

**TOWN OF CARY
CUMULATIVE IMPACTS OF
FYS 2015 – 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS
ON THE OPERATING BUDGET**

An important criterion to consider when developing a capital improvements budget/plan is the financial impact that a completed capital project will have on a municipality's operating budget. While some completed projects may have little to no staffing or operating/maintenance costs associated with them (i.e. the replacement of a culvert), others may bear considerable annual costs (i.e. the opening of a newly constructed fire station) that must be borne by the Town's operating budget.

The Town of Cary's capital budgeting process is such that costs of this nature are estimated for each project during project request development. Staffing costs (known as personnel costs) and operating and maintenance (O&M) costs are estimated in current fiscal year dollars and note the costs associated with staffing, operating, and maintaining the capital item during its first full year of operation. Schedules are then developed applying a 5% inflation rate per year to provide a more accurate accounting of future year operating budget impacts that the project will likely have on the operating funds.

The Town of Cary's operating impact forecasts are based on five key assumptions. These assumptions should be referenced when interpreting the tables and graphs outlining the cumulative impacts of the Town of Cary's current capital improvements plan on the Town's operating budget for the next ten years.

1. Operating impacts are defined as any staffing or maintenance needs associated with a completed capital project that must be met on an annual basis in order to run or maintain the item, facility or asset.
2. Operating impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget.
3. Operating impacts contained within these schedules are cumulative. For example, operating impacts beginning in FY 2016 are factored into the following years' impact figures.
4. Operating impacts are effective the first year that the project is complete and fully functioning.
5. Inflation for operating costs is calculated at 5% per year. The Town bases its inflation factor on construction, building and materials cost indices and is intentionally conservative (higher than current levels).

TOWN OF CARY
CUMULATIVE IMPACTS OF FYS 2015 - 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS
ON FUTURE OPERATING BUDGETS
(INCLUDES ONLY PROJECTS WITH IDENTIFIED OPERATING IMPACTS)

Note: Operating impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

Intentionally Conservative Annual Inflation Percentage				5%	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr
Project Category	Project Type	Project Title	Total Projected Personnel Cost Related to Projects in CIP	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
FIRE	Stations with Pumpers	Northwestern Cary Fire Station with 911 Backup Center	16,995,848	-	-	1,854,583	1,931,697	2,008,811	2,085,924	2,163,038	2,240,152	2,317,265	2,394,379	
FIRE	Stations with Pumpers	Southwestern Cary - Fire Station	4,711,644	-	-	-	-	-	-	-	-	2,317,265	2,394,379	
FIRE	Stations with Pumpers	Walnut Street Area - Fire Station #9	15,836,279	1,315,216	1,374,863	1,434,510	1,494,157	1,553,804	1,613,451	1,673,098	1,732,745	1,792,392	1,852,039	
FIRE	Stations with Pumpers	West Lake Area - Middle Creek - Fire Station	9,114,833	-	-	-	-	-	-	2,163,038	2,240,152	2,317,265	2,394,379	
GENERAL	Equipment	Town Website Overhaul	937,454	77,856	81,387	84,918	88,449	91,980	95,511	99,042	102,573	106,104	109,634	
PARKS	Special Facilities	Cary Tennis Park Expansion - Interlocal	597,760	49,644	51,896	54,147	56,399	58,650	60,902	63,153	65,405	67,656	69,908	
PARKS	Special Facilities	Future Community Centers	155,250	-	-	-	-	-	-	-	-	-	155,250	
PARKS	Special Facilities	USA Baseball National Training Facility Improvements - Interlocal	539,923	-	51,120	53,338	55,556	57,774	59,991	62,209	64,427	66,645	68,863	
PARKS	Special Facilities	WakeMed Soccer Park Facility Improvements - Interlocal	108,938	-	-	-	-	-	20,288	21,038	21,788	22,538	23,288	
TRANSPORTATION	Alternate Modes	Cary Transit (C-Tran) Regional Transit Facility	551,000	-	-	60,125	62,625	65,125	67,625	70,125	72,625	75,125	77,625	
WATER	Water Treatment	Cary/Apex Water Treatment Plant Phase III Expansion and Improvements From 40 to 56 MGD	2,204,000	-	-	240,500	250,500	260,500	270,500	280,500	290,500	300,500	310,500	
WATER	Water Treatment	Cary/Apex Water Treatment Plant Phase IV Expansion and Improvements From 56 to 64 MGD	901,500	-	-	-	-	-	-	-	290,500	300,500	310,500	
Total Estimated Personnel Impacts			52,654,429	1,442,717	1,559,267	3,782,122	3,939,383	4,096,644	4,274,192	6,595,241	7,120,865	9,683,255	10,160,743	

