



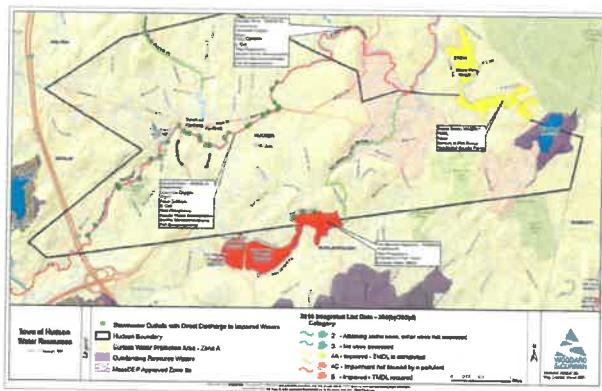
# Stormwater Program and Funding Evaluation

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



## 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



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## 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	<b>\$534,905</b>	<b>\$942,500</b>	<b>\$1,005,000</b>	<b>\$1,142,600</b>
		Avg.		<b>\$1,030,000</b>

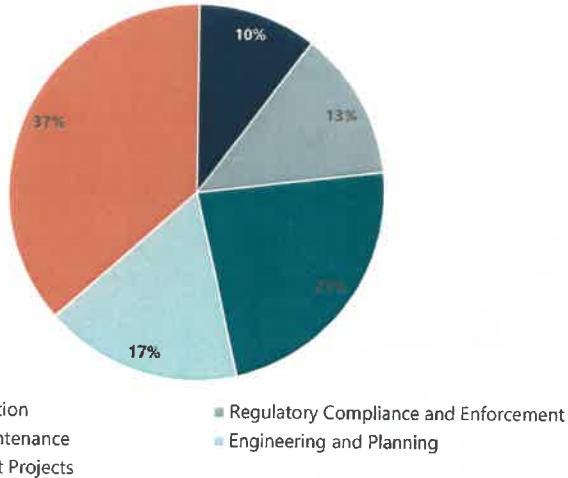
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## Stormwater Program Evaluation



### ► Future Needs and Costs:

- FY24-26 avg. costs
- \$1.03M annually



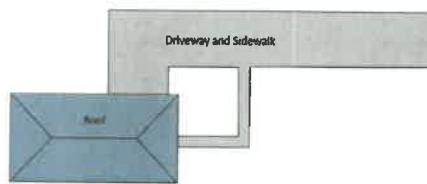
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## Stormwater Utility Approach

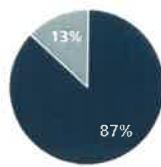


### ► Stormwater Utility Funding Approach

- Fees are based on a measure of impervious area. More impervious area =
  - More stormwater runoff
  - Larger burden on the stormwater system
  - Larger user fee

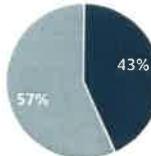


Total Developed Parcels



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

Total IA on Developed Parcels



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

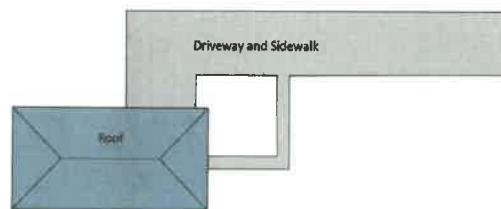
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## Stormwater Utility Approach



