Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals

Section 1 - Summaries and Balances

Model Assumptions

General Assumptions

Revenue Distribution	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Operating Budget	81.0%	84.0%	84.0%	86.0%	86.0%	86.0%	86.0%	86.0%	86.0%	86.0%	86.0%	86.0%
Capital Budget	19.0%	16.0%	16.0%	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%	14.0%
TOTAL (must equal 100%)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Revenue Assumptions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Tax Revenue Growth	-0.1%	-0.5%	0.6%	0.7%	0.8%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Interest Earnings	1.5%	-19.4%	-10.2%	-33.4%	-33.4%	-33.4%	-33.4%	-33.4%	-33.4%	-33.4%	-33.4%	-33.4%

Operating Assumptions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Department Appropriations	6.1%	3.3%	2.1%	1.6%	2.0%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.3%
System-wide Expenses												
800 mHz Fire Costs	-2.5%	8.6%	-10.2%	4.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
CAD Fire Costs	-7.3%	-2.8%	23.4%	12.3%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
NC Forestry - Wildfire Prevention	2.4%	5.8%	6.2%	15.2%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Toner & Voice Pager Maint.	8.8%	231.7%	-83.1%	-11.8%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
HAZMAT Program	-5.3%	-10.1%	-5.9%	18.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
RWCC Dispatch Service	2.6%	-11.6%	-4.1%	0.5%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Fire Service Training	-4.2%	11.5%	5.9%	-1.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
County-Owned Facilities Utilties	28.9%	12.7%	-100.0%	#DIV/0!	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals

Section 1 - Summaries and Balances

Model Assumptions

Captial Assumptions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Apparatus												
Aerials	13.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Brush Trucks	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Engines	9.4%	-2.9%	2.4%	3.4%	4.2%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Rescue/Service Trucks (Large)	7.8%	5.8%	5.5%	-5.2%	6.9%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Small Vehicles	10.0%	6.1%	14.3%	-12.5%	28.6%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Tankers	19.6%	16.1%	-0.4%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Equipment												
Air Bottles	3.5%	3.5%	-45.9%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Defibillators	0.0%	0.0%	13.7%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
SCBA's	na	na	0.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Thermal Imaging Cameras (TIC)	0.0%	-19.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Turnout Gear Program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Facilities												
Construction Rate	5.0%	5.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Land Acquisition Rate	5.0%	5.0%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Stony Hill Remediation Rate	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals

Section 1 - Summaries and Balances

Model Assumptions

Debt Service Assumptions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Interest Rates												
Apparatus	4.75%	4.75%	4.75%	1.49%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.5%
Facilities	5.25%	5.00%	4.75%	4.75%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.5%
Ammortization (Term in Years)												
Apparatus	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Facilities	20.0	20.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Cost Sharing Assumptions - Municipal and Non-profit Departments

Cost Share Assumptions	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Municipal Departments												
Apex	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%
Fuquay-Varina	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%	47.0%
Holly Springs	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%	22.0%
Morrisville	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%	21.0%
Zebulon	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Not-for-profit Departments												
Garner	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%	45.3%
Rolesville	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%
Wake Forest	22.0%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%

Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals
Section 1 - Summaries and Balances

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WAKE COUNTY

Fire Tax Fund - Detailed Operating Summary

SOURCES	2010 Actuals	2011 Actuals	2012 Actuals	2013 Budget	2013 Act (CAFR)	2014 Budget	2015 Projection	2016 Projection	2017 Projection	2018 Projection	2019 Projection	2020 Projection	2021 Projection	2022 Projection	2023 Projection	2024 Projection	2025 Projection	2026 Projection	2027 Projection	2028 Projection	2029 Projection	2030 Projection	2031 Projection	2032 Projection	2033 Projection	2034 Projection	2035 Projection
Tax Revenue																											
Operating Distribution of Fire Tax Revenues	16,614,016	17,202,720	17,220,185	17,341,900	18,089,456	17,812,320	17,784,605	18,170,940	18,352,400	18,535,580	18,721,340	18,908,820	19,098,020	19,288,940	19,481,580	19,676,800	19,873,740	20,072,400	20,272,780	20,475,740	20,680,420	20,886,820	21,095,800	21,306,500	21,519,780	21,734,780	21,952,350
Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Tax Revenue	16,614,016	17,202,720	17,220,185	17,341,900	18,089,456	17,812,320	17,784,605	18,170,940	18,352,400	18,535,580	18,721,340	18,908,820	19,098,020	19,288,940	19,481,580	19,676,800	19,873,740	20,072,400	20,272,780	20,475,740	20,680,420	20,886,820	21,095,800	21,306,500	21,519,780	21,734,780	21,952,350
Other Revenues																											
Interest Income				5,000	45,755	15,000	15,000	15,000	15,000	15,000	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments		-		-	(29,571)	-	-	-	-	-	-	-								-	-						-
Subtotal - Other Revenues	-	-	-	5,000	15,188	15,000	15,000	15,000	15,000	15,000	15,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUE SOURCES	16,614,016	17,202,720	17,220,185	17,346,900	18,104,642	17,827,320	17,799,605	18,185,940	18,367,400	18,550,580	18,735,340	18,923,820	19,098,020	19,288,940	19,481,580	19,676,800	19,873,740	20,072,400	20,272,780	20,475,740	20,680,420	20,886,820	21,095,800	21,306,500	21,519,780	21,734,780	21,952,350

