



City of
Washington
NORTH CAROLINA
Special Meeting
March 6, 2017
5:30 PM

Opening of Meeting

Nondenominational Invocation

Roll Call

1. **Discussion** – CIP Review (2017-2018 Focus) (**page 2**)
2. **Adjourn** – Until Monday, March 13, 2017 at 5:30pm in the Council Chambers at the Municipal Building.

General Fund
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
General	Police	Patrol Vehicles			Replacement of Vehicles #145,147,158
		Patrol Vehicles	1	145,000	Replacement of Vehicles#151.139,159,157
		CAD System	2	105,000	Upgrade/Replace CAD System
		Air Conditioners	3	40,000	Replacement of Air Conditioners
		Patrol Vehicles	1		Replacement of Vehicles#143,135,134,130
		Patrol Vehicles	1		Replacement of Vehicles #150,144,161,141
		Patrol Vehicles	1		Replacement of Vehicles #148,132,137,133
		Patrol Vehicles			Replacment of Vehicles #166,136,160,142
	Police	Total		290,000	
	Fire/EMS	Fire Engine # 3	1		Replacement for 1988 Fire Engine #236
		Fire Engine	6		Replacement for 1996 Fire Engine #233
		Ambulance # 431	9		Replacement for 2015 Ambulance #431
		Ambulance # 430	1	160,000	Replacement for 2008 EMS unit #430
		Ambulance # 432	3		Replacement for 2011 Ambulance # 432
		Utility Vehicle / Pick Up			Replacement for 2005 Pick up Truck # 238
		SCBA Air Packs & Cylinders	10	75,000	Replacement for 30 2008 SCBA & air cylinders
		Breathing Air Fill System	5		1999 Fill System - Pending Grant Application
		Cardiac Defibrillator # 3			2006 Cardiac Defibulator - Purchase Completed
		Cardiac Defibrillator # 2	2	30,000	Replacement for 2007 Cardiac Defibulator # 2
		Cardiac Defibrillator # 1	4		Replacement for 2007 Cardiac Defibulator # 1
		Cardiac Defibrillator # 112	8		Replacement for 2011 Cardiac Defibulator # 112
		Cardiac Defibrillator # 212	7		Replacement for 2011 Cardiac Defibulator # 212
		Station 1 Improvments	1	1,500,000	Electrical, Plumbing, Structual Repairs to Bldg.
		Station 2 Improvments	11		Convert Truck bay to gas & Install Gas Hot Water
	Fire/EMS	Total		1,765,000	
	Planning	Way finding			Maintenance for Wayfinding
		Streetscape Improvements	1	225,000	Streetscape work
		Maritime/Crab Park Improvements	2	20,000	Continue waterfront improvements
		Caboose Improvements	3	20,000	Caboose rehab

Fund	Department	Project Name	Rank	2017-18	Description
		Promenade Improvements			Promenade improvements
		Wi-Fi - Waterfront Area	4	20,000	Wi-Fi on the waterfront
	Planning	Total		285,000	
	IT	City Hall virtual thin clients	6	10,000	Conversion of desktop to virtual PC's in city hall (15 @\$650/ea)
		Storage Area Network (2x)			End of Life in 2020-21
		Tropos Wifi Mesh Router	4	25,000	enable moving inventory access to network within city limits / Replacing Canopy Wifi Network
		PEG Channel Equipment Upgrades			
		Network Core Switch			enhance speed to users via city owned fiber
		Replacement of Virtual Servers	2	25,000	equipment replacement due to age
		Wireless Access Points (network)	3	10,000	wifi in city own bldg for public / private network access (continue project)
		upgrd 10G network modules	1	25,000	ea module is approx \$2.5K total of 10
		replacement of Network switches			switch replacement was in 2015-16 eol 2020-21
		Web Page redesign	5	30,000	find new vendor/main site & mobile, create utilities site, 2021-22 - maintenance
	IT	Total		125,000	
	Finance	Financial software			Additional modules and implementation
		Utility software			
	Finance	Total		0	
	Warehouse	Roof	1		Replace roof
		Ice Machine	2		Replace ice machine
		Fork Lift	3		Current fork lift was purchased in 2009
	Warehouse	Total		0	

General Fund
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
	Municipal Bldg.	Rehab maintenance		35,000	
	Library	Remodel Closed Stacks/History Room	3		
		Expand Parking Lot	4		
		Library Expansion	5		
		Generator	2	30,000	
		Renovation of Server Room	1	45,000	
	Library	Total		75,000	
	Recreation B&G	Havens Gardens - Replace Bulkhead Phase 1	2	90,000	Phase 1 of 3 - 500' (Highway 32 bridge to fishing pier)
		Havens Gardens - Replace Bulkhead Phase 2			Phase 2 of 3 - 500'
		Havens Gardens - Replace Bulkhead Phase 3			Phase 3 of 3 - 400'
		Replace Boardwalk - Marine Slats (West End)	6	459,921	Phase I
		Replace Boardwalk - Marine Slats (East End)			Phase II
		Complex - Soccer Restrooms & Concession Stand	3	90,000	(Replace existing facilities) Concession stand, 4 women stalls, and 4 men stalls. ** John McConnell Jr funds \$15,295
		Complex - Sidewalk Project	4	56,000	Complete connection to F# 1, 2, 5
		Complex - Concession Stand Extension			
		Complex - Playground Replacement			
		Complex - Pave Parking Lot			
		Tennis Courts	7	90,000	No lights
		Bug House Park - Parking lot		22,000	