Intentionally Conservative Annual Inflation Percentage				5%	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr
Project Category	Project Type	Project Title	Total Projected Personnel Cost Related to Projects in CIP	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
FIRE	Fire Apparatus	Aerial Ladder Truck (New)	153,374	-	14,522	15,152	15,782	16,412	17,042	17,672	18,302	18,932	19,562
FIRE	Special Facilities	Fire Regional Training Center	220,400	-	-	24,050	25,050	26,050	27,050	28,050	29,050	30,050	31,050
FIRE	Stations with Pumpers	Northwestern Cary Fire Station with 911 Backup Center	1,638,992	-	-	-	209,100	217,447	225,794	234,142	242,489	250,836	259,184
FIRE	Stations with Pumpers	Northwestern Cary Fire Station - Pumper	138,852	-	-	15,152	15,782	16,412	17,042	17,672	18,302	18,932	19,562
FIRE	Stations with Pumpers	Southwestern Cary Fire Station	259,184	-	-	-	-	-	-	-	-	-	259,184
FIRE	Stations with Pumpers	Southwestern Cary Fire Station - Pumper	38,493	-	-	-	-	-	-	-	-	-	18,932
FIRE	Stations with Pumpers	Walnut Street Area - Fire Station #9	543,320	-	51,442	53,674	55,905	58,137	60,369	62,601	64,832	67,064	69,296
FIRE	Stations with Pumpers	Walnut Street Area - Pumper	138,852	-	-	15,152	15,782	16,412	17,042	17,672	18,302	18,932	19,562
FIRE	Stations with Pumpers	West Lake Area - Middle Creek - Fire Station	153,818	-	-	-	-	-	-	-	49,567	51,273	52,979
FIRE	Stations with Pumpers	West Lake Area - Middle Creek - Pumper	56,795	-	-	-	-	-	-	-	18,302	18,932	19,562
GENERAL	Equipment	Clean Fuel Advanced Technologies	227,003	18,853	19,708	20,563	21,418	22,273	23,128	23,983	24,838	25,693	26,548
GENERAL	Major Maintenance	Town Website Overhaul	424,800	35,280	36,880	38,480	40,080	41,680	43,280	44,880	46,480	48,080	49,680
GENERAL	Special Facilities for Operations	Garmon Operations Center Facility Improvements - Phase II	365,175	-	34,575	36,075	37,575	39,075	40,575	42,075	43,575	45,075	46,575
GENERAL	Special Facilities for Operations	West District Facility Improvements - Phase III	58,905	-	-	-	7,515	7,815	8,115	8,415	8,715	9,015	9,315
GENERAL	Storm Drainage	Regional Best Management Practices Plan - Stormwater	66,375	5,513	5,763	6,013	6,263	6,513	6,763	7,013	7,263	7,513	7,763
PARKS	Greenways	Bishop's Gate Greenway - Phase II	14,607	-	1,383	1,443	1,503	1,563	1,623	1,683	1,743	1,803	1,863
PARKS	Greenways	Camp Branch (Churchill Estates) Greenway	13,593	-	-	-	-	-	-	3,226	3,341	3,456	3,571
PARKS	Greenways	Dutchman's Branch Greenway - Phase I	22,591	-	-	2,465	2,568	2,670	2,773	2,875	2,978	3,080	3,183
PARKS	Greenways	Glenkirk Greenway - Phase II	18,843	-	-	-	-	2,866	2,976	3,086	3,196	3,306	3,416
