



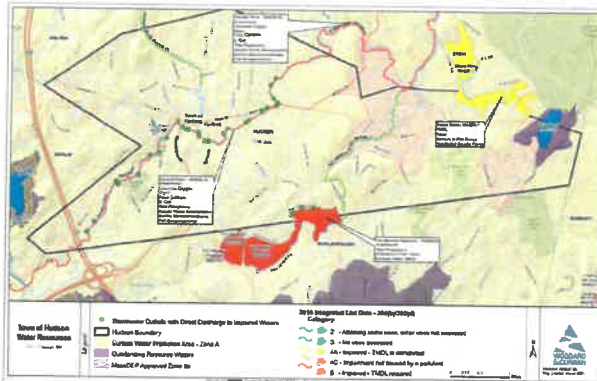
Stormwater Program and Funding Evaluation

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

Stormwater Program Evaluation




- ▶ 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	




Stormwater Program Evaluation




- ▶ 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




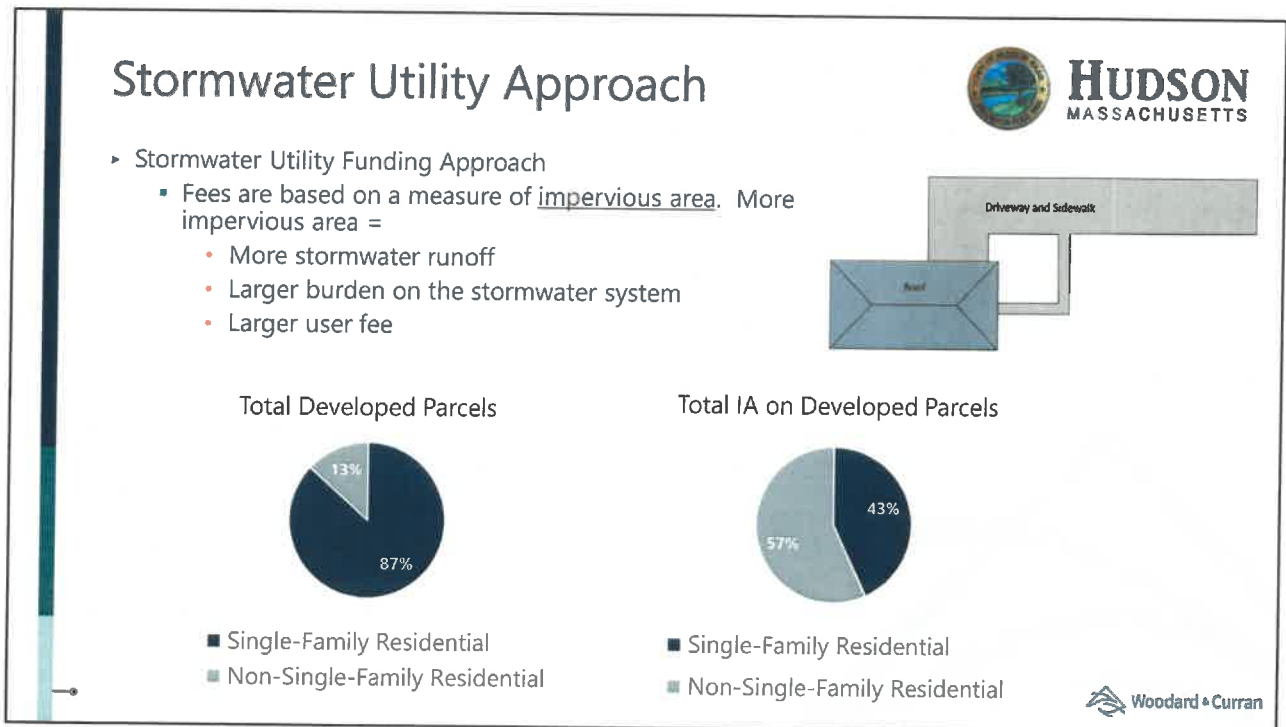
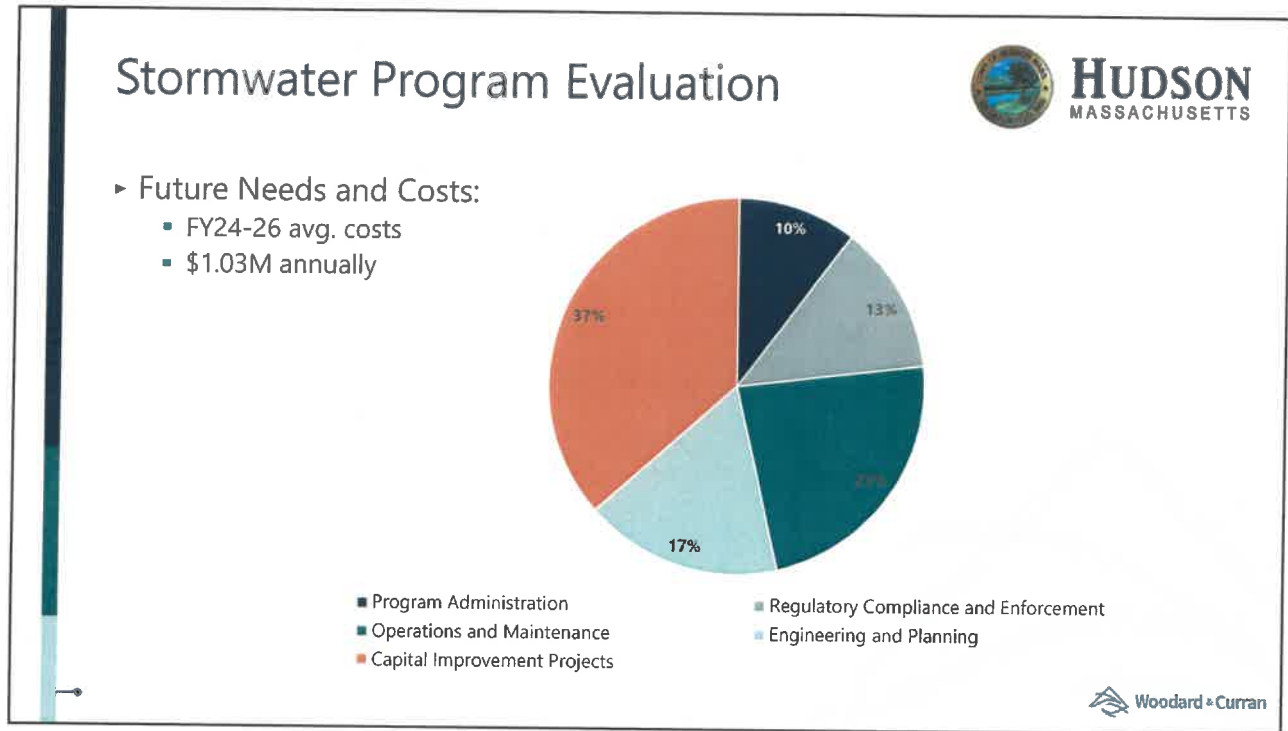
Stormwater Program Evaluation




