

CAPITAL IMPROVEMENT PLANS

Fiscal Year 2018-19

- **Capital and Vehicle and Equipment Summary**
(Attachment 1)
- **Water and Sewer Capital Plan**
(Attachment 2)
- **General Capital Plan**
(Attachment 3)
- **Vehicle and Equipment Plan**
(Attachment 4)

**Town of Blowing Rock
Budget and Capital Improvement Plan Summary
In Whole Dollars**

Capital Projects	FY 17-18 Adopted	FY 18-19 Adopted	\$ Change	% Change	Bond Projects in FY 18-19	% GO Funding in FY 18-19
General						
Public Facilities	69,100	71,674	2,574	4%	-	0%
Parks & Recreation	585,386	446,345	(139,041)	100%	431,345	97%
Roads & Sidewalks	2,189,614	2,000,994	(188,620)	-9%	1,900,994	95%
Total General Capital	2,844,100	2,519,013	(325,087)	-11%	2,332,339	93%
Utility						
Water	578,750	265,207	(313,543)	-54%	168,466	64%
Sewer	335,000	565,207	230,207	69%	300,000	53%
Total Utility	913,750	830,414	(83,336)	-9%	468,466	56%
Total Projects	3,757,850	3,349,427	(408,423)	-11%	2,800,805	84%

Vehicles / Equipment	FY 17-18 Adopted	FY 18-19 Adopted	\$ Change	% Change
General				
Admin	39,000	-	(39,000)	100%
Police	86,474	87,640	1,166	1%
Planning and Inspections	-	30,000	30,000	0%
Streets	129,000	62,000	(67,000)	-52%
Sanitation	150,000	-	(150,000)	100%
Parks and Recreation	20,000	-	(20,000)	-100%
Total General Capital	424,474	179,640	(244,834)	-58%
Utility				
Field Operations	-	-	-	0%
Plant Operations	33,000	35,000	2,000	100%
Total Utility	33,000	35,000	2,000	100%
Total Vehicles / Equipment	457,474	214,640	(242,834)	-53.1%

Grand Total	4,215,324	3,564,067	(651,257)	-15%
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Town of Blowing Rock
Water and Sewer Capital Project Budget and Plan
For the Fiscal Year 18-19 Budget and Ten Year Plan
In Whole Dollars

Description	Funding	1	2	3	4	5	6	7	8	9	10	11
		FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29
WATER TREATMENT PLANT												
1 Interconnect Reserve	299,328	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)	(24,924)
1 Small Capital Improvements	40,417	50,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
WASTEWATER TREATMENT PLANT												
2 Small Capital Improvements	2,938	71,865	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
WATER DISTRIBUTION SYSTEM												
6 Valve and Hydrant Maintenance Program	150,000	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
7 Maple Street Water Line	0	-	106,250	-	-	-	-	-	-	-	-	-
8 Sunset Drive Water Line	157,500	142,500	-	-	-	-	-	-	-	-	-	-
9 Sounwood	300,000	-	-	-	-	-	-	-	-	-	-	-
10 Other Lines/Repairs	84,560	25,966	-	-	-	-	-	-	-	-	-	-
11 Sounwood Galvanized	121,250	-	-	-	-	-	-	-	-	-	-	-
12 Goforth	0	-	455,767	-	-	-	-	-	-	-	-	-
13 West Green Hill	0	-	255,767	-	-	-	-	-	-	-	-	-
14 Greenhill	312,500	-	-	-	-	-	-	-	-	-	-	-
16 Bond Counsel + Interest	23,750	-	-	-	-	-	-	-	-	-	-	-
17 Water Distribution System Subtotal	1,149,560	168,466	827,784	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
SEWER COLLECTION SYSTEM												
18 Sewer Line Extensions	480	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
19 Chestnut Drive Sewer Extension	55,000	-	-	-	-	-	-	-	-	-	-	-
20 Other Lines/Repairs	321,968	-	35,000	-	-	-	-	-	-	-	-	-
21 Sewer System Infiltration/Inflow Study	60,000	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
22 Sunset Drive	35,000	300,000	-	-	-	-	-	-	-	-	-	-
23 Bond Counsel and Interest	11,800	-	-	-	-	-	-	-	-	-	-	-
24 Sewer Collection System Subtotal	484,248	300,000	65,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Water and Sewer Fund Subtotal	1,976,491	565,207	1,067,860	215,076	215,076	215,076	215,076	215,076	215,076	215,076	215,076	215,076
Less Portion to be Funded by GO Sewer												
Less Portion to be Funded by GO Water												
Less Portion to be Funded with Sales Tax Proceeds												
Equals Total Funding Identified	2,308,473	-	1,000,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	10,000