### ► 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

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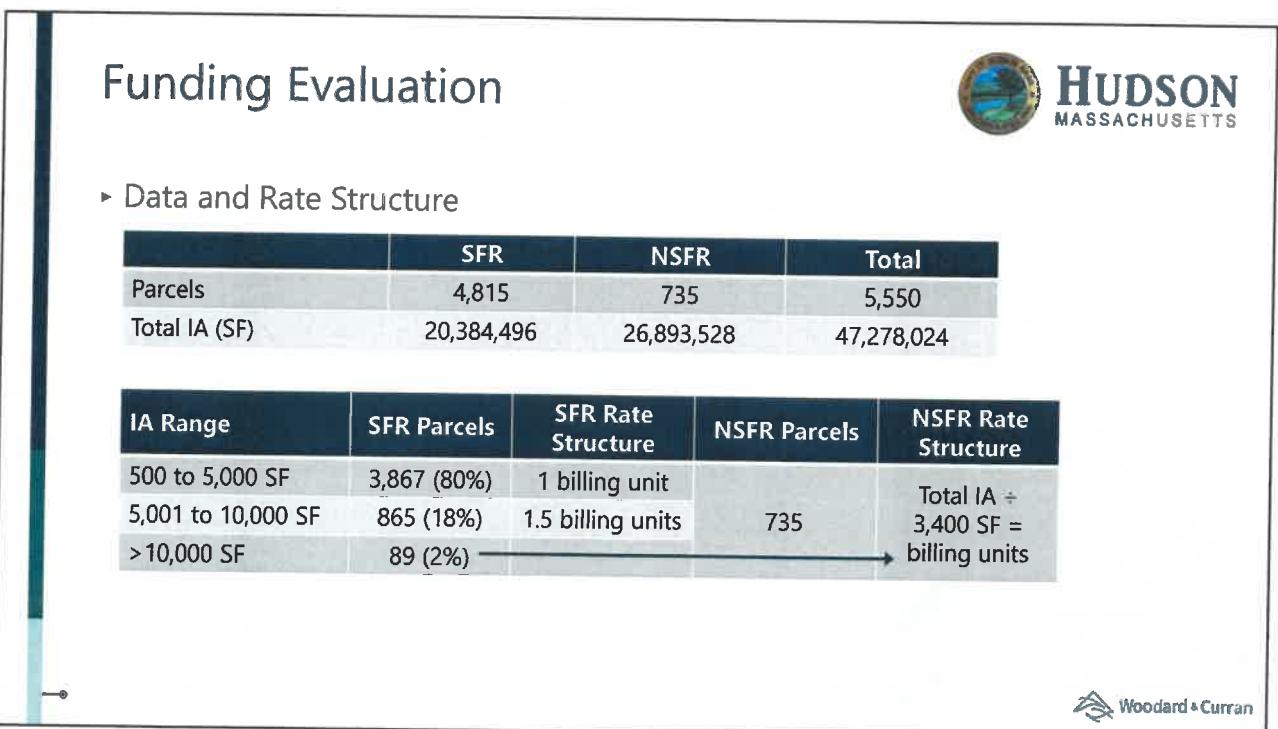
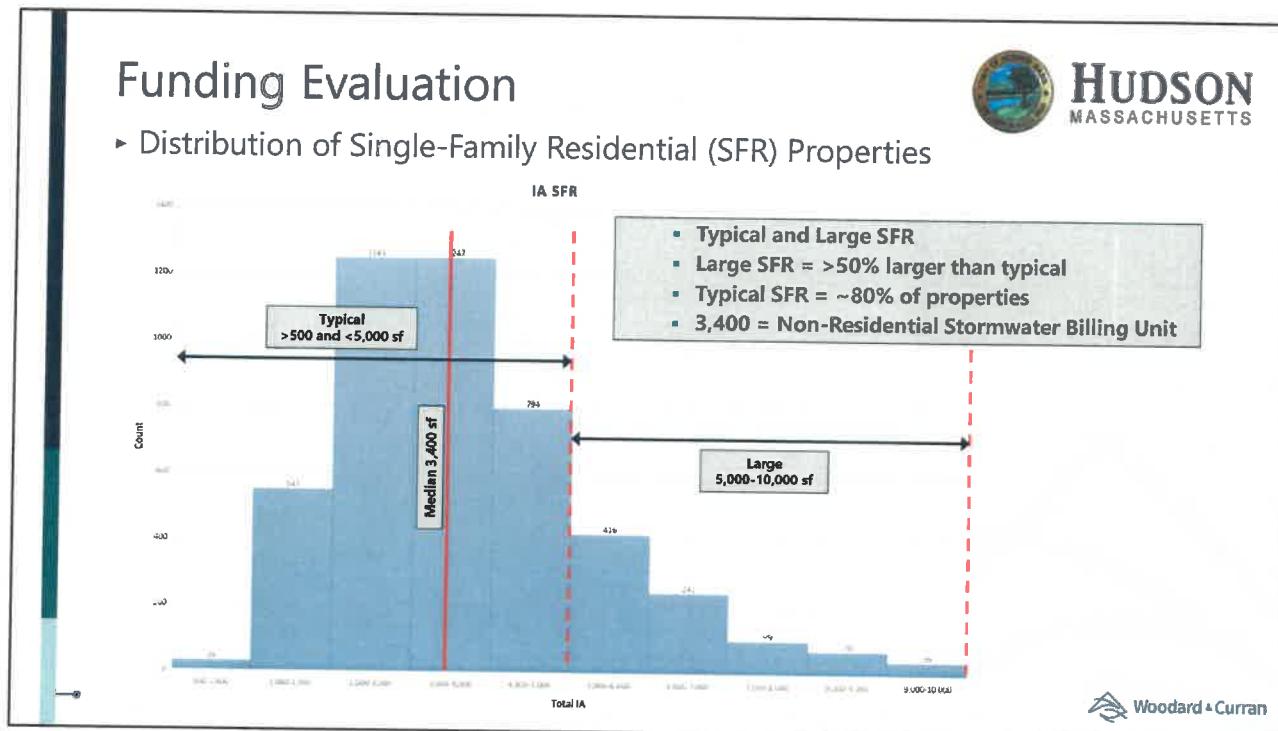
## Stormwater Utility Approach



### ► 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
		\$1.88 per 100 sf	Varies

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## 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 <sup>1</sup>	5,001 – 10,000	\$29.75	\$119
Non-Single-Family Residential	500 or greater	Calculate <sup>2</sup>	Calculate <sup>2</sup>

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 12<sup>th</sup>
- ▶ Public Engagement – October
- ▶ Town Meeting – November 21<sup>st</sup>
- ▶ Stormwater Utility Implementation Activities
- ▶ Stormwater Utility Rules and Regulations
- ▶ First Bills Sent – 2023



## Project Team



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