General Fund
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
		Bug House - Playground		50,000	Replace 20+ year equipment with a bug themed playground equipment. Pour in Place surfacing. Fencing
		7th St - Playground Replacement			Replace 20+ year old play equipment
		"Band Field" by BARC - turning into practice soccer fields	5	26,000	Create practice soccer fields for adults and soccer leagues
		Ventrac Tractor with Reel Mower	1	37,500	
		Vehicle replacement			#501 Ford F-150 2009 - Replace 2021
		Vehicle replacement			#504 Ford 3/4 Tn Pickup 2008 - Replace 2020
		Vehicle replacement			#505 Dodge Ram 2500 2005 - Replace 2019
		Vehicle replacement			#506 Ford 3/4 Ton Pickup 2004 - Replace 2018
		Vehicle replacement			#507 Ford F-350 Dump Bed 2015 - Replace 2027
		Vehicle replacement			#508 Ford F-150 4 x 4 2014 - Replace 2026
		Equipment Replacement			#8014 John Deere Tractor 2002 - Replace 2020
	Recreation Other	Bobby Andrews Rec- gym floor		58,000	Pushed out of 16-17 CIP to next year. Current gym floor has exceeded life expectancy
		Aquatic Center - Generator			To operate pool pumps & pool heaters during an outage to maintain chemicals and water temperature.
		Aquatic Center Roof Replacement		65,000	Moved from 2017 budget and add'l ceiling work
		Aquatic Center - Splash Park			Splash park beside A/F Center
	Recreation	Total		1,044,421	
	Civic Center	Brick Preservation- Interior	1	83,000	Seal interior & exterior bricks on the historic warehouse
		Flooring repair/replacement			
		Technology Update			

General Fund
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
		HVAC Circulating Pump			Pump & access point
		Clerestory Window Repairs	2	56,000	
	Civic Center	Total		139,000	
Grand Total				3,758,421	

Public Works
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
10-00-4260	Mun. Bldg.	HVAC/Blower System			Service HVAC Blower System & Install Filtration System
	Mun. Bldg.	Total		-	
10-20-4510	Street	Holloman St Bulkhead-East Side			Holloman St Bulkhead-East Side
10-20-4510		Street Resurfacing	1	150,000	Begin 20 yr Resurf Plan/GF share addition to Powell Bill
10-20-4510		Vehicle replacement	3		1995Tandem Dumptruck #465
10-20-4510		New equipment	4		120 hp Tractor for mowing R/Ws and airport
10-20-4510		Vehicle replacement	2	35,000	2008 3/4 Ton Tk. #452
10-20-4511		Vehicle replacement	3		2012 Street Sweeper #462
10-20-4511		Equipment Replacement	2		1996 Asphalt Roller
10-20-4511		Asphalt Patch Equipment	1	45,000	Asphalt Hot Box
	Street	Total		230,000	
34-90-5710	Stormwater	Equipment replacement	4		2004 Backhoe #460
34-90-5710		Drainage improvements	3	200,000	Ditch work and pipe repairs in various locations
34-90-5710		Replace CMP along Simmons St.	2	1,200,000	Replace degraded CMP under Simmons Street
34-90-5710		Upstream imp. Jacks Creek basin	1	3,750,000	Phase 2 of Stormwater Improvments Jacks Ck Basin
34-90-5710		Generator Jacks Creek	5	500,000	650KW Generator Jacks Creek Stormwater P.S.
34-90-5710		Trash removal Jacks Creek	6		Automatic bar screens Jacks Creek pump station
	Stormwater	Total		5,650,000	
38-90-4710	Sanitation	Vehicle replacement	1	165,000	2006 Rear Loading Garbage Tk.# 482 CUT 16/17 BUDGET
38-90-4710		Vehicle replacement	3		1999 Front Loading Garbage Tk.#484
38-90-4710		Vehicle replacement	4		2001 Flatbed Leaf Tk. #481
38-90-4710		Vehicle replacement	5		2004 Front Loading Garbage Tk.#487
38-90-4710		Storage Building	2	50,000	Storage for Rollout carts
	Sanitation	Total		215,000	
30-90-8100	Water	Replace Tractor	4		Replace Ford Tractor (553)
30-90-8100		Replace backwash pump	10		This is the original pump installed in 1993. No backups.
30-90-8100		Filter Controls Hardware/Software	3	30,000	Displays are failing and obsolete.