PARKS	Greenways	Greenwood Circle Greenway	26,871	-	-	-	-	-	5,004	5,189	5,374	5,559	5,744
PARKS	Greenways	Hatcher Grove (Carpenter Village) Greenway	48,449	-	-	-	6,181	6,428	6,675	6,921	7,168	7,415	7,662
PARKS	Greenways	Dutchman's Branch Greenway - Phase I	22,591	-	-	2,465	2,568	2,670	2,773	2,875	2,978	3,080	3,183
PARKS	Greenways	Glenkirk Greenway - Phase II	18,843	-	-	-	-	2,866	2,976	3,086	3,196	3,306	3,416
PARKS	Greenways	Greenwood Circle Greenway	26,871	-	-	-	-	-	5,004	5,189	5,374	5,559	5,744
PARKS	Greenways	Hatcher Grove (Carpenter Village) Greenway	48,449	-	-	-	6,181	6,428	6,675	6,921	7,168	7,415	7,662
PARKS	Greenways	Higgins Greenway - Phase III	45,038	-	4,264	4,449	4,634	4,819	5,004	5,189	5,374	5,559	5,744
PARKS	Greenways	Middle Creek School Park/Greenway	16,678	-	-	-	-	-	-	-	5,374	5,559	5,744
PARKS	Greenways	New Hope Church Road Trailhead Park Amenities	206,168	-	-	-	26,303	27,353	28,403	29,453	30,503	31,553	32,603
PARKS	Greenways	O'Kelly Chapel Road Streetside Trail	55,100	-	-	6,013	6,263	6,513	6,763	7,013	7,263	7,513	7,763
PARKS	Greenways	Piney Plains Greenway - Phase II	31,691	-	-	-	-	4,819	5,004	5,189	5,374	5,559	5,744
PARKS	Greenways	Speight Branch Greenway - Phase II	70,843	-	-	-	9,038	9,399	9,760	10,120	10,481	10,842	11,203
PARKS	Greenways	White Oak Creek Greenway Trailhead	205,763	17,089	17,864	18,639	19,414	20,189	20,964	21,739	22,514	23,289	24,064
PARKS	Greenways	Piney Plains Greenway - Phase II	31,691	-	-	-	-	4,819	5,004	5,189	5,374	5,559	5,744
PARKS	Parks	Cameron Pond Neighborhood Park	1,825,875	-	172,875	180,375	187,875	195,375	202,875	210,375	217,875	225,375	232,875
PARKS	Parks	Downtown Park - Future Phases	1,472,625	-	-	-	187,875	195,375	202,875	210,375	217,875	225,375	232,875
PARKS	Parks	Future Community Parks	1,016,750	-	-	-	-	-	189,350	196,350	203,350	210,350	217,350
PARKS	Parks	Future Community Parks	427,700	-	-	-	-	-	-	-	-	210,350	217,350
PARKS	Parks	Future Neighborhood Parks	508,375	-	-	-	-	-	94,675	98,175	101,675	105,175	108,675
PARKS	Parks	Future Neighborhood Parks	315,525	-	-	-	-	-	-	-	101,675	105,175	108,675
PARKS	Parks	Future Park Spraygrounds	428,250	-	-	-	-	65,125	67,625	70,125	72,625	75,125	77,625
PARKS	Parks	Future Park Spraygrounds	295,500	-	-	-	-	-	-	70,125	72,625	75,125	77,625
PARKS	Parks	Green Level High School Park	508,375	-	-	-	-	-	94,675	98,175	101,675	105,175	108,675
PARKS	Parks	Macedonia Lake Neighborhood Park	114,190	-	-	-	-	-	-	-	-	56,160	58,029
PARKS	Parks	Morris Branch Neighborhood Park	508,375	-	-	-	-	-	94,675	98,175	101,675	105,175	108,675