- ▶ 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	

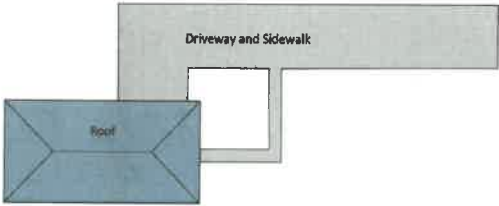





Stormwater Utility Approach


HUDSON
MASSACHUSETTS


- ▶ 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




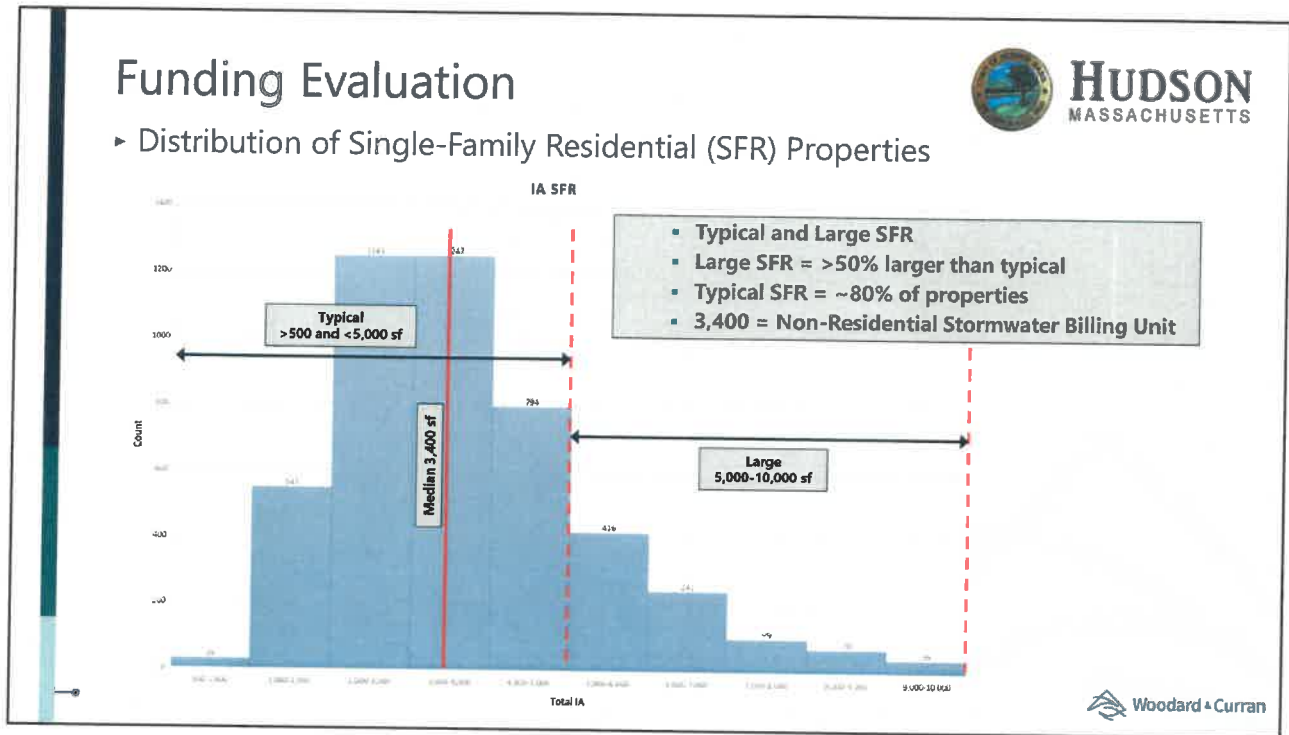
Stormwater Utility Approach


HUDSON
MASSACHUSETTS


- ▶ Stormwater utilities in MA – 2 dozen in place

Municipality	Property Type	Rate Structure	Annual Fee
Bellingham	Single-family	Flat fee	\$96
	Multi-family	Flat fee	\$192
	Other residential/commercial/industrial/tax exempt	Every 3,025 sf	Varies
Fall River	Single-family	Flat fee	\$176
	Other residential	Flat fee	\$176
	Commercial/industrial/tax exempt	\$44 per 2,800 sf	Varies
Millis	Any	200-1,499 sf	\$33
		1,500-2,499 sf	\$66
		2,500-3,499 sf	\$99
		\$33 for each additional 1,000 sf	Varies
Milton	Residential (SF, 2, 3, & 4 family)	0-2,075 sf	\$32
		2,076-2,675 sf	\$44
		2,676-4,225 sf	\$61
		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




► 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	735	Total IA ÷ 3,400 SF = billing units
5,001 to 10,000 SF	865 (18%)	1.5 billing units		
>10,000 SF	89 (2%)			



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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