

# ***PUBLIC WORKS DEPARTMENT***

## ***Monthly Report***

***Kevin D. Blayton, PE  
Director***



***ENGINEERING DIVISION  
Dana Hamilton, PE, Engineering Manager***



***UTILITY DIVISION  
Ralph Norris, Operations Manager***



***STREET & DRAINAGE DIVISION  
John Bruton, Operations Manager***



***SANITATION DIVISION  
Lent Williams, Operations Manger***



***FLEET MAINTENANCE DIVISION  
David Snider, Superintendent***



***FACILITIES MAINTENANCE DIVISION  
Richard Vernon, Superintendent***



***August 2021***

# Public Works Department

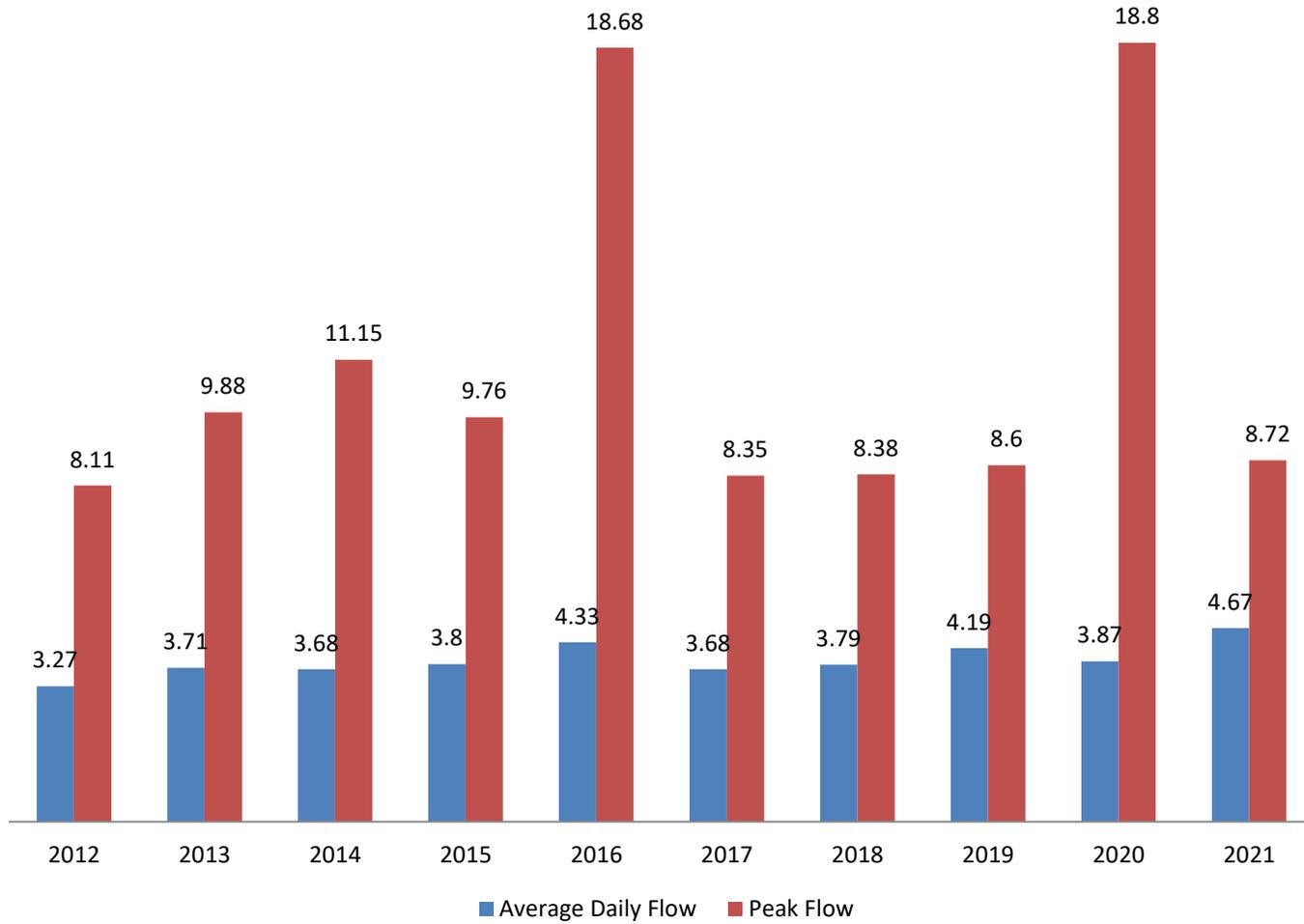
## *Monthly Statistics for June*

	2021	2020
<b>Water Supply &amp; Use</b>		
• Average Daily Water Use	7.2 MGD	6.8 MGD
• Water Pumped	222,984,250 Gallons	209,768,400 Gallons
• Water Billed**	204,463,000 Gallons	159,100,000 Gallons
<b>Wastewater Treatment</b>		
• Average Daily Sewer Treated	4.6 MGD	3.6 MGD
• Peak Daily Sewer Treated	6.3 MGD	6.3 MGD
• Sewer Pumped	140,090,000 Gallons	109,093,000 Gallons
• Sewer Billed**	114,759,000 Gallons	70,100,000 Gallons
<b>Utility Locate Requests</b>	392	330
<b>Solid Waste Collection &amp; Disposal</b>		
• Volume		
○ MSW	1,657 Tons	1,601 Tons
○ Yard Waste	444 Tons	389 Tons
○ Recycled (Includes E-Waste)	259 Tons	237 Tons
○ C & D	144 Tons	121 Tons
○ Total Pick-up/Disposal	2,504 Tons	2,348 Tons
• Recycling %	16%	15%
• Landfill Disposal Cost	\$76,933	\$70,868