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ON FUTURE OPERATING BUDGETS
(INCLUDES ONLY PROJECTS WITH IDENTIFIED OPERATING IMPACTS)

Note: Operating impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

				Intentionally Conservative Annual Inflation Percentage 5%										
Project Category	Project Type	Project Title	Total Projected Personnel Cost Related to Projects in CIP	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr	Plan Yr
				2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
PARKS	Parks	Twin Lakes Neighborhood Park	508,375	-	-	-	-	-	-	94,675	98,175	101,675	105,175	108,675
	Renovations -													
PARKS	Park and Greenway	Green Hope Elementary School Park Improvements	22,538	-	-	-	-	-	-	-	-	7,263	7,513	7,763
PARKS	Special Facilities	Cary Tennis Park Expansion - Interlocal	1,188,113	98,674	103,149	107,624	112,099	116,574	121,049	125,524	129,999	134,474	138,949	143,424
PARKS	Special Facilities	CF Ferrell Store Site	599,550	-	-	-	-	-	91,175	94,675	98,175	101,675	105,175	108,675
PARKS	Special Facilities	Future Community Centers	388,125	-	-	-	-	-	-	-	-	-	-	388,125
PARKS	Special Facilities	TCAP - Digital Arts Center	49,088	-	-	-	-	6,263	6,513	6,763	7,013	7,263	7,513	7,763
PARKS	Special Facilities	USA Baseball National Training Facility Improvements - Interlocal	3,043,125	-	288,125	300,625	313,125	325,625	338,125	350,625	363,125	375,625	388,125	400,625
PARKS	Special Facilities	WakeMed Soccer Park Facility Improvements - Interlocal	305,533	-	-	-	-	-	56,900	59,003	61,107	63,210	65,314	67,417
TRANSPORTATION	Alternate Modes	Cary Transit (C-Tran) Regional Transit Facility	1,102,000	-	-	120,250	125,250	130,250	135,250	140,250	145,250	150,250	155,250	160,250
WATER	Other Water Projects	Aquastar Additional Infrastructure	14,525	-	-	-	-	-	2,705	2,805	2,905	3,005	3,105	3,205
WATER	Water Storage Tanks	Western Cary Water Storage Tank	238,950	19,845	20,745	21,645	22,545	23,445	24,345	25,245	26,145	27,045	27,945	28,845
WATER	Water Treatment		1,818,300	-	-	198,413	206,663	214,913	223,163	231,413	239,663	247,913	256,163	264,413
		Cary/Apex Water Treatment Plant Phase IV Expansion and Improvements From 56 to 64 MGD	504,075	-	-	-	-	-	-	-	-	-	247,913	256,163
Total Estimated Operating & Maintenance Impacts			22,612,851	195,253	771,293	1,188,713	1,696,595	1,935,993	2,647,975	2,819,217	3,101,904	3,742,036	4,513,872	5,325,754
Total Estimated Operating Impacts			75,267,281	1,637,970	2,330,560	4,970,836	5,635,978	6,032,637	6,922,167	9,414,458	10,222,769	13,425,291	14,674,615	16,181,486