Public Works
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3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
30-90-8100		Generator/ATS/RTU at wells	1	60,000	State has required double wall fuel cells on standby power units.
30-90-8100		Flow meters with totalizers	2	28,000	Newest CCPCUA permit requires wells be metered with a totalizing device.
30-90-8100		Potassium Permanganate Feed	6		This is the original feed system installed in 1993. No backups.
30-90-8100		Waste Holding Rehab	7		Unit is in a saltwater environment constantly. Unit is currently been in service 24 years.
30-90-8100		Well upfit (1,2,5&6)	9		increase capacity to 1,000 gpm at 4 locations
30-90-8100		In-plant SCADA	8		
30-90-8100		Additional wells (4)	11		Add 4 new raw water wells as demand increases
30-90-8100		Replace filter feed pumps 1-3	5		
30-90-8140		Replace City owned BFP			Replace aging backflow prevention devices per state regs
30-90-8140		Sandblast & Repaint Hydrants & flow test	1	80,000	Sandblast approx. 700 hydrants
30-90-8140		Vehicle replacement	2		Replace 2010 3/4 tn Service truck (410)
30-90-8180		Waterline US 264E			Connect Runyon Hills to City water main
30-90-8180		Waterline Replacement	1	150,000	Loop water line in Springdale mobile home park
30-90-8180		Waterline Replacement	2		Replace 2" galvanized waterline on Tarboro St.
	Water	Total		348,000	
32-90-8200	Sewer	Vehicle replacement	1	55,000	Replace 2009 sewer vac truck - cleans sewer daily
32-90-8220		Collection System Rehab.	1	100,000	Replace, line and repair sewer lines
32-90-8210		M.H. Rehab.	2	100,000	Line MH'S to prevent I & I
32-90-8210		Replace 6' M.H. 5TH& RESPESS	3	280,000	Replace of Rehab M.H. H2S Gas Damage
32-90-8210		Mini-Excavator	4	45,000	Compact machine will allow work in tighter locations and disturb less area.
32-90-8220		Spare recirculation pump	2	25,000	currently have only one pump when its out treatment quality is affected.
32-90-8220		Convert to fine screens	4		convert from barscreens to fine screens
32-90-8220		Paint entire plant	3		Routine upkeep
32-90-8220		Convert aeration basin to BNR	7		Convert from chemical to biological nutrient reduction

**Public Works
CIP 2018-2022**

3/1/2017

Fund	Department	Project Name	Rank	2017-18	Description
32-90-8220		Replace 480 Volt disconnects and wire on mixers 1 & 2	1	30,000	Thermal scan has revealed gear is reaching critical temperatures. Recommended actions have been taken but units are still over heating.
32-90-8220		Automatic Transfer Switch at WWTP	6		Original generator has a manual transfer switch. Whenever power goes out, someone has to physically start generator and manually transfer switch.
32-90-8220		Upfit in-plant SCADA	5		Better control, operation and oversight of plant.
32-90-8220		Convert oxidation ditch 1 to BNR	8		Convert from chemical to biological nutrient reduction
32-90-8230		Spare Pump for 5th & Respass			Pumps are aging and have multiple rebuilds on them.
32-90-8230		Upfit Cherry Run Lift Station	4		Upgrade pumps, motors and controls
32-90-8230		Parallel force main Cherry Run	3		Additional parallel force main - based on demand
32-90-8230		Cherry Run Lift Station Stabilization	2	60,000	Stablize creek banks eroding around lift station
32-90-8230		Iron Creek pump & Control replacement	1	25,000	Upgrade old pumps and controls
32-90-8230		Upfit 7th & Harvey Lift Station	6		Upgrade pumps, motors and controls
32-90-8230		4th pump at 5th & Respass	8		Additonal pump - based on demand
32-90-8230		Upfit Stanadyne Lift Station	5		Upgrade pumps, motors and controls
32-90-8230		Force main from 5th & Respass	7		Additional parallel force main - based on demand
32-90-8230		Portable pump station replacement	9		Replace existing (1995 model) portable pump station
32-90-8230		Upfit 4th & Hudnell Lift Station	10		Upgrade pumps, motors and controls
	Sewer	Total		720,000	
37-90-4530	Airport	Emergency Generator	1	85,000	Generator for terminal bldg,Runwaylights,Fuelfarm
		Total			
39-90-4740	Cemetery	Equipment Building at Oakdale	1	35,000	
	Public Works	Grand Total		7,283,000	