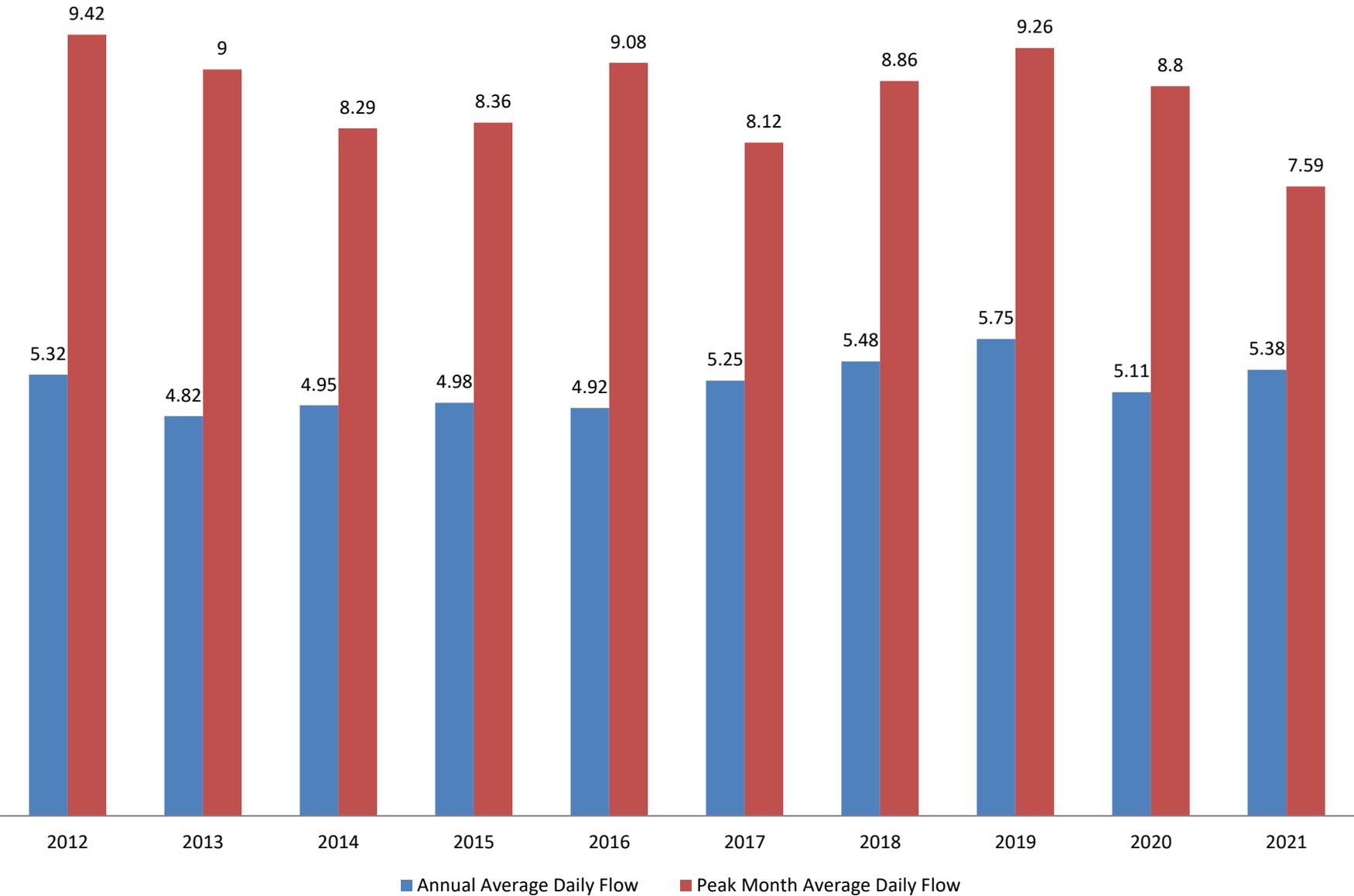
MGD=Million Gallons per Day

\*\*Includes portion of current month and prior month based on meter reading schedule