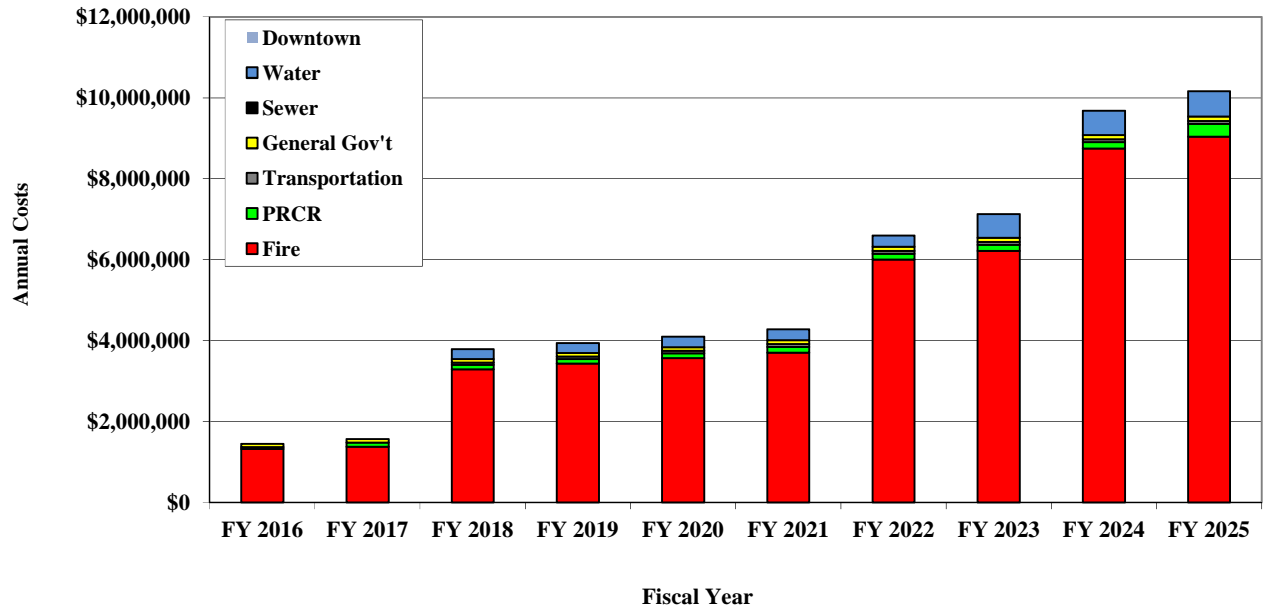
TOWN OF CARY
CUMULATIVE IMPACTS OF FYS 2015- 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE
OPERATING BUDGETS
(BY OPERATING EXPENDITURE CATEGORY)

PERSONNEL IMPACTS - presented by Capital Project Type

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2016	-	-	-	1,315,216	49,644	77,856	-	1,442,717
FY 2017	-	-	-	1,374,863	103,016	81,387	-	1,559,267
FY 2018	240,500	-	60,125	3,289,094	107,485	84,918	-	3,782,122
FY 2019	250,500	-	62,625	3,425,854	111,955	88,449	-	3,939,383
FY 2020	260,500	-	65,125	3,562,615	116,424	91,980	-	4,096,644
FY 2021	270,500	-	67,625	3,699,376	141,181	95,511	-	4,274,192
FY 2022	280,500	-	70,125	5,999,174	146,400	99,042	-	6,595,241
FY 2023	581,000	-	72,625	6,213,048	151,619	102,573	-	7,120,865
FY 2024	601,000	-	75,125	8,744,188	156,838	106,104	-	9,683,255
FY 2025	621,000	-	77,625	9,035,176	317,308	109,634	-	10,160,743
Total	3,105,500	-	551,000	46,658,604	1,401,871	937,454	-	52,654,429

Note: Personnel impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Personnel impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

