

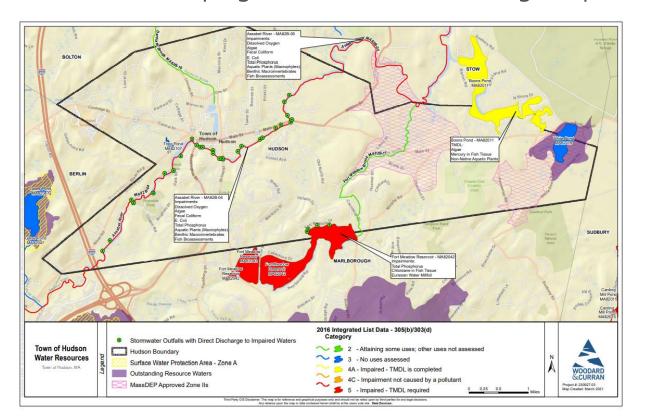


Stormwater Program and Funding Evaluation

Town of Hudson Stormwater Funding Study Select Board Meeting September 12, 2022



- Major Stormwater Program Needs:
 - Aging, inadequate, and failing infrastructure
 - Regulatory compliance, water quality, and resource management
 - Operations and maintenance
 - Street sweeping and catch basin cleanings disposal



Asset	Total	
Catch Basins	3,436	
Drain Manholes	1,493	
Outfalls	224	
Culverts	107	
Drain Pipe	370,702 LF	
Estimated \$88M Asset Value		





- ► FY2022 Capital Projects:
 - \$35K Cox St and Temi Rd culvert replacements
 - \$150K Chestnut St culvert replacement
 - \$250K Green St, Florence St, and Elm Dr drainage
 - \$675K Main St (Rt 62) culvert (bridge) replacement
 - All funded through ARPA or general fund requests









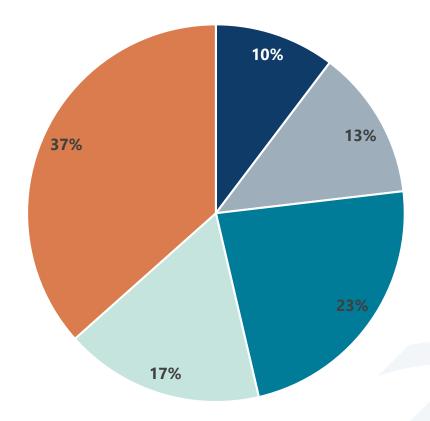
► Future Needs and Costs:

Program Category	FY2023 (current)	FY2024	FY2025	FY2026
1. Stormwater Program Administration	\$0	\$146,500	\$154,000	\$156,600
2. Regulatory Compliance and Enforcement	\$146,000	\$150,000	\$125,000	\$125,000
3. Stormwater Operations and Maintenance	\$161,000	\$251,000	\$251,000	\$251,000
4. Drainage Engineering and Stormwater Management Planning	\$0	\$145,000	\$125,000	\$160,000
5. Stormwater Capital Improvement Projects and Equipment	\$227,905	\$250,000	\$350,000	\$450,000
Total	\$534,905	\$942,500	\$1,005,000	\$1,142,600
	Avg.	\$1,030,000		





- ► Future Needs and Costs:
 - FY24-26 avg. costs
 - \$1.03M annually



- Program Administration
- Operations and Maintenance
- Capital Improvement Projects

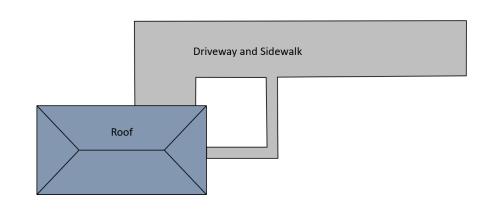
- Regulatory Compliance and Enforcement
- Engineering and Planning



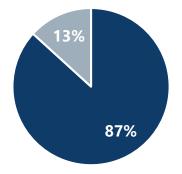
Stormwater Utility Approach



- Stormwater Utility Funding Approach
 - Fees are based on a measure of <u>impervious area</u>. More impervious area =
 - More stormwater runoff
 - Larger burden on the stormwater system
 - Larger user fee

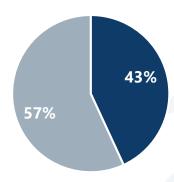


Total Developed Parcels



- Single-Family Residential
- Non-Single-Family Residential

Total IA on Developed Parcels



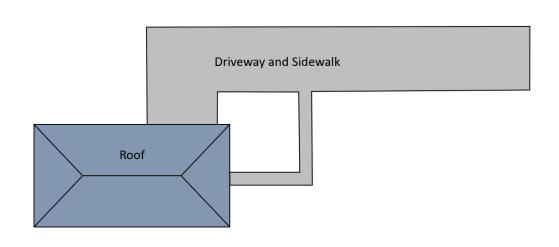
- Single-Family Residential
- Non-Single-Family Residential



Stormwater Utility Approach



- Equivalent Residential Unit (ERU) Rate Method
 - All SFR properties are billed one (1) ERU
 - NSFR properties are billed based on IA per parcel, divided by the ERU (3,400) to determine total billing units