LYSoutWaterSewerManager (Enclosed)2018-19 Budget FinalRecommendationCopy of Blowing Rock Capital Project 15.3.17.xlsx\$Summary

Town of Blowing Rock
General Capital Project Budget and Plan
For the Fiscal Year 18-19 Budget and Ten Year Plan
In Whole Dollars

		1	2	3	4	5	6	7	8	9	10
	Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
PUBLIC FACILITIES											
TOWN FACILITIES											
1	TDA Funding Provide to Support Gateway Program	228,031	-	-	-	-	-	-	-	-	-
2	Fire House Economic Development Initiative	40,000	-	-	-	-	-	-	-	-	-
	Town Gateways Subtotal	268,031	71,674	-	-	-	-	-	-	-	-
TECHNOLOGY INFRASTRUCTURE											
2	Replace Public Safety Equipment Building on Green Hill	30,000	-	-	-	-	-	-	-	-	-
	Sunset Dr. WiFi	13,000	-	-	-	-	-	-	-	-	-
2	General Government Capital Improvements	95,666	-	-	-	-	-	-	100,000	-	-
	Technology Infrastructure Subtotal	-	-	-	-	-	-	-	100,000	-	-
	Public Facilities Total	71,674	-	-	-	-	-	-	100,000	-	-
PARKS AND RECREATION											
DAVANT FIELD AREA											
1	Pave track, pave gravel parking, and improve drainage	127,640	-	-	-	-	-	-	-	-	-
	Davant Field Area Subtotal	-	-	-	-	-	-	-	-	-	-
BROYHILL LAKE AREA											
1	Dredge Lake	65,500	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
2	Broyhill Park Drainage Pipe Replacement	86,750	-	-	-	-	-	-	-	-	-
2	Laurel Lane Walkway / Drain Pipe	6,750	-	-	-	-	-	-	-	-	-
	Broyhill Lake Subtotal	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
MEMORIAL PARK											
1	Tennis Court Corner Repair / Adjacent Parking Retaining Walls	115,000	-	-	-	-	-	-	-	-	-
1	Tennis Court Crack Repair	5,000	-	-	5,000	-	-	-	-	5,000	-
2	New Stairways from Wallingford to Gezebo area	73,036	-	-	-	-	-	-	-	-	-
3	Upper Basketball Court - repair cracks and replace fence	25,984	-	-	-	5,000	-	-	-	5,000	-
4	Lower Basketball Court - replace	69,946	-	-	-	5,000	-	-	-	5,000	-
4	Memorial Park Tree Replacements (Phase I)	25,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
6	Pavers in base of picnic shelter	8,510	-	-	-	-	-	-	-	-	-
	Broyhill Picnic Shelter	42,000	-	-	-	-	-	-	-	-	-
7	Town Hall Retaining Wall	38,695	-	-	-	-	-	-	-	-	-
	Memorial Park Subtotal	241,731	5,000	5,000	10,000	15,000	5,000	5,000	10,000	109,671	5,000
OTHER PARK AND RECREATION FACILITIES											
1	Clubhouse Building HVAC (formerly known as Ruritan Building)	GO	-	-	-	-	-	-	-	-	-
2	Future Parks and Recreation Projects	GO	204,614	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
2	New Roof and Windows for Parks Building	GO	-	-	-	-	-	-	-	-	-
2	Bond Council and Issuance Cost	GO	-	-	-	-	-	-	-	-	-
	Other Park and Recreation Facility Subtotal	-	204,614	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
	Parks and Recreation Total	446,345	45,000	45,000	50,000	55,000	45,000	45,000	50,000	149,671	45,000

Town of Blowing Rock
General Capital Project Budget and Plan
For the Fiscal Year 18-19 Budget and Ten Year Plan
In Whole Dollars