USES	2010 Actuals	2011 Actuals	2012 Actuals	2013 Budget	2013 Actual	2014 Projection	2015 Projection	2016 Projection	2017 Projection	2018 Projection	2019 Projection	2020 Projection	2021 Projection	2022 Projection	2023 Projection	2024 Projection	2025 Projection	2026 Projection	2027 Projection	2028 Projection	2029 Projection	2030 Projection	2031 Projection	2032 Projection	2033 Projection	2034 Projection	2035 Projection
Department & Systemwide																											
Department Appropriations	15,348,916	15,850,129	16,165,479	16,429,771	16,774,406	16,885,194	17,371,592	17,762,453	18,162,108	18,570,756	18,988,596	19,415,841	19,852,698	20,299,383	20,756,119	21,223,132	21,700,653	22,188,917	22,688,168	23,198,652	23,720,621	24,254,335	24,800,058	25,358,059	25,928,615	26,512,009	27,108,529
Systemwide Appropriations	798,071	887,069	794,619	813,010	813,010	940,753	895,305	904,108	912,999	921,979	931,049	940,209	934,461	943,806	953,244	962,777	972,404	982,125	991,950	1,001,869	1,011,888	1,022,007	1,032,227	1,042,549	1,052,975	1,063,504	1,074,139
Subtotal - Department Appropriations	16,146,987	16,737,198	16,960,098	17,242,781	17,587,416	17,825,947	18,266,897	18,666,561	19,075,107	19,492,735	19,919,647	20,356,051	20,787,159	21,243,189	21,709,364	22,185,909	22,673,057	23,171,046	23,680,118	24,200,521	24,732,509	25,276,342	25,832,285	26,400,608	26,981,590	27,575,514	28,182,669
Expansions & Proposals																											
Operating Costs; Wendell Falls Station																											
Subtotal - Wendell Falls Operating Costs	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal - Dept & Systemwide Uses	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL USES	16,146,987	16,737,198	16,960,098	17,242,781	17,587,416	17,825,947	18,266,897	18,666,561	19,075,107	19,492,735	19,919,647	20,356,051	20,787,159	21,243,189	21,709,364	22,185,909	22,673,057	23,171,046	23,680,118	24,200,521	24,732,509	25,276,342	25,832,285	26,400,608	26,981,590	27,575,514	28,182,669
DIFFERENCE	467,029	465,522	260,087	104,119	517,226	1,373	(467,292)	(480,621)	(707,707)	(942,155)	(1,183,307)	(1,432,231)	(1,689,139)	(1,954,249)	(2,227,784)	(2,509,109)	(2,799,317)	(3,098,646)	(3,407,338)	(3,724,781)	(4,052,089)	(4,389,522)	(4,736,485)	(5,094,108)	(5,461,810)	(5,840,734)	(6,230,319)