**Total Cumulative Personnel Costs Associated With
FYs 2015-2025 CIB/P Projects**



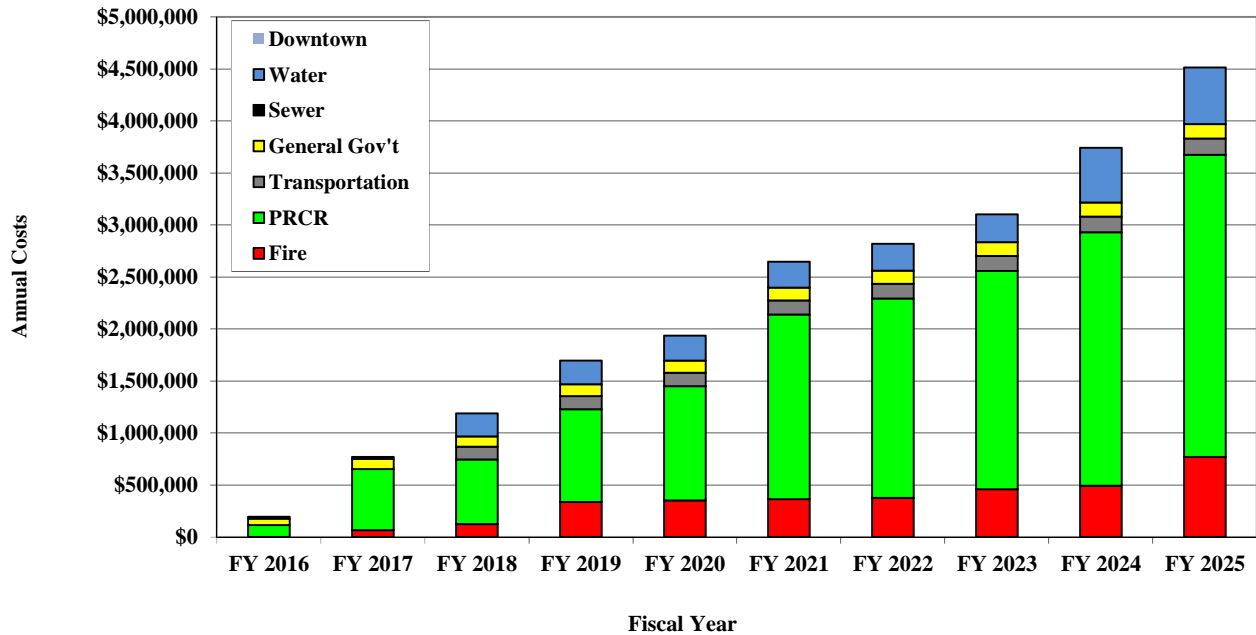
TOWN OF CARY
CUMULATIVE IMPACTS OF FYS 2015 - 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE
OPERATING BUDGETS
(BY OPERATING EXPENDITURE CATEGORY)

OPERATING & MAINTENANCE IMPACTS - presented by Capital Project Type

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2016	19,845	-	-	-	115,763	59,645	-	195,253
FY 2017	20,745	-	-	65,963	587,660	96,925	-	771,293
FY 2018	220,058	-	120,250	123,178	624,098	101,130	-	1,188,713
FY 2019	229,208	-	125,250	337,400	891,888	112,850	-	1,696,595
FY 2020	238,358	-	130,250	350,869	1,099,162	117,355	-	1,935,993
FY 2021	250,213	-	135,250	364,338	1,776,314	121,860	-	2,647,975
FY 2022	259,463	-	140,250	377,807	1,915,333	126,365	-	2,819,217
FY 2023	268,713	-	145,250	459,144	2,097,927	130,870	-	3,101,904
FY 2024	525,875	-	150,250	493,881	2,436,655	135,375	-	3,742,036
FY 2025	543,375	-	155,250	769,500	2,905,867	139,880	-	4,513,872
Total	2,575,850	-	1,102,000	3,342,079	14,450,665	1,142,258	-	22,612,851

Note: Operating impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Operating impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

**Total Cumulative Operating and Maintenance Costs Associated With
FYs 2015-2025 CIB/P Projects**



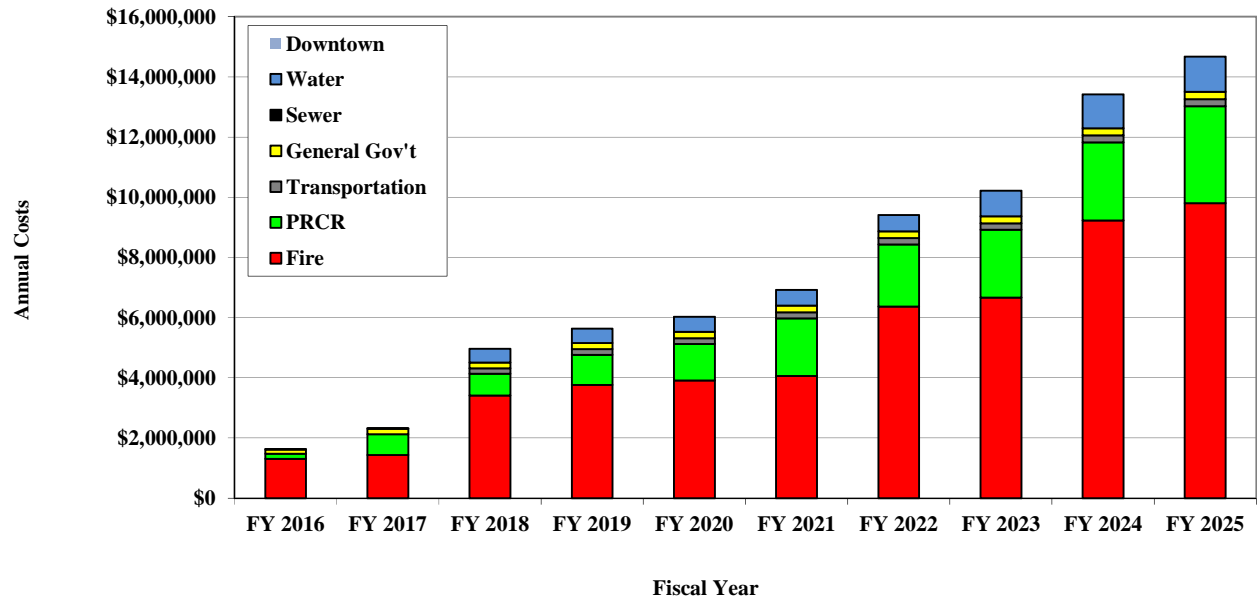
TOWN OF CARY
CUMULATIVE IMPACTS OF FYS 2015- 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE
OPERATING BUDGETS
(BY OPERATING EXPENDITURE CATEGORY)