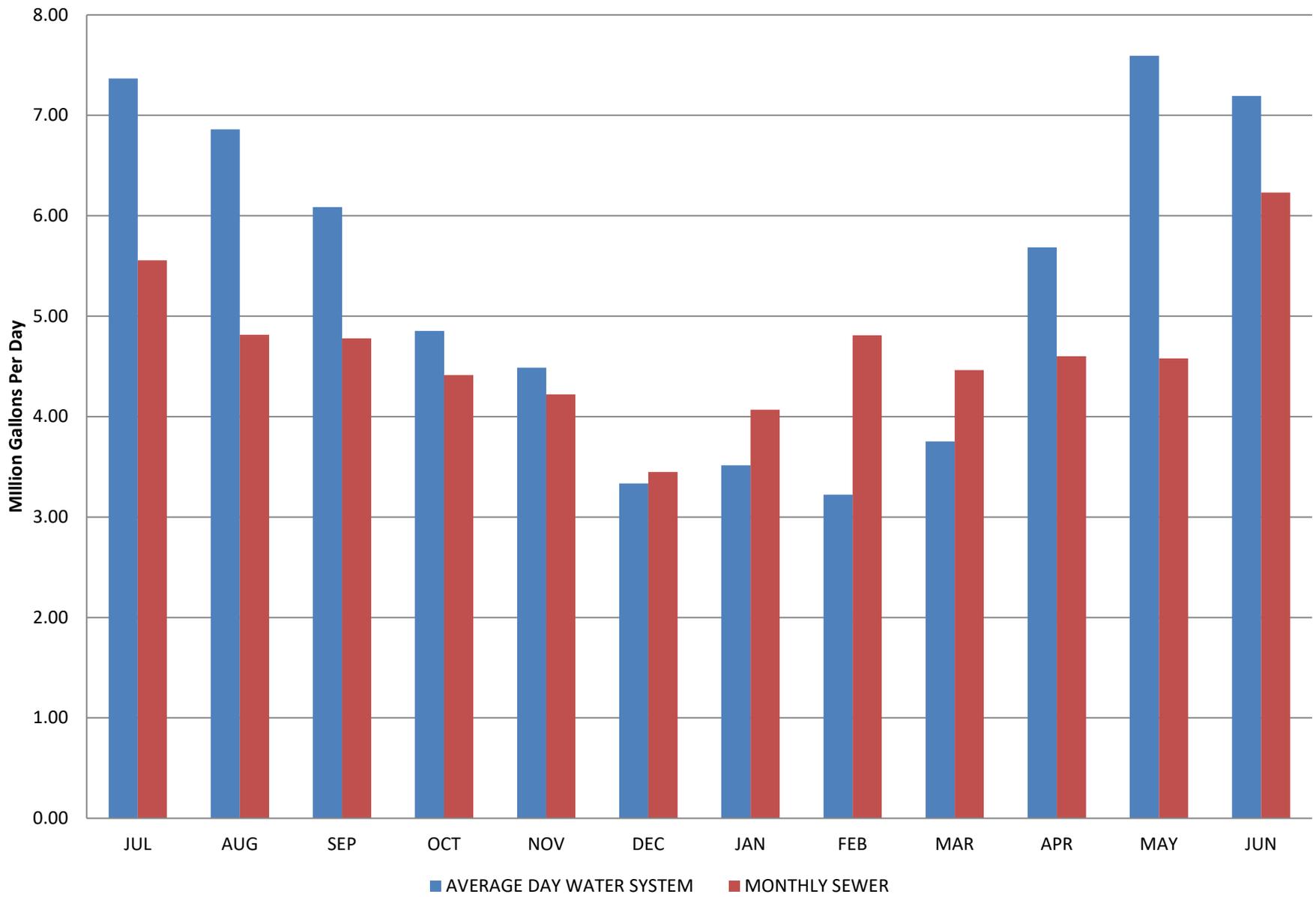
## Sewer System Demand



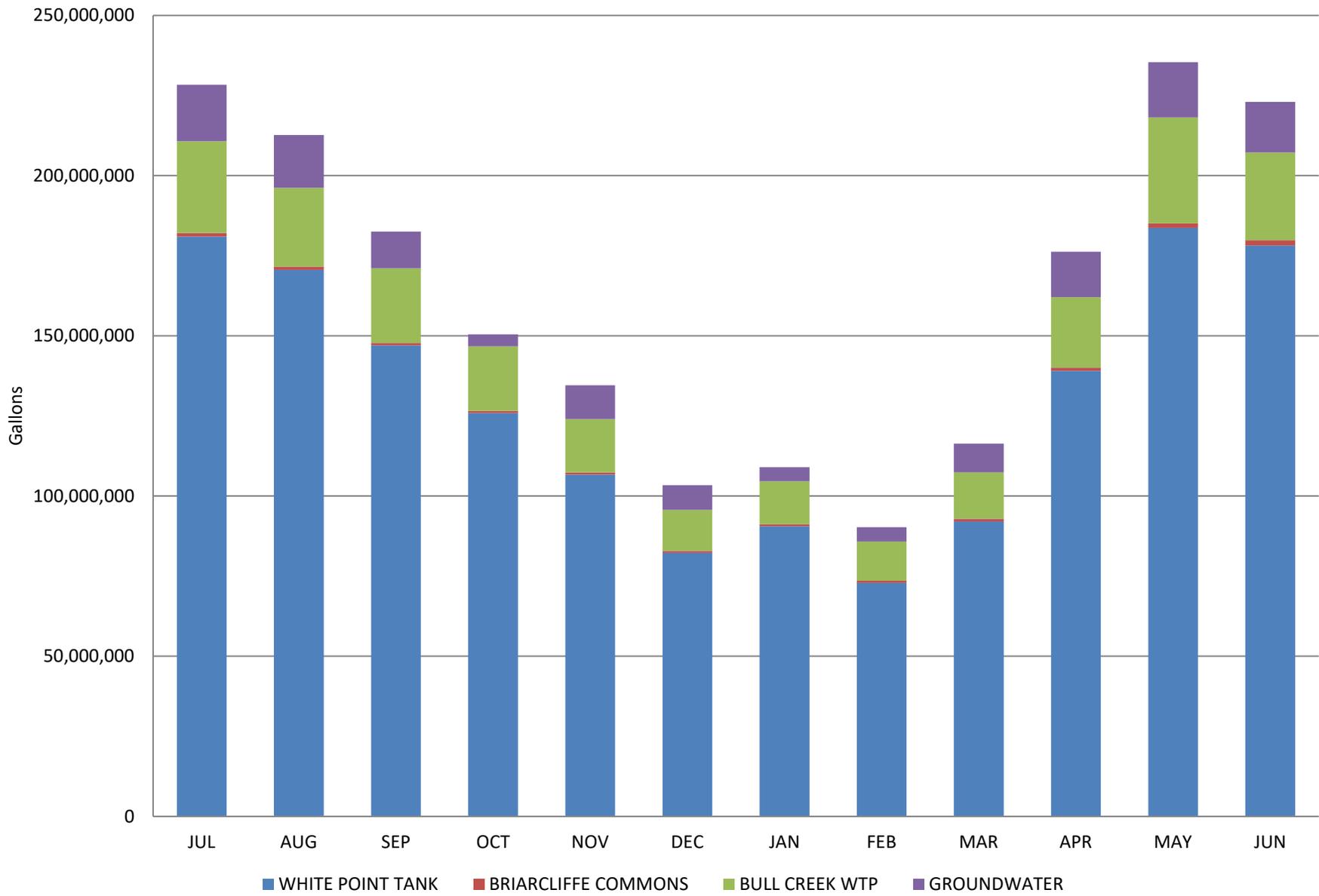