3,400 SF IA = 1 ERU



34,000 SF IA = 10 ERU



Stormwater Utility Approach



► Stormwater utilities in MA – 2 dozen in place

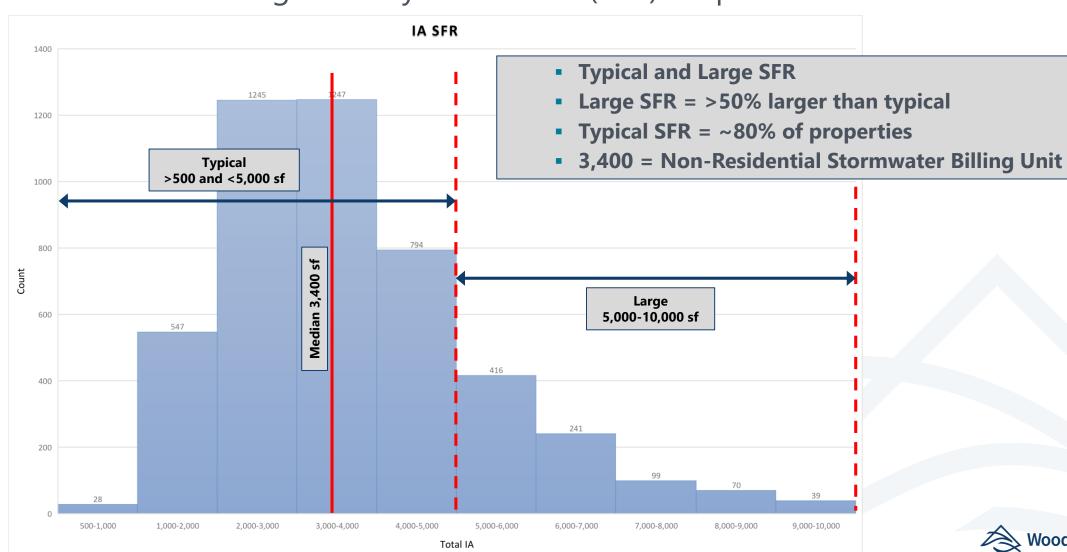
Municipality	Property Type	Rate Structure	Annual Fee
	Single-family	Flat fee	\$96
Bellingham	Multi-family	Flat fee	\$192
J	Other residential/commercial/industrial/tax exempt	Every 3,025 sf	Varies
	Single-family	Flat fee	\$176
Fall River	Other residential	Flat fee	\$176
	Commercial/industrial/tax exempt	\$44 per 2,800 sf	Varies
Millis		200-1,499 sf	\$33
	Any	1,500-2,499 sf	\$66
		2,500-3,499 sf	\$99
		\$33 for each additional 1,000 sf	Varies
		0-2,075 sf	\$32
Milton Residential (SF, 2, 3, & 4 family)		2,076-2,675 sf	\$44
	Residential (SF. 2. 3. & 4 family)	2,676-4,225 sf	\$61
	Residential (SI, 2, 3, & 4 lumily)	4,226-8,364 sf	\$156
		8,365-15,894 sf	\$205
		15,895+	\$468
	Other residential/commercial/industrial/tax exempt	\$1.88 per 100 sf	Varies



Funding Evaluation



► Distribution of Single-Family Residential (SFR) Properties





Funding Evaluation



► Data and Rate Structure

	SFR	NSFR	Total
Parcels	4,815	735	5,550
Total IA (SF)	20,384,496	26,893,528	47,278,024

IA Range	SFR Parcels	SFR Rate Structure	NSFR Parcels	NSFR Rate Structure
500 to 5,000 SF	3,867 (80%)	1 billing unit		Total IA ÷
5,001 to 10,000 SF	865 (18%)	1.5 billing units	735	3,400 SF =
>10,000 SF	89 (2%) —			billing units



Funding Evaluation



Stormwater Utility Rates and Revenue

Property Type	Square Feet of Impervious Area	Quarterly Fee	Annual Fee
Any Property	0 – 499	\$0	\$0
Single-Family Residential	500 – 5,000	\$19.75	\$79
Single-Family Residential ¹	5,001 – 10,000	\$29.75	\$119
Non-Single-Family Residential	500 or greater	Calculate ²	Calculate ²

- 1. Billing units for single-family residential properties with >10,000 sf of impervious area are calculated as non-single-family residential properties.
- 2. Non-single-family residential properties = one billing unit per 3,400 sf multiplied by \$19.75 (minimum of one billing unit) for quarterly fee and then multiplied by 4 for annual fee.

Property Type	Annual Revenue
Single-Family Residential (500 – 5,000 sf)	\$305K
Single-Family Residential (5,001 – 10,000 sf)	\$103K
Non-Single-Family Residential (500+ sf)	\$625K



Public Engagement



- Targeted Outreach Leading up to Fall Town Meeting
 - 1 day and 1 night meeting with public
 - Warrant article and bylaw fact sheet
 - Website postings with additional stormwater funding materials





Next Steps and Schedule



- ► Select Board Meeting September 12th
- Public Engagement October
- ► Town Meeting November 21st
- Stormwater Utility Implementation Activities
- Stormwater Utility Rules and Regulations
- ► First Bills Sent 2023





Project Team



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