\$ are thousand

Fund	Department	Project Name	Rank	2017-18
Electric	Distribution	Grimesland Road Feeder Rebuild (<i>in progress</i>)		310
		River Road Feeder Rebuild		
		Midway Feeder Rebuild		
		Charlotte / 5th St. Rebuild	D2	225
		W. Main St. Rebuild		
		Free Union Feeder Rebuild		
		15th Street Feeder Rebuild (<i>DOT</i>)		
		Downtown Feeder Rebuild		
		Cherry Road Feeder Rebuild	D3	125
		Avenue Road feeder Rebuild	D1	100
	Transmission	Slatestone Road Rebuild	T1	2,000
		Hwy 92 Rebuild		
		Forest Hills 34 kV Feeder Rebuild		
		White Post to Slatestone 34kV Tie		
		White Post to Slatestone 12kV Tie		
	Substation	Substation Reclosers	S4	50
		Distribution Reclosers	S3	20
		Capacitors	S2	15
		Substation 15 kV Regulators	S1	100
		Substation 34 kV Breaker Replacement		
	Future Substation Construction & U	Industrial Park 34 kV Feeder Extension		
		Slatestone Substation Rebuild	F1	200
		Main Substation 115 kV Upgrade		
	Miscellaneous	Load Management Switches		
		Electric Metering Equipment		50
		Electric Meter Test Board Replacement		
		Peak Shaving Generator Overhaul/Replacement		600
		Dept of Energy Reg'd Street/Area Light Replacement		
		Downtown Electrical Improvements		300
		SCADA / GIS / CIS Outage Management Integration		25
		GIS Electric System Mapping Updates		25
Electric	Administration Vehicles	Vehicle #624 - SUV		

Electric Fund
CIP 2018-2022

3/1/2017

Fund	Department	Project Name	Rank	2017-18
		Vehicle #622 - SUV		
		Vehicle #614 - SUV		
	Meter Shop Vehicles	Vehicle #620 - 1/4 Ton Pickup		
		Vehicle #652 - Ford F250 4X4 W/Service Body		
		Vehicle #653 - 1/4 Ton Pickup		
		Vehicle #655 - SUV		
		Vehicle #656 - 1/4 Ton Pickup		
		Vehicle #658 - Jeep Liberty 4X4		
		Vehicle #659 - 1/4 Ton Pickup		
	Substation / Load Management Ve	Vehicle #657 - 1/2 Ton Pickup		25
		Vehicle #680 - SUV		
		Vehicle #681 - Ford F250 W/Service Body		
		Vehicle #651 - 1/2 Ton Pickup		
	T&D Vehicles			
		Vehicle #609 - 2 Ton Truck		
		Vehicle #601 - 2 Ton Truck - Construction Body		
		Vehicle #613 - 2 Ton Truck - Construction Body		
		Vehicle #615 - 1/2 Ton Pickup		40
	T&D Equipment	Vehicle #602 - Line Truck		
		Vehicle #603 - Line Truck		
		Vehicle #617 - Line Truck		
		Vehicle #607 - Bucket Truck		
		Vehicle #618 - Bucket Truck		260
		Vehicle #682 - Bucket Truck		
		Vehicle #608 - Dump Body		
		Vehicle #610 - Trencher		
		Vehicle #612 - Tractor		
		Vehicle #623 - Tractor		
		Wire Tensioner & Puller		
		Vehicle #606 Knuckle Boom		
		Total		4,470