# Water Use



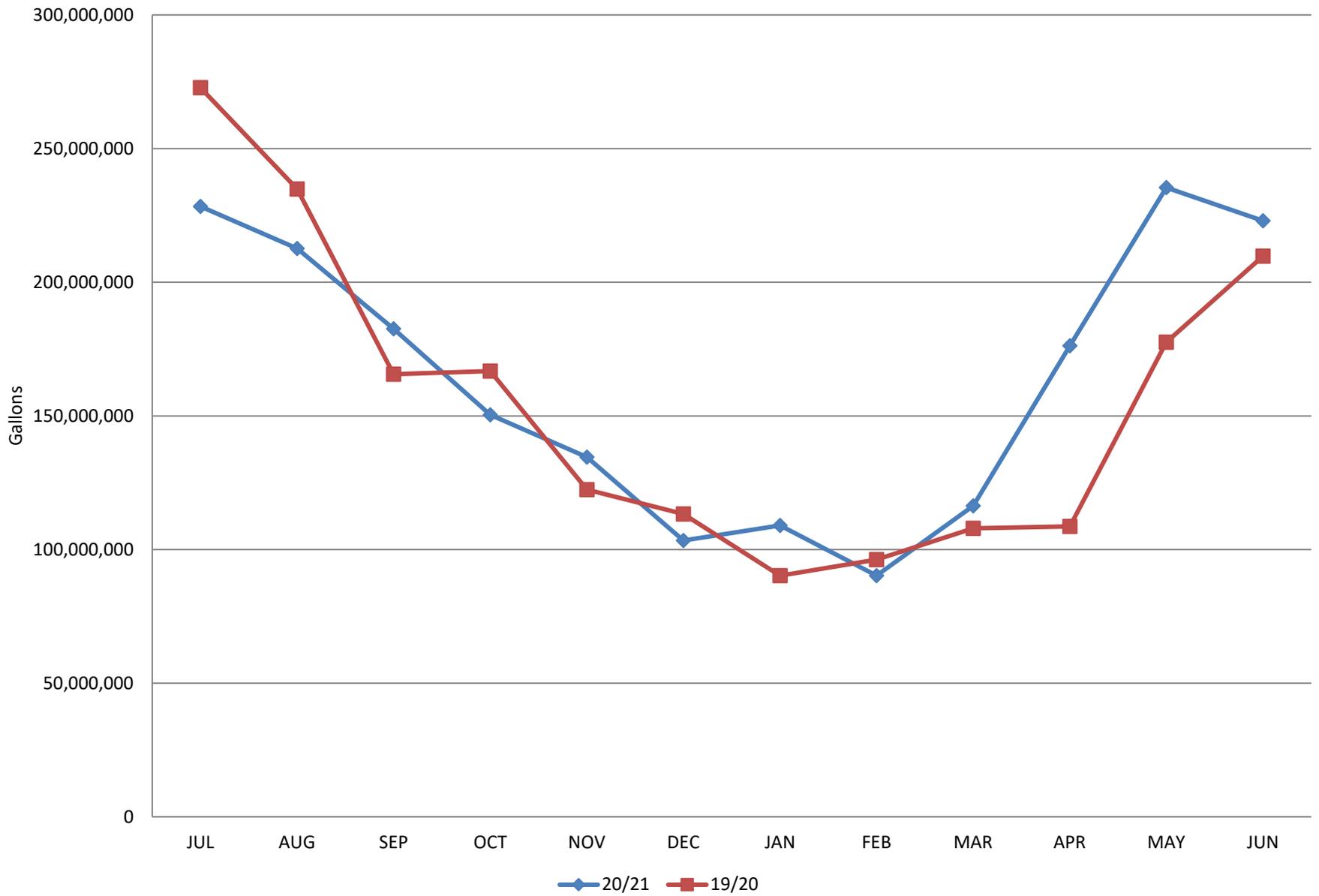
## FY 2021 Water-Wastewater Average Flow