ROADS AND SIDEWALKS		FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
DITCHLINES, ROAD REPAIRS, AND CULVERTS											
1	Road Failure Repairs	GO	300,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
2	Ditchline Repairs	GO	300,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
3	Culvert Replacements	GO	300,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
4	Greenway Court Drainage (Area Near Back of Homestead Inn)	GO	-	-	-	-	-	-	-	-	-
	Ditchlines, Road Repairs, and Culverts Subtotal		900,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
PAVING											
1	Repaving all Town Streets (goal to repave every 10 years)	GO	1,060,664	1,022,227	450,000	450,000	450,000	450,000	450,000	450,000	450,000
VALLEY BLVD IMPROVEMENTS											
6	Valley Blvd Black Aluminum Fencing (to be paid in 3 annual installments after project completion)	140,000	-	70,000	-	-	-	-	-	-	-
	Streetscape Subtotal		-	70,000	-	-	-	-	-	-	-
SIDEWALKS, PARKING AND PEDESTRIAN											
7	US 221 - Main Street to Bass Lake	GO	-	-	-	-	-	-	-	-	-
8	Laurel Lane Sidewalk Replacement (Main to Wallingford-south side)	GO	-	-	-	-	-	-	-	-	-
9	Morris Street Sidewalk (BR Elementary to Chestnut - east side)	GO	-	-	-	-	-	-	-	-	-
10	Chestnut Street Sidewalk (Morris to Main - south side)	GO	-	477,820	-	-	-	-	-	-	-
11	Carriage Trail Paving	GO	-	-	-	-	-	-	-	-	-
	Future Sidewalks		135,070	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
12	Bond Counsel and Issuance Costs	GO	-	10,114	-	-	-	-	-	-	-
	Sidewalks & Pedestrian Subtotal		135,070	497,934	10,000	10,000	10,000	10,000	10,000	10,000	10,000
	Roads and Sidewalks Total		2,000,994	2,590,161	590,000	590,000	490,000	490,000	490,000	490,000	490,000
GENERAL CAPITAL PROJECT TOTAL			2,519,013	2,635,161	635,000	645,000	535,000	640,000	640,000	639,671	535,000
	Less Portion to be Funded with TDA Cash		-	-	-	-	-	-	-	-	-
	Less Portion to be Funded with Fire Department Contribution		-	-	-	-	-	-	-	-	-
	Less Portion to be Funded with Sales Tax Proceeds		-	-	-	-	-	-	-	-	-
	Less Portion to be Funded with Transportation GO Bond		1,765,924	2,410,161	-	-	-	-	-	-	-
	Less Portion to be Funded with Park GO Bond		#REF!	#REF!	-	-	-	-	-	-	-
	Equals Total Funding Identified		#REF!	#REF!	-	-	-	-	-	-	-

Note: \$60,000 from the Rural Fire Department contributed towards Fire Station #1 debt service is not included on this schedule. It is shown as a contribution into and out of the General Capital Fund to the General Fund where the debt service is p

Town of Blowing Rock
Capital Vehicle and Equipment List
For the Fiscal Year 2017-18 Budget and Ten Year Plan

Description	1 FY 2018-19	2 FY 2019-20	3 FY 2020-21	4 FY 2021-22	5 FY 2022-23	6 FY 2023-24	7 FY 2024-25	8 FY 2025-26	9 FY 2026-27	10 FY 2027-28	Total of the 10 Year CIP with Inflation Impact
General Capital Equipment Projects											
Police											
Toyota 2007 Tundra, Pickup, Truck, VIN# 0.5536	-	-	-	-	-	-	-	-	-	-	-
Ford 2008 Crown Victoria, Sedan w/ camera, VIN# 0.4652, Calif# 300 (Past, Town Hall Use)-Surplus 18-19	-	-	-	-	-	-	-	-	-	-	-
Ford 2010 Crown Victoria, Sedan w/camera, VIN# 0.8763, Calif Reserve-Sell in FY 18-19	43,820	-	-	-	-	-	-	48,682	-	-	92,502
Ford 2013 Interceptor AWD, SUV w/ camera, VIN# 0.8191, Calif# 311 Reserve-Sell in FY 18-19	43,820	-	-	-	-	-	-	49,343	-	-	93,163
Ford 2014 Interceptor AWD, SUV w/ camera, VIN# 0.8192, Calif# 301 (Reserve in FY 18-19)	-	43,815	-	-	-	-	-	-	50,330	-	94,145
Ford 2014 Interceptor AWD, SUV w/ camera, VIN# 0.8454, Calif# 312 (Reserve in FY 18-19)	-	44,233	-	-	-	-	-	-	50,810	-	95,042
Ford 2014 Interceptor AWD, Sedan w/ camera, VIN# 0.4691, Calif# 305	-	-	45,117	-	-	-	-	-	-	-	45,117
Ford 2014 Interceptor AWD, Sedan w/ camera, VIN# 0.4691, Calif# 305	-	-	45,117	-	-	-	-	-	-	-	45,117
Ford 2014 Interceptor AWD, Sedan w/ camera, VIN# 0.8288, Calif# 308	-	-	-	46,454	-	-	-	-	-	-	46,454
Ford 2014 Interceptor AWD, Sedan w/ camera, VIN# 0.8142, Calif# 308	-	-	-	46,454	-	-	-	-	-	-	46,454
2018 EZ Go	-	-	-	-	11,355	-	-	-	-	-	11,355
Ford 2016 Interceptor AWD, SUV w/ camera, VIN# 0.5103	-	-	-	-	47,828	-	-	-	-	-	47,828
Ford 2017 Interceptor AWD, SUV w/camera, VIN# 0.7835	-	-	-	-	48,782	-	-	-	-	-	48,782
Ford 2018 Interceptor AWD, SUV, VIN# 0.0554	-	-	-	-	-	48,782	-	-	-	-	48,782
Ford 2018 Interceptor AWD, SUV, VIN# 0.6652	-	-	-	-	-	-	50,236	-	-	-	50,236
Police Subtotal	87,640	88,048	90,235	92,908	59,181	97,565	100,471	99,035	101,140	-	815,222
Planning and Inspections											
2008 Ford Ranger, 4x4, Ext. Cab, Truck, VIN# 0.1107	30,000	-	-	-	-	-	-	-	27,568	-	57,568
2011 Chevrolet Tahoe AWD, SUV, VIN# 0.3731, From PD	-	-	-	43,414	-	-	-	-	-	-	43,414
Planning and Inspections Subtotal	30,000	-	-	43,414	-	-	-	-	27,568	-	100,983