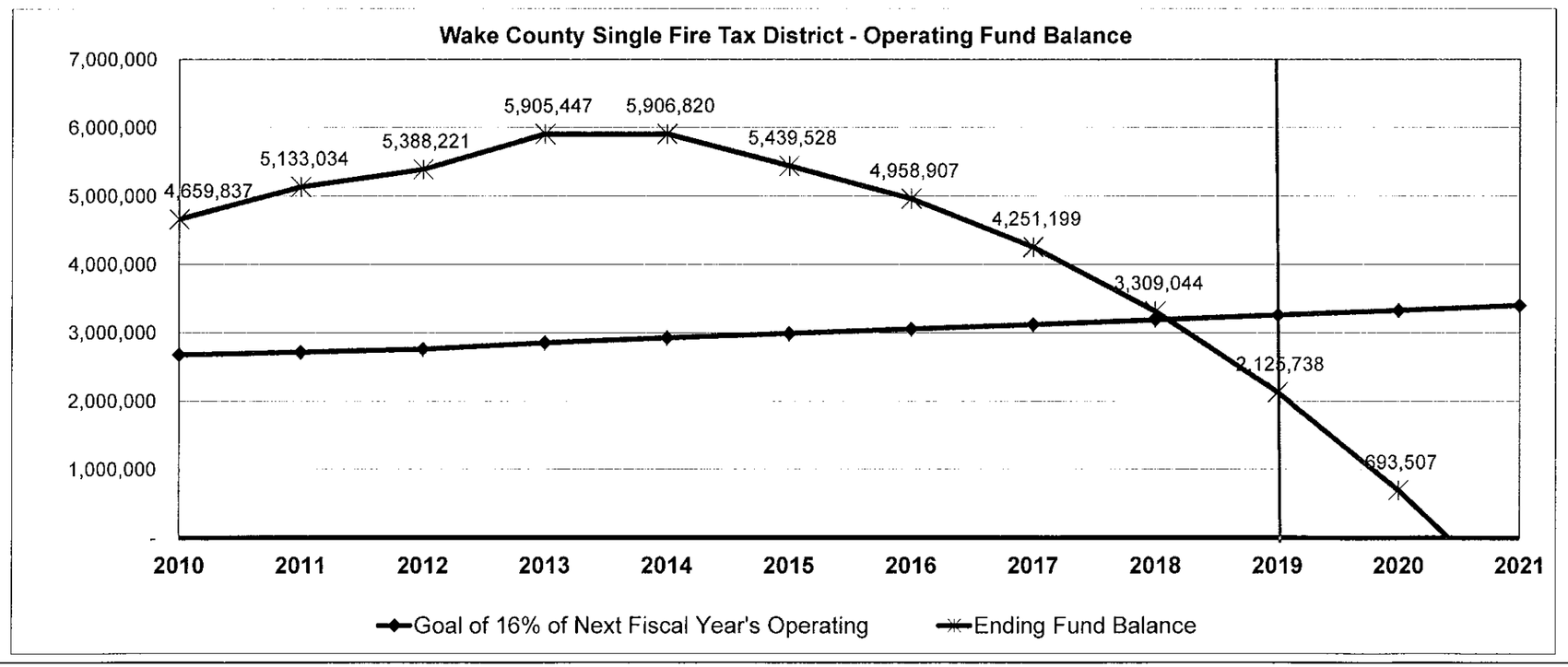
Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals

Section 1 - Summaries and Balances

WAKE COUNTY NORTH CAROLINA

Fire Tax Fund - Operating Fund Balance

Fund Balance	2010 Actuals	2011 Actuals	2012 Actuals	2013 Act (CAFR)	2014 Projection	2015 Projection	2016 Projection	2017 Projection	2018 Projection	2019 Projection	2020 Projection	2021 Projection
Beginning Fund Balance	4,192,807	4,659,837	5,133,034	5,388,221	5,905,447	5,906,820	5,439,528	4,958,907	4,251,199	3,309,044	2,125,738	693,507
Interest Earnings Assumption (see assumptions)	1.50%	-19.41%	-10.16%	-33.44%	-33.44%	-33.44%	-33.44%	-33.44%	-33.44%	-33.44%	-33.44%	-33.44%
Interest Earned from Fund Balance	-	-	-	-	-	-	-	-	-	-	-	-
Increase in Fund Balance	467,029	465,522	260,087	517,226	1,373	-	-	-	-	-	-	-
Decrease in Fund Balance	-	-	-	-	-	(467,292)	(480,621)	(707,707)	(942,155)	(1,183,307)	(1,432,231)	(1,689,139)
Adjustments	1	7,675	(4,900)	-	-	-	-	-	-	-	-	-
Ending Fund Balance	**4,659,837**	**5,133,034**	**5,388,221**	**5,905,447**	**5,906,820**	**5,439,528**	**4,958,907**	**4,251,199**	**3,309,044**	**2,125,738**	**693,507**	**(995,632)**
Other Fund Balance Calculations												
Operating Expenses	16,146,987	16,737,198	16,960,098	17,242,781	17,825,947	18,266,897	18,666,561	19,075,107	19,492,735	19,919,647	20,356,051	20,787,159
Fund Balance - Percent of Next Fiscal Year's Operating	27.8%	30.3%	31.2%	33.1%	32.3%	29.1%	26.0%	21.8%	16.6%	10.4%	3.3%	-4.7%
Goal of 16% of Next Fiscal Year's Operating	2,677,952	2,713,616	2,758,845	2,852,152	2,922,704	2,986,650	3,052,017	3,118,838	3,187,143	3,256,968	3,325,945	3,398,910
Amount above/(below) 16% goal	1,981,885	2,419,419	2,629,376	3,053,296	2,984,116	2,452,878	1,906,889	1,132,362	121,901	(1,131,230)	(2,632,438)	(4,394,542)



Fire Tax Model - FY 2014 Adopted with FY 2013 Audited Actuals

Section 3 - Operating Expenditures

Department Appropriations

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Applicable Assumptions	2011	2012	2013	ADOPTED 2014	2015	2016	2017	2018	2019	2020	2021
Department Appropriations											
Department Appropriation Escalator	3.27%	2.13%	2.00%	1.75%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%	2.25%

Source: Assumptions are provided by the Fire Budget Committee and reviewed by Budget & Management Services.