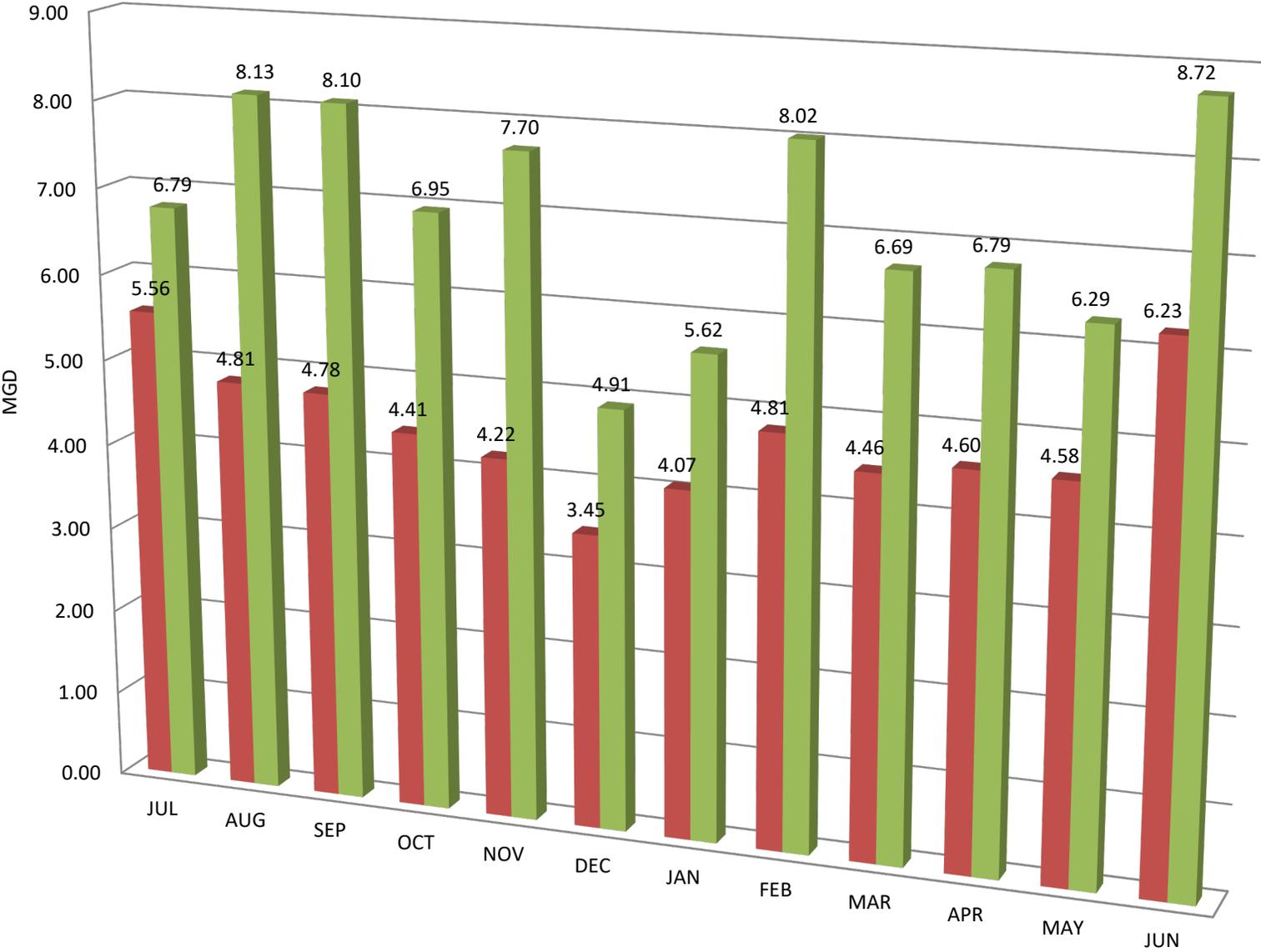
# Water Source FY 2021



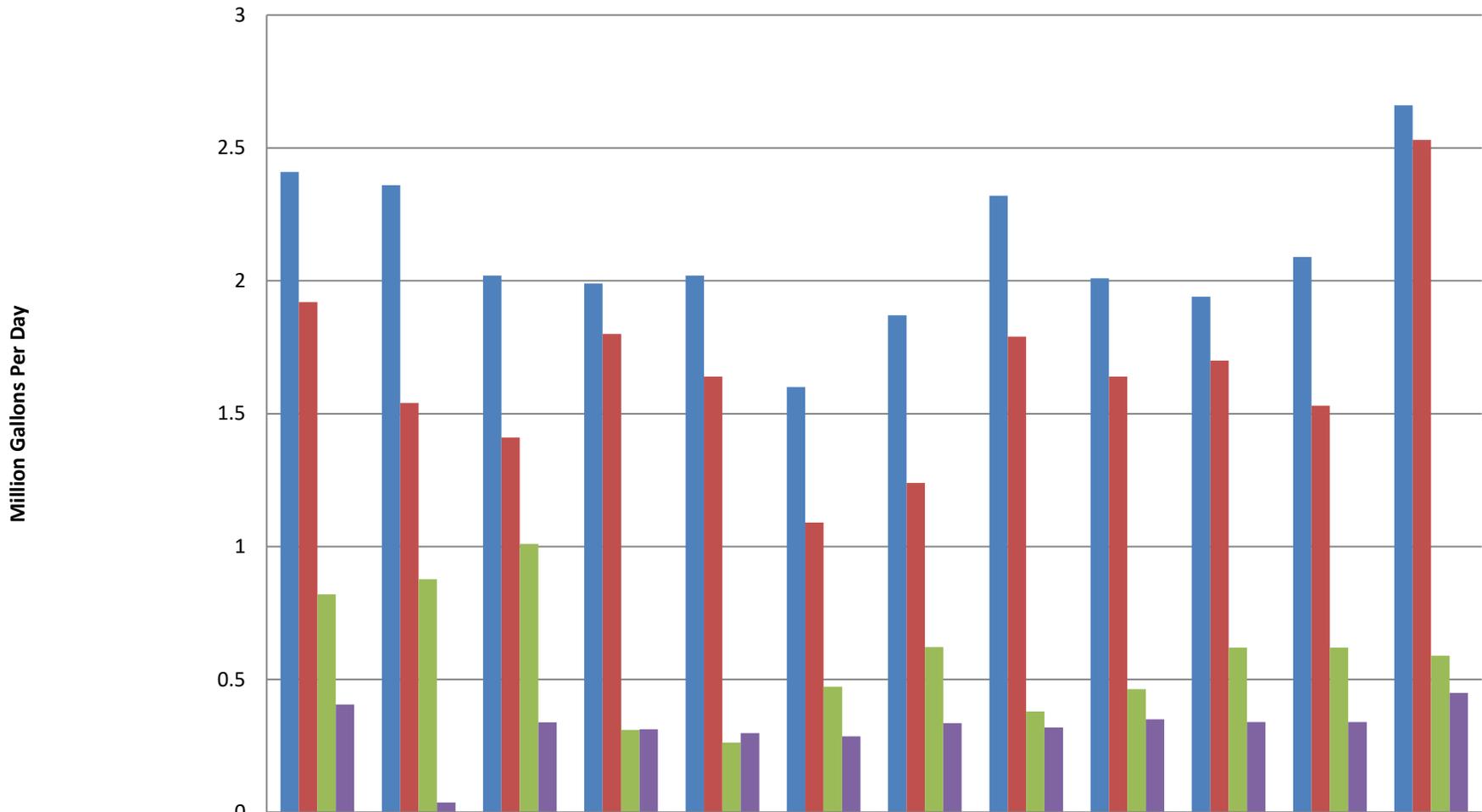
# Water Usage 2-Year



# WWTP Monthly Average & Peak Flow FY 2021

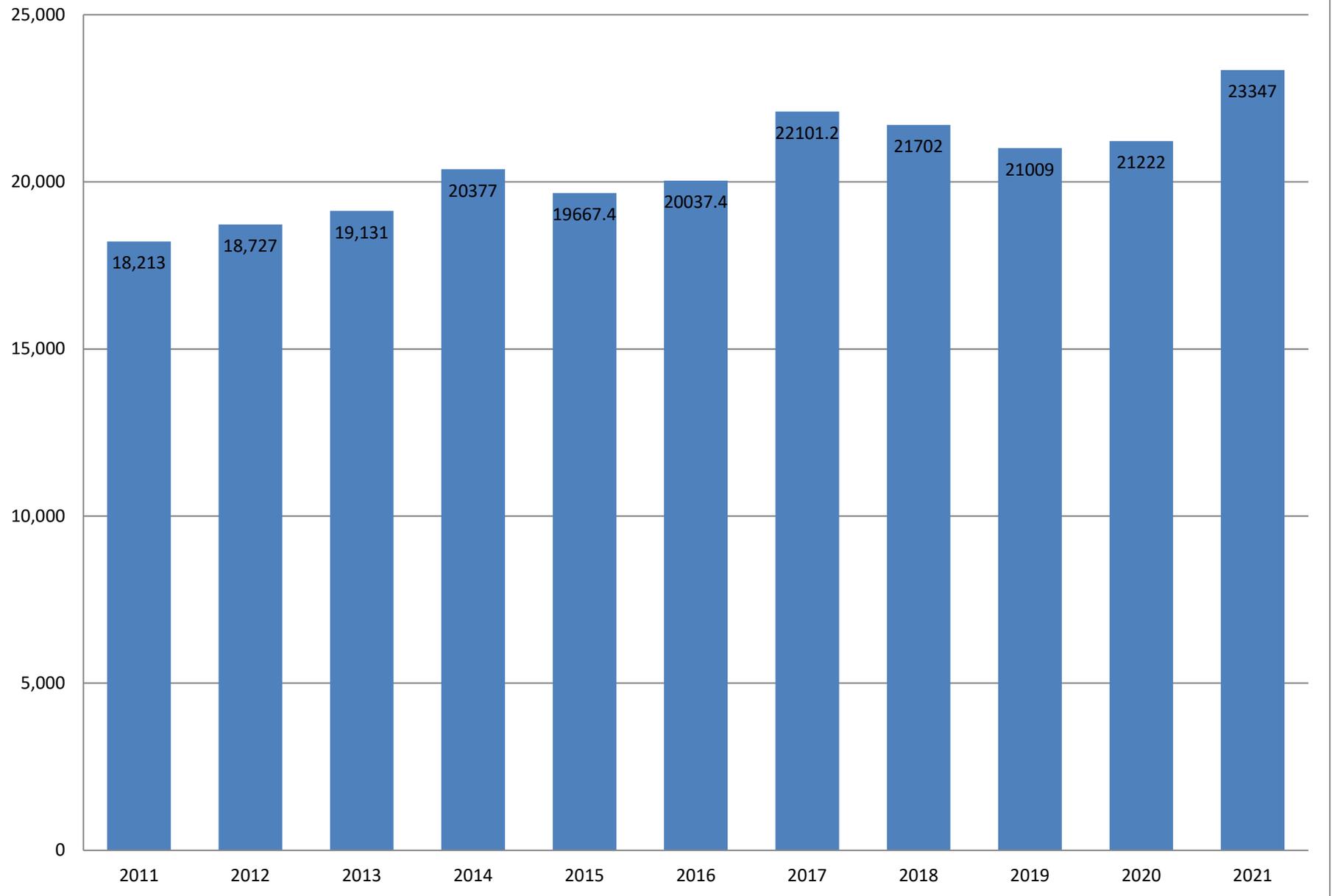


# Sewer Flow 2020-2021

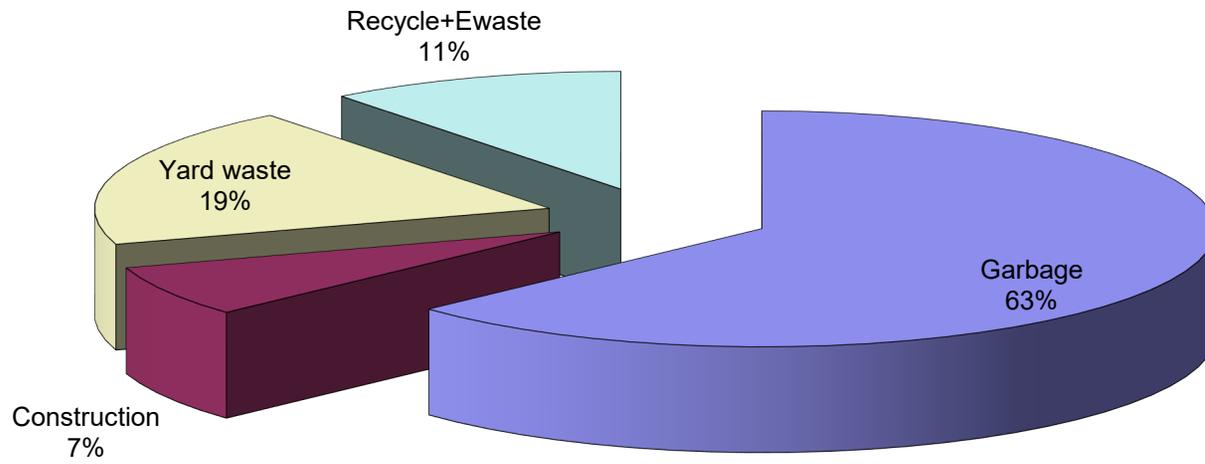


	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
■ OCEAN DRIVE WWTP	2.41	2.36	2.02	1.99	2.02	1.6	1.87	2.32	2.01	1.94	2.09	2.66
■ CRESENT BEACH WWTP	1.92	1.54	1.41	1.8	1.64	1.09	1.24	1.79	1.64	1.7	1.53	2.53
■ Vereen From NMB	0.82	0.877	1.01	0.31	0.263	0.473	0.622	0.38	0.464	0.62	0.62	0.59
■ Vereen From Barefoot	0.406	0.0371	0.339	0.313	0.298	0.286	0.336	0.32	0.35	0.34	0.34	0.45