Fund	Department	Project Name	2016-17	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total	Description
General	Police	Patrol Vehicles	111,000							0	Replacement of Vehicles #145,147,158
		Patrol Vehicles		1	145,000					145,000	Replacement of Vehicles#151,139,159,157
		CAD System		2	105,000					105,000	Upgrade/Replace CAD System
		Air Conditioners		3	40,000					40,000	Replacement of Air Conditioners
		Patrol Vehicles		1		153,000				153,000	Replacement of Vehicles#143,135,134,130
		Patrol Vehicles		1			158,000			158,000	Replacement of Vehicles #150,144,161,141
		Patrol Vehicles		1				163,000		163,000	Replacement of Vehicles #148,132,137,133
		Patrol Vehicles							168,000	168,000	Replacment of Vehicles #166,136,160,142
	Police	Total	111,000		290,000	153,000	158,000	163,000	168,000	932,000	
	Fire/EMS	Fire Engine # 3	500,000	1						0	Replacement for 1988 Fire Engine #236
		Fire Engine		6			600,000			600,000	Replacement for 1996 Fire Engine #233
		Ambulance # 431		9					170,000	170,000	Replacement for 2015 Ambulance #431
		Ambulance # 430		1	160,000					160,000	Replacement for 2008 EMS unit #430
		Ambulance # 432		3		165,000				165,000	Replacement for 2011 Ambulance # 432
		Utility Vehicle / Pick Up	35,000							0	Replacement for 2005 Pick up Truck # 238
		SCBA Air Packs & Cylinders	75,000	10	75,000	75,000	75,000			225,000	Replacement for 30 2008 SCBA & air cylinders
		Breathing Air Fill System		5		60,000				60,000	1999 Fill System - Pending Grant Application
		Cardiac Defibrillator # 3	30,000							0	2006 Cardiac Defibulator - Purchase Completed
		Cardiac Defibrillator # 2		2	30,000					30,000	Replacement for 2007 Cardiac Defibulator # 2
		Cardiac Defibrillator # 1		4		30,000				30,000	Replacement for 2007 Cardiac Defibulator # 1
		Cardiac Defibrillator # 112		8				30,000		30,000	Replacement for 2011 Cardiac Defibulator # 112
		Cardiac Defibrillator # 212		7			30,000			30,000	Replacement for 2011 Cardiac Defibulator # 212
		Station 1 Improvments		1	1,500,000					1,500,000	Electrical, Plumbing, Structural Repairs to Bldg.
		Station 2 Improvments		11		27,500				27,500	Convert Truck bay to gas & Install Gas Hot Water
	Fire/EMS	Total	640,000		1,765,000	357,500	705,000	30,000	170,000	3,027,500	
	Planning	Way finding						20,000		20,000	Maintenance for Wayfinding
		Streetscape Improvements	225,000	1	225,000	50,000	50,000	20,000		345,000	Streetscape work
		Maritime/Crab Park Improvements	40,000	2	20,000		20,000			40,000	Continue waterfront improvements
		Caboose Improvements	50,000	3	20,000					20,000	Caboose rehab
		Promenade Improvements	30,000				30,000			30,000	Promenade improvements
		Wi-Fi - Waterfront Area		4	20,000		20,000			40,000	Wi-Fi on the waterfront
	Planning	Total	345,000		285,000	50,000	120,000	40,000	0	495,000	
	IT	City Hall virtual thin clients	48,000	6	10,000	10,000				20,000	Conversion of desktop to virtual PC's in city hall (15 @ \$650/ea)
		Storage Area Network (2x)	35,000					35,000		35,000	End of Life in 2020-21
		Tropos Wifi Mesh Router	25,000	4	25,000	25,000			10,000	60,000	enable moving inventory access to network within city limits / Replacing Canopy Wifi Network
		PEG Channel Equipment Upgrades	50,000							0	
		Network Core Switch				30,000			30,000	60,000	enhance speed to users via city owned fiber
		Replacement of Virtual Servers		2	25,000		25,000		25,000	75,000	equipment replacement due to age
		Wireless Access Points (network)	10,000	3	10,000	10,000			5,000	25,000	wifi in city own bldg for public / private network access (continue project)
		upgrd 10G network modules	30,000	1	25,000	25,000				50,000	ea module is approx \$2.5K total of 10

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		replacement of Network switches						58,000		58,000	switch replacement was in 2015-16 eol 2020-21
		Web Page redesign	25,000	5	30,000				25,000	55,000	find new vendor/main site & mobile, create utilities site, 2021-22 - maintenance
	IT	Total	223,000		125,000	100,000	25,000	93,000	95,000	438,000	
	Finance	Financial software	100,000							0	Additional modules and implementation
		Utility software								0	
	Finance	Total	100,000		0	0	0	0	0	0	
	Warehouse	Roof		1		75,000				75,000	Replace roof
		Ice Machine		2				20,000		20,000	Replace ice machine
		Fork Lift		3					36,000	36,000	Current fork lift was purchased in 2009
	Warehouse	Total	0		0	75,000	0	20,000	36,000	131,000	
	Municipal Bldg.	Rehab maintenance	35,000		35,000	35,000	35,000	35,000	0	140,000	
	Library	Remodel Closed Stacks/History Room		3		35,000				35,000	
		Expand Parking Lot		4		60,000				60,000	
		Library Expansion		5					1,850,000	1,850,000	
		Generator		2	30,000					30,000	
		Renovation of Server Room		1	45,000					45,000	
	Library	Total	0		75,000	95,000	0	0	1,850,000	2,020,000	
	Recreation B&G	Havens Gardens - Replace Bulkhead Phase 1		2	90,000					90,000	Phase 1 of 3 - 500' (Highway 32 bridge to fishing pier)
		Havens Gardens - Replace Bulkhead Phase 2				92,500				92,500	Phase 2 of 3 - 500'
		Havens Gardens - Replace Bulkhead Phase 3					92,500			92,500	Phase 3 of 3 - 400'
		Replace Boardwalk - Marine Slats (West End)		6	459,921					459,921	Phase I
		Replace Boardwalk - Marine Slats (East End)				490,823				490,823	Phase II
		Complex - Soccer Restrooms & Concession Stand		3	90,000					90,000	(Replace existing facilities) Concession stand, 4 women stalls, and 4 men stalls. ** John McConnell Jr funds \$15,295
		Complex - Sidewalk Project		4	56,000					56,000	Complete connection to F# 1, 2, 5
		Complex - Concession Stand Extension				24,000				24,000	
		Complex - Playground Replacement						85,000		85,000	
		Complex - Pave Parking Lot					270,000			270,000	
		Tennis Courts		7	90,000					90,000	No lights
		Bug House Park - Parking lot			22,000					22,000	
		Bug House - Playground			50,000	50,000	50,000	30,000		180,000	Replace 20+ year equipment with a bug themed playground equipment. Pour in Place surfacing. Fencing
		7th St - Playground Replacement					40,000			40,000	Replace 20+ year old play equipment