COMBINED IMPACTS (Personnel and O&M) - presented by Capital Project Type

Fiscal Year of Impact	Water	Sewer	Transportation	Fire	PRCR	General Gov't	Downtown	Total
FY 2016	19,845	-	-	1,315,216	165,407	137,502	-	1,637,970
FY 2017	20,745	-	-	1,440,827	690,676	178,312	-	2,330,560
FY 2018	460,558	-	180,375	3,412,272	731,583	186,048	-	4,970,836
FY 2019	479,708	-	187,875	3,763,254	1,003,842	201,299	-	5,635,978
FY 2020	498,858	-	195,375	3,913,484	1,215,585	209,335	-	6,032,637
FY 2021	520,713	-	202,875	4,063,713	1,917,495	217,371	-	6,922,167
FY 2022	539,963	-	210,375	6,376,981	2,061,733	225,407	-	9,414,458
FY 2023	849,713	-	217,875	6,672,192	2,249,546	233,443	-	10,222,769
FY 2024	1,126,875	-	225,375	9,238,069	2,593,494	241,479	-	13,425,291
FY 2025	1,164,375	-	232,875	9,804,676	3,223,175	249,515	-	14,674,615
Total	5,681,350	-	1,653,000	50,000,683	15,852,536	2,079,711	-	75,267,281

Note: Impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

**Total Cumulative Personnel and O&M Costs Associated With
FYs 2015-2025 CIB/P Projects**



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CUMULATIVE IMPACTS OF FYS 2015 - 2025 CAPITAL IMPROVEMENTS BUDGET/PLAN PROJECTS ON FUTURE OPERATING BUDGETS

COMBINED IMPACTS (Personnel and O&M) - presented by Operating Fund

Fiscal Year of Impact	Utility Fund	General Fund	Total
FY 2016	19,845	1,618,125	1,637,970
FY 2017	20,745	2,309,815	2,330,560
FY 2018	460,558	4,510,278	4,970,836
FY 2019	479,708	5,156,271	5,635,978
FY 2020	498,858	5,533,779	6,032,637
FY 2021	520,713	6,401,454	6,922,167
FY 2022	539,963	8,874,495	9,414,458
FY 2023	849,713	9,373,057	10,222,769
FY 2024	1,126,875	12,298,416	13,425,291
FY 2025	1,164,375	13,510,240	14,674,615
Total	5,681,350	69,585,931	75,267,281

Note: Impacts associated with capital projects coming on-line during FY 2015 are incorporated within the Town of Cary's Annual Operating Budget. Impacts contained within this schedule are effective the first year that a project is complete and fully functioning.

Total Operating Impacts (Personnel and O&M) of Projects Contained Within the FYs 2015 - 2025 CIB/P - by Operating Fund