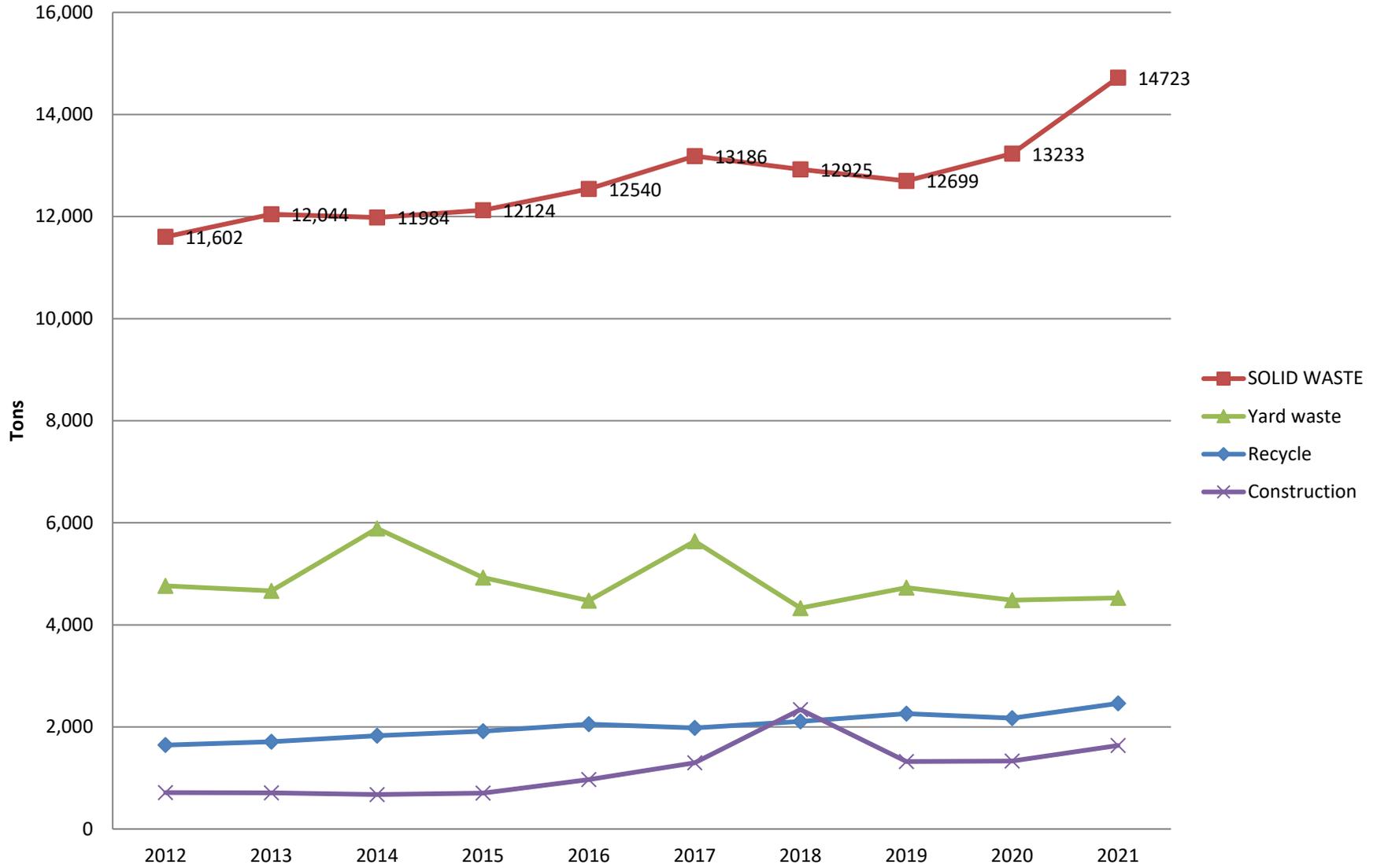
## Total Collection & Disposal



**FY 2021  
Collection and Disposal**



# Historic Collection 10 Year (Tons)



# Public Works Department Capital Improvement Project Update

## *Water and Sewer System Improvements*

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Riverside Drive Sewer	Riverside Dr. LRN Rd. to end	City	Impact	Construction 85%	Continue
		CL Benton	\$913,000		
Water Tank Barefoot BPS	Bridge Road @ Windy Hill Ext.	TBD	Impact	Preliminary Design	Hold
		TBD	TBD		
North Transmission Water Line	Vereen Road	TBD	Impact	Preliminary Design	Hold
		TBD	TBD		
Sewer Force Main Replacement	Cherry Grove & Ocean Drive	DDC	Impact	Permits Acquired	Bidding
		TBD	TBD		
Myrtle Beach Water Transmission Main	Myrtle Beach	MB	Impact	Begin Design FY 2022	Continue
		DDC	TBD		
LRN Water Line & Tank	Little River Neck Road	City and TBD	Impact	Preliminary Design Complete	Site Selection & Tank Design
		TBD	TBD		
Jacks Circle & Harrelson Water Line	Little River Neck	City	RIA/County	Design 50%	Grant Application
		TBD	TBD		
White Point BPS Electrical	Windy Hill	TBD	W/S Capital	RFQ	Prepare RFQ
		TBD	TBD		

### *Storm Drainage System Improvements*

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Priority Group 3/4 Drainage Imp	Various	City	Stormwater	Survey/Design	Design, Permits, Easements
		TBD	\$700,000		
18 <sup>th</sup> Avenue North Ocean Outfall	Ocean Drive	DDC	Stormwater	Bid Summer 2022	Construction Start Fall 2022
		TBD	TBD		

### *Beach Access & Parking Improvements*

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Beach Access 2020	Various	HRT	Capital	Design	Acquire construction easements
		TBD	TBD		
Beach Parking Street End Imp.	Ocean Drive	HRT	TBD	Landscape Bid Summer 2021	Construction 2021
		City	TBD		
1 <sup>st</sup> Ave South Parking Lot	Ocean Drive	HRT	Capital	Preliminary Design	Continue
		TBD	TBD		
Cherry Grove Parking Lots	Near 62 <sup>nd</sup> Ave N. Cherry Grove	HRT	Capital	Preliminary Design	Continue
		TBD	TBD		

## *Street Improvements*

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
