, land records managemnt, mobile office field tablets, appeals management, reporting and analysis and conversions.

Project Justification:

The present software was developed in the 1970's and Macon County has been using it since 1981. The last decade or so the county has added many third party softwares to keep our system operational and in compliance with the assessment laws. We did this by hiring a third party vendor that has worked with us over the entire project. The software language has changed and this can no longer be done in the near future.

- 1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Outdated software that is no longer going to be supported by anyone in the industry. The conversion is also going to integrate the Munis financial software, Tyler Mobile Video Software and all of thax softwares.

- 2. What segment and size of the population will this project serve?

All taxable properties and taxpayers.

- 3. Will this project reduce or increase your annual operating cost in some way?

Increase since we have been self-supporting our tax products over the years.

- 4. Is this project required by federal, state or local legislation?

Required to complete the taxation and assessment functions as required by the North Carolina Machinery Act and the NCDOR.

- 5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Macon will conduct its next required reassessment as of January 01, 2019, with appeals until June 2019. Staring in the fall of 2019, we will start the software install and conversions in order for all programing to be ready to start work on 1/1/2021 on the 2023 reassessment .

Project Alternatives:

No alternatives all other softwares will add cost and not be integrated with current softwares used by the finace department and tax office.

COUNTY SERVERS AND SOFTWARE

COUNTY SERVERS, HARDWARE AND SOFTWARE NEED IN CONJUNCTION WITH THIS PROJECT WILL ALSO BE APPROXIMATELY \$500,000-1,000,000! LICENSING FEES YEARLY WILL NEED TO BE CURRENT. NEW HARWARE AND INTERNET CONNECTIONS WILL NEED TO BE VASTLY IMPROVED. MACON COUNTY'S IT DEPARTMENT WILL BE WORKING ON THESE NUMBERS AS THIS PLANNING CONTINUES

Relationship to other projects:

Revaluation 2023

Explanation of Annual Operating Costs and Operations Related to Project:

The NCDOR is requiring new enforcement of IAAO Appraisal Standards starting with the 2020 reappraisal projects, in order to meet these new stricter standards the software and staffing will need to be enhanced.

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
											\$0
											\$0
Equipment/Computers			\$25,000	\$25,000							\$50,000
Vehicle Replacement			\$35,000		\$35,000						\$70,000
Contingencies											\$0
Project Total	\$0	\$0	\$60,000	\$25,000	\$35,000	\$0	\$0	\$0	\$0	\$0	\$120,000

Operating Impact											
Personnel		\$75,000	\$125,000	\$150,000	\$150,000	\$125,000	\$125,000	\$150,000	\$150,000		\$1,050,000
Utilities											\$0
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$0	\$75,000	\$125,000	\$150,000	\$150,000	\$125,000	\$125,000	\$150,000	\$150,000	\$0	\$1,050,000
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$0	\$75,000	\$125,000	\$150,000	\$150,000	\$125,000	\$125,000	\$150,000	\$150,000	\$0	\$1,050,000

Funding Available											
Grants											\$0
Donations											\$0
Other (Specify)											\$0
Funding Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project Title: 2023 Revaluation
Start Date/Completion Date: 1/12021 to 7/1/2023
Department: Tax Assessment
Project Manager: Richard Lightner
Basis of the cost estimates provided above: 32 years experience doing revaluations and assessments, along with market data research.

Project Title: 2023 Revaluation
 Department: Tax Assessment
 Project Manager: Richard Lightner

Project Description: Revaluation of all properties in the county along with onsite list and measure as required once every other revaluation cycle. The last measure and list was in 2007.

Project Justification: The NC General Assembly has instructed the NCDOR to enforce the IAAO Standards of assessments and reappraisals. The standards became effective starting January 01, 2018 and all reassessment projects as of January 01, 2020 must meet the new standards and reporting requirements. Thus, Macon will have to have our plans in place starting January 01, 2021.

1. What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

Inaccurate data collection, values falling outside acceptable appraisal ranges, inadequate staff or revenue sources to complete given tasks, adequate softwares to carry out complete assessment functions and appeals, and standardization of the entire process. These new standards will help eliminate poorly run assessment practices.

2. What segment and size of the population will this project serve?

Entire population of the county.

3. Will this project reduce or increase your annual operating cost in some way?

Increase the overall cost.

4. Is this project required by federal, state or local legislation?

Required by State and based on International standards of appraisal as outline by Federal oversite committees and USPAP.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

Timetable tied to legislative laws.

Project Alternatives: Return to hiring outside firm to do the task at a cost of \$300,000-500,000 per year.

Project Status/Updated:

Relationship to other projects: This is also part of the new software that needs to be installed in 2020.

Explanation of Annual Operating Costs and Operations Related to Project:

	1	2	3	4	5	6	7	8	9	10	Total
Project Cost Estimates	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
Planning	\$12,000		\$12,000								\$24,000
Land Acquisition	\$0										\$0
Construction - Facility	\$175,538		\$275,000								\$450,538
Equipment/Furnishings	\$12,700										\$12,700
Other - Parking lot	\$39,550										\$39,550
Contingencies	\$10,755		\$13,750								\$24,505
Project Total	\$250,543	\$0	\$300,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$551,293

Operating Impact											
Personnel	\$0										\$0
Utilities	\$1,100		\$200	\$13							\$1,313
Operating Costs											\$0
Capital											\$0
Minus Savings (Enter as positive number)											\$0
Net Additional Expenses	\$1,100	\$0	\$200	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$1,313
Minus New Revenues (Enter as positive number)											\$0
Operating Total	\$1,100	\$0	\$200	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$1,313