Fund	Department	Project Name	2016-17	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total	Description
		"Band Field" by BARC - turning into practice soccer fields		5	26,000					26,000	Create practice soccer fields for adults and soccer leagues
		Ventrac Tractor with Reel Mower		1	37,500					37,500	
		Vehicle replacement							25,000	25,000	#501 Ford F-150 2009 - Replace 2021
		Vehicle replacement						25,000		25,000	#504 Ford 3/4 Tn Pickup 2008 - Replace 2020
		Vehicle replacement					25,000			25,000	#505 Dodge Ram 2500 2005 - Replace 2019
		Vehicle replacement				25,000				25,000	#506 Ford 3/4 Ton Pickup 2004 - Replace 2018
		Vehicle replacement								0	#507 Ford F-350 Dump Bed 2015 - Replace 2027
		Vehicle replacement								0	#508 Ford F-150 4 x 4 2014 - Replace 2026
		Equipment Replacement						35,000		35,000	#8014 John Deere Tractor 2002 - Replace 2020
	Recreation Other	Bobby Andrews Rec- gym floor			58,000					58,000	Pushed out of 16-17 CIP to next year. Current gym floor has exceeded life expectancy
		Aquatic Center - Generator				40,000				40,000	To operate pool pumps & pool heaters during an outage to maintain chemicals and water temperature.
		Aquatic Center Roof Replacement			65,000					65,000	Moved from 2017 budget and add'l ceiling work
		Aquatic Center - Splash Park				150,000				150,000	Splash park beside A/F Center
	Recreation	Total	0		1,044,421	872,323	477,500	175,000	25,000	2,594,244	
	Civic Center	Brick Preservation- Interior		1	83,000					83,000	Seal interior & exterior bricks on the historic warehouse
		Flooring repair/replacement				38,000				38,000	
		Technology Update					25,000	30,000		55,000	
		HVAC Circulating Pump				25,000				25,000	Pump & access point
		Clerestory Window Repairs		2	56,000					56,000	
	Civic Center	Total			139,000	63,000	25,000	30,000	0	257,000	
	Grand Total		1,454,000		3,758,421	1,800,823	1,545,500	586,000	2,344,000	10,034,744	

Fund	Department	Project Name	2016-17	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total	Description
10-00-4260	Mun. Bldg.	HVAC/Blower System	55,000							-	Service HVAC Blower System & Install Filtration System
	Mun. Bldg.	Total	55,000		-	-	-	-	-	-	
10-20-4510	Street	Holloman St Bulkhead-East Side	50,000							-	Holloman St Bulkhead-East Side
10-20-4510		Street Resurfacing		1	150,000	150,000	150,000	150,000	150,000	750,000	Begin 20 yr Resurf Plan/GF share addition to Powell Bill
10-20-4510		Vehicle replacement		3			140,000			140,000	1995Tandem Dumptruck #465
10-20-4510		New equipment		4					150,000	150,000	120 hp Tractor for mowing R/Ws and airport
10-20-4510		Vehicle replacement		2	35,000					35,000	2008 3/4 Ton Tk. #452
10-20-4511		Vehicle replacement		3		290,000				290,000	2012 Street Sweeper #462
10-20-4511		Equipment Replacement		2		39,000				39,000	1996 Asphalt Roller
10-20-4511		Asphalt Patch Equipment		1	45,000					45,000	Asphalt Hot Box
	Street	Total	50,000		230,000	479,000	290,000	150,000	300,000	1,449,000	
34-90-5710	Stormwater	Equipment replacement		4		115,000				115,000	2004 Backhoe #460
34-90-5710		Drainage improvements	200,000	3	200,000				350,000	550,000	Ditch work and pipe repairs in various locations
34-90-5710		Replace CMP along Simmons St.		2	1,200,000					1,200,000	Replace degraded CMP under Simmons Street
34-90-5710		Upstream imp. Jacks Creek basin		1	3,750,000	3,750,000				7,500,000	Phase 2 of Stormwater Improvments Jacks Ck Basin
34-90-5710		Generator Jacks Creek		5	500,000					500,000	650KW Generator Jacks Creek Stormwater P.S.
34-90-5710		Trash removal Jacks Creek		6			1,800,000			1,800,000	Automatic bar screens Jacks Creek pump station
	Stormwater	Total	200,000		5,650,000	3,865,000	1,800,000	-	350,000	11,665,000	
38-90-4710	Sanitation	Vehicle replacement	-	1	165,000					165,000	2006 Rear Loading Garbage Tk.# 482 CUT 16/17 BUDGET
38-90-4710		Vehicle replacement		3		260,000				260,000	1999 Front Loading Garbage Tk.#484
38-90-4710		Vehicle replacement		4				85,000		85,000	2001 Flatbed Leaf Tk. #481
38-90-4710		Vehicle replacement		5			260,000			260,000	2004 Front Loading Garbage Tk.#487
38-90-4710		Storage Building		2	50,000					50,000	Storage for Rollout carts
	Sanitation	Total	-		215,000	260,000	260,000	85,000	-	820,000	
30-90-8100	Water	Replace Tractor		4		45,000				45,000	Replace Ford Tractor (553)
30-90-8100		Replace backwash pump		10				60,000		60,000	This is the original pump installed in 1993. No backups.
30-90-8100		Filter Controls Hardware/Software		3	30,000					30,000	Displays are failing and obsolete.
30-90-8100		Generator/ATS/RTU at wells		1	60,000	60,000	60,000			180,000	State has required double wall fuel cells on standby power units.
30-90-8100		Flow meters with totalizers		2	28,000					28,000	Newest CCPCUA permit requires wells be metered with a totalizing device.
30-90-8100		Potassium Permanganate Feed		6			45,000			45,000	This is the original feed system installed in 1993. No backups.
30-90-8100		Waste Holding Rehab		7			150,000			150,000	Unit is in a saltwater environment constantly. Unit is currently been in service 24 years.
30-90-8100		Well upfit (1,2,5&6)		9				521,500		521,500	increase capacity to 1,000 gpm at 4 locations
30-90-8100		In-plant SCADA		8			200,000			200,000	
30-90-8100		Additional wells (4)		11					3,300,000	3,300,000	Add 4 new raw water wells as demand increases
30-90-8100		Replace filter feed pumps 1-3		5		75,000				75,000	
30-90-8140		Replace City owned BFP	30,000							-	Replace aging backflow prevention devices per state regs
30-90-8140		Sandblast & Repaint Hydrants & flow test		1	80,000					80,000	Sandblast approx. 700 hydrants
30-90-8140		Vehicle replacement		2			40,000			40,000	Replace 2010 3/4 tn Service truck (410)
30-90-8180		Waterline US 264E	50,000							-	Connect Runyon Hills to City water main
30-90-8180		Waterline Replacement		1	150,000					150,000	Loop water line in Springdale mobile home park