Town of Blowing Rock
Capital Vehicle and Equipment List
For the Fiscal Year 2017-18 Budget and Ten Year Plan

Description	1	2	3	4	5	6	7	8	9	10	Total of the 10- Year CIP with Inflation Impact
	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
Streets											
1984 Rol Mol TST103	27,000	-	-	-	-	-	-	-	-	-	27,000
1997 Heavy Truck Chevrolet Dump Truck VIN# 0.5935 (Repairs done in FY 2016)	-	59,160	-	-	-	-	-	-	-	67,956	127,116
2001 Freightliner FL60 VIN# 0.5836	-	-	104,040	-	-	-	-	-	-	-	104,040
2003 Dingo TX 420 Utility Loader VIN# 0.0345	-	-	-	-	-	-	16,561	-	-	-	16,561
2003 Trailer LINK Triton GJR VIN# 0.079	-	-	-	-	-	-	-	6,757	-	-	6,757
2004 Kubota B3030 Tractor VIN# 0.9520	-	-	-	-	37,142	-	-	-	-	-	37,142
2005 Chipper Morbark Brush Chipper VIN# 0.0720	-	-	-	-	-	37,885	-	-	-	-	37,885
2006 Chevrolet Colorado Soid in FY 16-17	35,000	-	-	-	-	-	-	-	-	-	35,000
2008 Dump Truck Ford F550 w/ plow VIN# 0.2763	-	33,000	-	-	-	-	-	-	-	-	33,000
2008 Ext. Cab Truck Ford Ranger 4x4 VIN# 0.1106	-	-	30,000	-	-	-	-	-	-	-	30,000
2009 SideWalk Tractor Kubota Tractor 3030HSDC VIN# NA	-	40,000	-	-	-	-	-	-	-	26,382	66,382
2009 Utility Truck Ford F450 VIN# 0.1169	-	55,000	-	-	-	-	-	-	-	-	55,000
2010 Tractor New Holland T4030 w/ Cab VIN# 0.7295	-	-	-	-	-	-	-	-	-	99,591	99,591
2012 Backhoe John Deere 310SJ VIN# 0.6309 (Trade in for a New Tractor in FY 18-19)	-	-	44,880	-	-	-	-	-	-	-	44,880
2013 Isuzu NPRGD Vm# 0.0352	-	-	-	-	63,672	-	-	-	-	-	63,672
2013 Leaf Loader Old Dominion LCT600 VIN# 0.6402	-	-	-	-	26,530	-	-	-	-	-	26,530
2015 International Durastar Dump Truck VIN# 0.9747	-	-	-	-	-	-	82,806	-	-	-	82,806
2015 2 1/2 HC Gas Stat. Spreaders w/Honda Engine for Dodge 5500	-	-	-	-	27,390	-	-	-	-	-	27,390
2015 Dodge 5500 4x4 Dump - PW04- VIN# 0.2087	-	-	-	-	-	-	-	61,709	-	-	61,709
2015 John Deere 5075E Tractor- E03- VIN# 0.5726	-	-	-	-	-	-	-	38,425	-	-	38,425
Buffalo turbine blower for leaf and debris clearing New 2015	-	-	-	-	-	-	5,410	-	-	-	5,410
Mohawk 2 Post 12,000 pound lift for Public Works Facility New 2015	-	-	-	-	-	-	14,690	-	-	-	14,690
2015 John Deere 50G Excavator HH60 Hydraulic Hammer VIN# 0.3370	-	-	-	-	-	72,144	-	-	-	-	72,144
2015 M12R Morbark Chipper VIN# 0.2224	-	-	-	-	-	-	-	35,416	-	-	35,416
2017 John Deere Tractor 3039R VIN# 0.1390	-	-	-	-	-	-	-	-	107,976	-	107,976
2018 CAT 908M Wheeled Loader VIN# 0.4570	-	-	-	-	-	-	38,643	-	-	-	38,643
2018 Chevrolet 1500 VIN# 0.0396	-	-	-	-	-	-	-	-	48,245	-	48,245
Streets Subtotal	62,000	128,000	134,040	164,383	154,735	110,029	158,110	145,307	156,221	232,574	1,446,399