South Ocean Blvd Widening Crescent Beach	17 <sup>th</sup> Ave S to 28 <sup>th</sup> Ave S	Stantec	SCDOT - GSATS	Construction Complete	Final SCDOT Reimbursement
		RH Moore	\$4,600,000		
Resurfacing – 2019	Various	City	Street Improvement/CTC	Complete	CTC Reimbursement
		Southern Asphalt	\$1,300,000		
2 <sup>nd</sup> Avenue North Widening & Paving	Highway 17 at 2 <sup>nd</sup> Avenue North	City	St. Imp./CTC	Design	Bid Spring 2021
		TBD	TBD		
Hwy 17 & 27 <sup>th</sup> Ave S Intersection	Highway 17 @ 27 <sup>th</sup> S	SCDOT	GSATS	Preliminary Design	Construction Funding 2024
		TBD	\$1,850,000		
NOB ECT	Cherry Grove - 29 <sup>th</sup> N to 35 <sup>th</sup> N	Mead & Hunt	Franchise Fund	Easement Acquisition	Revise Plans & Bid Fall 2021
		TBD	TBD		
LRN Road Path	LRN Road	HRT	GSATS/Horry/NMB	Funding Agmt.	Submitted for SCDOT Review/Permit
		TBD	\$1,000,000		
Edge Parkway Path Phase I	Edge Pkwy.	HRT	TBD	Design 50%	Hold
		TBD	TBD		
Sidewalk FY20	Commons Blvd; Hwy 17N 8 <sup>th</sup> - 11 <sup>th</sup>	HRT	St. Imp.	Design 50%	Hold
		TBD	TBD		
Champions Blvd. Extension	Sports Park	Design/Build	Park	Preliminary Design	Schedule with Park Expansion
		TBD	TBD		

## *Building/Park Improvements*

Description	Location	Design	Fund	Status	Progress & Goal
		Construction	Cost		
Heritage Park Seawall	Cherry Grove	HRT	Park	Design 75% Complete	Permit
		TBD	TBD		
CG Boat Ramp Parking Seawall	Cherry Grove	Beam Assoc.	CG Dredge	Preliminary Design	Permit
		TBD	TBD		
Cherry Grove Maintenance Dredge	Cherry Grove	Beam Assoc.	CG Dredge	Design	Permit
		TBD	TBD		
City Warehouse	2 <sup>nd</sup> Ave S	HRT	Capital	Construction Complete	Complete
		Baldwin Construction	\$2,200,000		
Sanitation Facility Building & Site Work	2 <sup>nd</sup> Avenue South	HRT	Sanitation	Design 80%	Continue Design
		TBD	TBD		
Street Dept. Warehouse	Barefoot Resort Bridge Road	HRT	Street Imp.	Partial Occupied	Continue Phased Construction
		TBD	TBD		
City Warehouse Site Work	2 <sup>nd</sup> Avenue South	HRT	Capital	Construction Complete	Complete Punch List
		Greenwall Construction	\$344,203		
45 <sup>th</sup> , 48 <sup>th</sup> , 49 <sup>th</sup> Ave N. Seawalls	Cherry Grove	HRT	TBD	Design Complete	Bidding
		TBD	\$75,000		