Fund	Department	Project Name	2016-17	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total	Description
30-90-8180		Waterline Replacement		2		160,000				160,000	Replace 2" galvanized waterline on Tarboro St.
	Water	Total	80,000		348,000	340,000	495,000	581,500	3,300,000	5,064,500	
32-90-8200	Sewer	Vehicle replacement		1	55,000	55,000	55,000	55,000	55,000	275,000	Replace 2009 sewer vac truck - cleans sewer daily
32-90-8220		Collection System Rehab.	100,000	1	100,000	100,000	100,000	100,000	100,000	500,000	Replace, line and repair sewer lines
32-90-8210		M.H. Rehab.		2	100,000	100,000	100,000	100,000	100,000	500,000	Line MH'S to prevent I & I
32-90-8210		Replace 6' M.H. 5TH& RESPESS		3	280,000					280,000	Replace of Rehab M.H. H2S Gas Damage
32-90-8210		Mini-Excavator		4	45,000					45,000	Compact machine will allow work in tighter locations and disturb less area.
32-90-8220		Spare recirculation pump		2	25,000					25,000	currently have only one pump when its out treatment quality is affected.
32-90-8220		Convert to fine screens		4			300,000			300,000	convert from barscreens to fine screens
32-90-8220		Paint entire plant		3		150,000				150,000	Routine upkeep
32-90-8220		Convert aeration basin to BNR		7					500,000	500,000	Convert from chemical to biological nutrient reduction
32-90-8220		Replace 480 Volt disconnects and wire on mixers 1 & 2		1	30,000					30,000	Thermal scan has revealed gear is reaching critical temperatures. Recommended actions have been taken but units are still over heating.
32-90-8220		Automatic Transfer Switch at WWTP		6				50,000		50,000	Original generator has a manual transfer switch. Whenever power goes out, someone has to physically start generator and manually transfer switch.
32-90-8220		Upfit in-plant SCADA		5			500,000			500,000	Better control, operation and oversight of plant.
32-90-8220		Convert oxidation ditch 1 to BNR		8					1,500,000	1,500,000	Convert from chemical to biological nutrient reduction
32-90-8230		Spare Pump for 5th & Respass	85,000							-	Pumps are aging and have multiple rebuilds on them.
32-90-8230		Upfit Cherry Run Lift Station		4		50,000				50,000	Upgrade pumps, motors and controls
32-90-8230		Parallel force main Cherry Run		3		300,000				300,000	Additional parallel force main - based on demand
32-90-8230		Cherry Run Lift Station Stabilization		2	60,000					60,000	Stablize creek banks eroding around lift station
32-90-8230		Iron Creek pump & Control replacement		1	25,000					25,000	Upgrade old pumps and controls
32-90-8230		Upfit 7th & Harvey Lift Station		6		75,000				75,000	Upgrade pumps, motors and controls
32-90-8230		4th pump at 5th & Respass		8		250,000				250,000	Additonal pump - based on demand
32-90-8230		Upfit Stanadyne Lift Station		5		40,000				40,000	Upgrade pumps, motors and controls
32-90-8230		Force main from 5th & Respass		7		1,000,000				1,000,000	Additional parallel force main - based on demand
32-90-8230		Portable pump station replacement		9			100,000			100,000	Replace existing (1995 model) portable pump station
32-90-8230		Upfit 4th & Hudnell Lift Station		10			40,000			40,000	Upgrade pumps, motors and controls
	Sewer	Total	185,000		720,000	2,120,000	1,195,000	305,000	2,255,000	6,595,000	
37-90-4530	Airport	Emergency Generator		1	85,000					85,000	Generator for terminal bldg, Runwaylights, Fuelfarm
		Total									
39-90-4740	Cemetery	Equipment Building at Oakdale		1	35,000	-	-	-	-	35,000	
	Public Works	Grand Total	570,000		7,283,000	7,064,000	4,040,000	1,121,500	6,205,000	25,713,500	