Funding Schedule	Cost-Share	Data	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Apex	20.0%	*Amount*	663,964	673,789	686,400	707,525	707,351	723,266	739,540	756,180	773,194	790,590	808,379
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Bay Leaf	100.0%	*Amount*	1,389,200	1,476,402	1,505,172	1,535,169	1,545,226	1,579,994	1,615,544	1,651,893	1,689,061	1,727,065	1,765,924
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Cary	100.0%	*Amount*	55,206	54,396	58,871	70,000	71,575	73,185	74,832	76,516	78,237	79,998	81,798
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Durham Highway	100.0%	*Amount*	716,060	721,994	730,372	745,314	746,375	763,169	780,340	797,898	815,850	834,207	852,976
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Eastern Wake	100.0%	*Amount*	1,441,479	1,445,930	1,480,409	1,528,673	1,642,312	1,679,264	1,717,047	1,755,681	1,795,184	1,835,575	1,876,876
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Fairview	100.0%	*Amount*	1,053,908	1,124,652	1,129,995	1,141,926	1,165,947	1,192,181	1,219,005	1,246,432	1,274,477	1,303,153	1,332,474
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Falls (Station 5 operated by V	100.0%	*Amount*	322,215	305,354	290,086	275,000	-	[redacted]	-	-	-	-	-
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Fuquay-Varina	47.0%	*Amount*	1,310,302	1,328,728	1,354,914	1,389,098	1,402,256	1,433,807	1,466,067	1,499,054	1,532,783	1,567,270	1,602,534
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Garner	45.3%	*Amount*	1,484,637	1,508,942	1,530,689	1,598,878	1,675,403	1,713,100	1,751,644	1,791,056	1,831,355	1,872,561	1,914,693
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Holly Springs	22.0%	*Amount*	388,674	393,677	409,466	422,738	576,422	589,391	602,653	616,212	630,077	644,254	658,750
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Hopkins	100.0%	*Amount*	676,828	693,324	708,363	722,842	742,412	759,116	776,196	793,661	811,518	829,777	848,447
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Morrisville	21.0%	*Amount*	750,214	762,239	775,842	794,122	820,466	838,926	857,802	877,103	896,838	917,017	937,649
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Raleigh	100.0%	*Amount*	-	-	-	-	-	-	-	-	-	-	-
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Rolesville	82.0%	*Amount*	529,590	535,283	548,872	559,803	720,012	736,212	752,777	769,715	787,033	804,741	822,848
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Stony Hill	100.0%	*Amount*	944,918	954,484	967,119	982,845	1,011,798	1,034,563	1,057,841	1,081,643	1,105,980	1,130,864	1,156,308
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Swift Creek	100.0%	*Amount*	479,065	483,565	483,565	486,939	489,060	500,064	511,315	522,820	534,583	546,611	558,910
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Wake Forest	22.0%	*Amount*	375,792	381,093	384,707	407,754	430,794	440,487	450,398	460,532	470,894	481,489	492,322
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Wake-New Hope	100.0%	*Amount*	1,014,939	1,057,483	1,069,624	1,095,054	1,104,132	1,128,975	1,154,377	1,180,350	1,206,908	1,234,064	1,261,830
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Wendell	100.0%	*Amount*	1,300,000	1,319,324	1,345,440	1,367,095	1,490,005	1,523,530	1,557,810	1,592,860	1,628,700	1,665,345	1,702,816
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
D Western Wake	100.0%	*Amount*	518,775	519,305	520,506	520,506	570,417	583,251	596,375	609,793	623,513	637,542	651,887
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Zebulon	50.0%	*Amount*	434,363	440,414	449,358	533,893	459,629	469,971	480,545	491,357	502,413	513,717	525,276
		Adjustment	-	-	-	-	-	-	-	-	-	-	-
Adjustments	100.0%	*Amount*	-	-			-	-	-	-	-	-	-
		Adjustment	-	-		-	-	-	-	-	-	-	-
TOTAL - Department Appro.			**15,850,129**	**16,170,377**	**16,429,771**	**16,885,194**	**17,371,592**	**17,762,453**	**18,162,108**	**18,570,756**	**18,988,598**	**19,415,841**	**19,852,698**

Note: Appropriation does not include pre-existing debt service which is accounted for elsewhere in the model.

Funding Percentages	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Percent Change FY to FY											
Systemwide Percent Change --- ---	**3.27%**	**2.02%**	**1.60%**	**2.77%**	**2.88%**	**2.25%**	**2.25%**	**2.25%**	**2.25%**	**2.25%**	**2.25%**
Percent of Total Department Appropriations											
SUBTOTAL - Debt Sources	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100.00%**