Funding Available											
Grants	\$180,214		\$270,675								\$450,889
Donations											\$0
Other (Specify)											\$0
Funding Total	\$180,214	\$0	\$270,675	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$450,889

Project Title:

MCT Facility Expansion and Parking Lot

Start Date/Completion Date:

FY18 to FY21

Department:

Transit Services

Project Manager:

Kim Angel / Ryan Dunn - until project is approved and implemented

Basis of the cost estimates provided above:

Cost estimate by engineer for mock drawings (facility expansion cost), Forms & Supply Inc (furniture/equipment), NCDOT (paving of parking lot), Quotes provided by local builder (parking lot covered structure), Duke Power (lighting costs), Quotes provided by local fencing company (parking lot fencing cost)

Project Title: MCT Facility Expansion and Parking Lot
 Department: Transit
 Project Manager: Kim Angel/Ryan Dunn

Project Description:

This project proposes to expand the Transit Facility by approximately 1200SF. This will be done through a structural addition to the existing facility. The addition will be used for training and conference space, storage space, and additional office space. This expansion should increase the useful life of the facility by 40 years. In addition to the facility expansion, MCT is proposing to finish a parking area that was prepped in FY16. The parking area, owned by Macon County is approximately 3,000SF. Currently it is open with a gravel surface. Our proposal has mid to long term and short term goals. In the short term (1-2 years), it needs to have a hard surface, fencing, lighting, and security surveillance installed in order to make the area comply with federal and state requirements. Mid to long term (3-5 years), MCT will be seeking grant funds for a structure to be added to the parking area. This structure will keep vehicles from weather exposure and Operators will be sheltered while doing pre and post trip vehicle inspections (federal requirement). It will also provide additional lighting for safety in the area.

Project Justification:

Macon County Transit has experienced growth , including an increase in ridership of 18% in 3 years. Due to this growth, the current facility has become inadequate in space for the current number of employees. The currently facility space is no longer sufficient for the number of staff, the ability to hold training for new hires as well as refresher and required training. When the facility was constructed it included a conference/training room. Due to growth of the system and increased demands for service, and the need for more operational staff, the conference room was divided into two offices, one for the Scheduler and one for the Operations Supervisor. This eliminated the space that was used for training. There is NO space for training employees. All group training must be held off-site, requiring training materials to be carried to the training site. When a new hire is being trained, they are located in the current "driver's room". This is very distracting and creates a challenge for the new hire when learning new policies, processes, and procedures. There is no designated storage space for supplies and materials for the Operations department. Supplies are being stored in and around the office in multiple locations, creating challenges in finding materials that could/should be readily available. The greatest challenge MCT faces is the need to house a regional Mobility Manager. This position will be hired soon and will not have a designated office space. The person in this position will serve two transit systems as the Mobility Manager and, will need space for developing marketing materials, meeting with residents or others that may walk in to inquire about transportation service, prepare reports, etc. We see this regional position as vital to promoting public transit in Western NC. Having room in the office for this position as we continue is going to be key. By providing a quality service from a well equipped, well staffed facility that not only serves Macon County but other areas in Western NC, we feel we are providing residents with greater options to much needed services. In addition to the facility expansion, the need to complete the expanded parking lot is necessary. The current parking lot is not large enough for all 16 of the fleet vehicles, this means there is always an asset that is left in the open parking area, hence incurring risk for damage, loss, and theft of the vehicle(s). The area next to our facility was widened and prepped for a parking area during FY16 but it is unusable until we can meet the requirements for ensuring all vehicles are located in a secure, lighted and access controlled area.

What problem or service deficiency is this project designed to alleviate? To what extent will it alleviate the problem? Will it improve efficiency or effectiveness?

The facility expansion project will allow MCT to meet federal and state training requirements for operators, create storage space for required training and operations equipment, create necessary office space for employees. The parking lot portion of this project will allow MCT to meet federal and state requirements for Asset Management, safety and security, and allow for future growth of the fleet without concern of safety for the vehicles. This will improve efficiency and effectiveness in coordination of training new hires and quarterly mandated training as well as requirements for asset management.

2. What segment and size of the population will this project serve?

This project will improve MCT facilities and allow for continued growth which allows for service to anyone in Macon County that wishes to utilize the public transportation system.

3. Will this project reduce or increase your annual operating cost in some way?

There will be some increase to utility costs for the lighting

4. Is this project required by federal, state or local legislation?

The facility portion is not required. The parking lot improvements are required by federal and state legislation.

5. Why is your proposed timetable appropriate? What effect could changing your timetable have on this project?

For the facility expansion portion, it is based on funding that may become available as early as FY18. NCDOT has requested federal assistance through two different funding sources. We are waiting now to see if either of these requests are funded. The initial completion of the parking lot is appropriate because the parking lot has been partially constructed but in order to meet federal and state safety requirements will require the lighting and fencing requested in this project. The second portion of the project that involves the covered structure for the parking lot may be appropriate if funding is/becomes available through Federal and State grants. This portion of the CIP does not have a definite timeline and could be done sooner or later but will depend on grant funding availability as well as local matching fund support.

Project Alternatives:

We do not have any proposed alternatives at this time.

Project Status/Updated:


We are currently waiting to find out if our project will received Federal and/Or State funds - the match for the facility expansion is in the current budget (FY18)

Relationship to other projects:

N/A

Explanation of Annual Operating Costs and Operations Related to Project:

The only operating impact on this project will be a slight increase in monthly utility costs.



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