25,713,500

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Fund	Department	Project Name	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total
Electric	Distribution	Grimesland Road Feeder Rebuild <i>(in progress)</i>		310					310
		River Road Feeder Rebuild				100	250	400	750
		Midway Feeder Rebuild			50	350			400
		Charlotte / 5th St. Rebuild	D2	225	100				325
		W. Main St. Rebuild			50				50
		Free Union Feeder Rebuild					25	110	135
		15th Street Feeder Rebuild <i>(DOT)</i>							0
		Downtown Feeder Rebuild				250			250
		Cherry Road Feeder Rebuild	D3	125					125
		Avenue Road feeder Rebuild	D1	100					100
	Transmission	Slatestone Road Rebuild	T1	2,000					2,000
		Hwy 92 Rebuild			150	1,000	1,000		2,150
		Forest Hills 34 kV Feeder Rebuild				50	700		750
		White Post to Slatestone 34kV Tie				600	600		1,200
		White Post to Slatestone 12kV Tie				100	400	400	900
	Substation	Substation Reclosers	S4	50	50	50	50	50	250
		Distribution Reclosers	S3	20	20	20	20	20	100
		Capacitors	S2	15	15	15	15	15	75
		Substation 15 kV Regulators	S1	100					100
		Substation 34 kV Breaker Replacement				50			50
	Future Substation Construction & Upgrades	Industrial Park 34 kV Feeder Extension			100				100
		Slatestone Substation Rebuild	F1	200	1,800				2,000
		Main Substation 115 kV Upgrade				200	1,600		1,800
	Miscellaneous	Load Management Switches			150	150	150	150	600
		Electric Metering Equipment		50	50	50	50	50	250
		Electric Meter Test Board Replacement			100				100
		Peak Shaving Generator Overhaul/Replacement		600		600			1,200
		Dept of Energy Reg'd Street/Area Light Replacement			150	150			300
		Downtown Electrical Improvements		300	300	300			900
		SCADA / GIS / CIS Outage Management Integration		25					25
		GIS Electric System Mapping Updates		25	25	25	25	25	125
Electric	Administration Vehicles	Vehicle #624 - SUV					35		35
		Vehicle #622 - SUV				35			35
		Vehicle #614 - SUV						35	35
	Meter Shop Vehicles	Vehicle #620 - 1/4 Ton Pickup				30			30
		Vehicle #652 - Ford F250 4X4 W/Service Body				40			40
		Vehicle #653 - 1/4 Ton Pickup			25				25
		Vehicle #655 - SUV							0
		Vehicle #656 - 1/4 Ton Pickup			25				25
		Vehicle #658 - Jeep Liberty 4X4					25		25
		Vehicle #659 - 1/4 Ton Pickup			25				25
	Substation / Load Management Vehicles	Vehicle #657 - 1/2 Ton Pickup		25					25
		Vehicle #680 - SUV			35				35
		Vehicle #681 - Ford F250 W/Service Body				40			40

Fund	Department	Project Name	Rank	2017-18	2018-19	2019-20	2020-21	2021-22	Total
		Vehicle #651 - 1/2 Ton Pickup					25		25
	T&D Vehicles								0
		Vehicle #609 - 2 Ton Truck			65				65
		Vehicle #601 - 2 Ton Truck - Construction Body							0
		Vehicle #613 - 2 Ton Truck - Construction Body							0
		Vehicle #615 - 1/2 Ton Pickup		40					40
	T&D Equipment	Vehicle #602 - Line Truck				260			260
		Vehicle #603 - Line Truck					260		260
		Vehicle #617 - Line Truck						260	260
		Vehicle #607 - Bucket Truck			260				260
		Vehicle #618 - Bucket Truck		260					260
		Vehicle #682 - Bucket Truck							0
		Vehicle #608 - Dump Body							0
		Vehicle #610 - Trencher							0
		Vehicle #612 - Tractor						100	100
		Vehicle #623 - Tractor					55		55
		Wire Tensioner & Puller							0
		Vehicle #606 Knuckle Boom			250				250
		Total		4,470	3,795	4,465	5,285	1,615	19,630