Town of Blowing Rock
Capital Vehicle and Equipment List
For the Fiscal Year 2017-18 Budget and Ten Year Plan

Description	1 FY 2018-19	2 FY 2019-20	3 FY 2020-21	4 FY 2021-22	5 FY 2022-23	6 FY 2023-24	7 FY 2024-25	8 FY 2025-26	9 FY 2026-27	10 FY 2027-28	Total of the 10 Year CIP with Inflation Impact
Utility Capital Equipment											
Utility Field Operations											
2007 Sewer Jet Vac Harben Trailer/Sewer Jet VIN# 0.2029	-	-	45,000	-	-	-	-	-	-	52,725	97,725
Valve Insertion Machine (allows valves to be installed in water lines under pressure - no service disruption)	-	-	-	-	-	66,245	-	-	-	-	66,245
1995 Air Compressor Ingersoll Rand 185 VIN# 0.G327	-	14,000	-	-	-	-	-	-	-	-	14,000
2008 Ford E350 Ambulance- Sewer Camera VIN# 0.2045	-	60,000	-	-	-	-	-	-	-	-	60,000
2013 Medium Truck Chevrolet 3500HD Diesel 4X4 VIN# 0.5096	-	-	32,283	-	-	-	-	-	-	-	32,283
Sewer Camera (replaces inseparable 2007 sewer camera)	-	-	-	73,182	-	-	-	-	-	-	73,182
2015 Kaufmann Tandem Tilt Top Trailer VIN# 0.1851	-	-	-	-	-	11,041	-	-	-	-	11,041
2015 Montrose Sewer Jetter VIN# 6800	-	-	-	-	83,147	-	-	52,549	-	-	135,696
2015 Chevrolet 1500 VIN# 0.####	-	-	-	-	-	38,426	-	-	-	-	38,426
2015 Chevrolet 2500HD Utility Truck- PW07- VIN# 0.4324	-	-	-	-	-	-	-	-	-	41,994	41,994
2016 Chevrolet 2500 HD Utility Truck- PW06- VIN# 0.4447	-	-	-	-	-	-	-	39,979	-	-	39,979
2017 Ford F550 VIN # 0.5980	-	-	-	-	-	-	-	-	40,778	-	40,778
Utility Field Operations Subtotal	74,000	74,000	77,283	73,182	83,147	38,426	77,286	92,528	40,778	54,319	650,948
Utility Plant Operations											
2008 Exc. Cab Truck Ford Ranger 4X4 VIN# 0.14388	35,000	-	-	-	-	-	-	-	-	38,665	73,665
2011 Ford F150 VIN# 0.9705	-	-	-	36,834	-	-	-	-	-	-	36,834
John Deere Z950 S4 MOD Riding Mower	-	-	-	-	-	10,765	-	-	-	-	10,765
Utility Plant Operations Subtotal	35,000	-	-	36,834	-	10,765	-	-	-	38,665	121,364
Total Water/Sewer Capital Equipment	35,000	74,000	77,283	110,116	83,147	38,426	88,050	92,528	40,778	132,983	772,312
Average Cost Per Year of the Plan =											
Total General and Utility Capital Equipment	214,640	381,248	484,356	500,296	498,169	262,257	567,785	417,024	419,668	613,012	4,362,456