

Ensuring Anne Arundel County's Clean Water Success

Anne Arundel County Department of Public Works



MS4 Terms & Future Needs

◆ MS4

- ◆ Retrofit 20% of the County's impervious acres (5,862)
- ◆ Approximate capital cost to comply = \$250 M
- ◆ A variety of additional stormwater requirements (e.g., illicit discharge monitoring, education and outreach, watershed assessments, etc.)
- ◆ About \$8 million in annual, non-capital expenses
- ◆ Deadline to comply = February 2019
- ◆ Significant additional capital costs to accommodate restoration required beyond this MS4 term (i.e., WIP, next MS4 cycle)

Capital Implementation Strategy

- ◆ 55 Water Quality Improvement Projects completed thus far in permit term.
- ◆ 201 additional projects underway
- ◆ Aiming to treat ~3,100 acres through the Capital Program.
- ◆ Includes ~155,000 lf of stream and wetland restoration as well as a host of other practices.

















Anne Arundel County Restoration Grant Program

- Open to non-profit partners
- Administered through CBT
- Awarded \$444,108 in year 1
 - Leveraged \$572,428
 - Cost of about \$14,125 per acre treated
- Awarding about \$900,000 in year 2
 - Leveraging about \$1,135,000
 - Cost of about \$41,000 per acre treated



Looking for Additional Ways to Engage the Private Sector

- Creating a \$5 million “pay for performance” project in the FY17 budget
- Seeking “turnkey,” permanently protected (e.g., perpetually eased, transferred to County ownership) practices that the County can count towards MS4/TMDL compliance.
- RFP out in fall 2016.
- Paying for implementation, NOT trading.



Cleaning Up Our Records



Accounting for “Alternative” BMPs

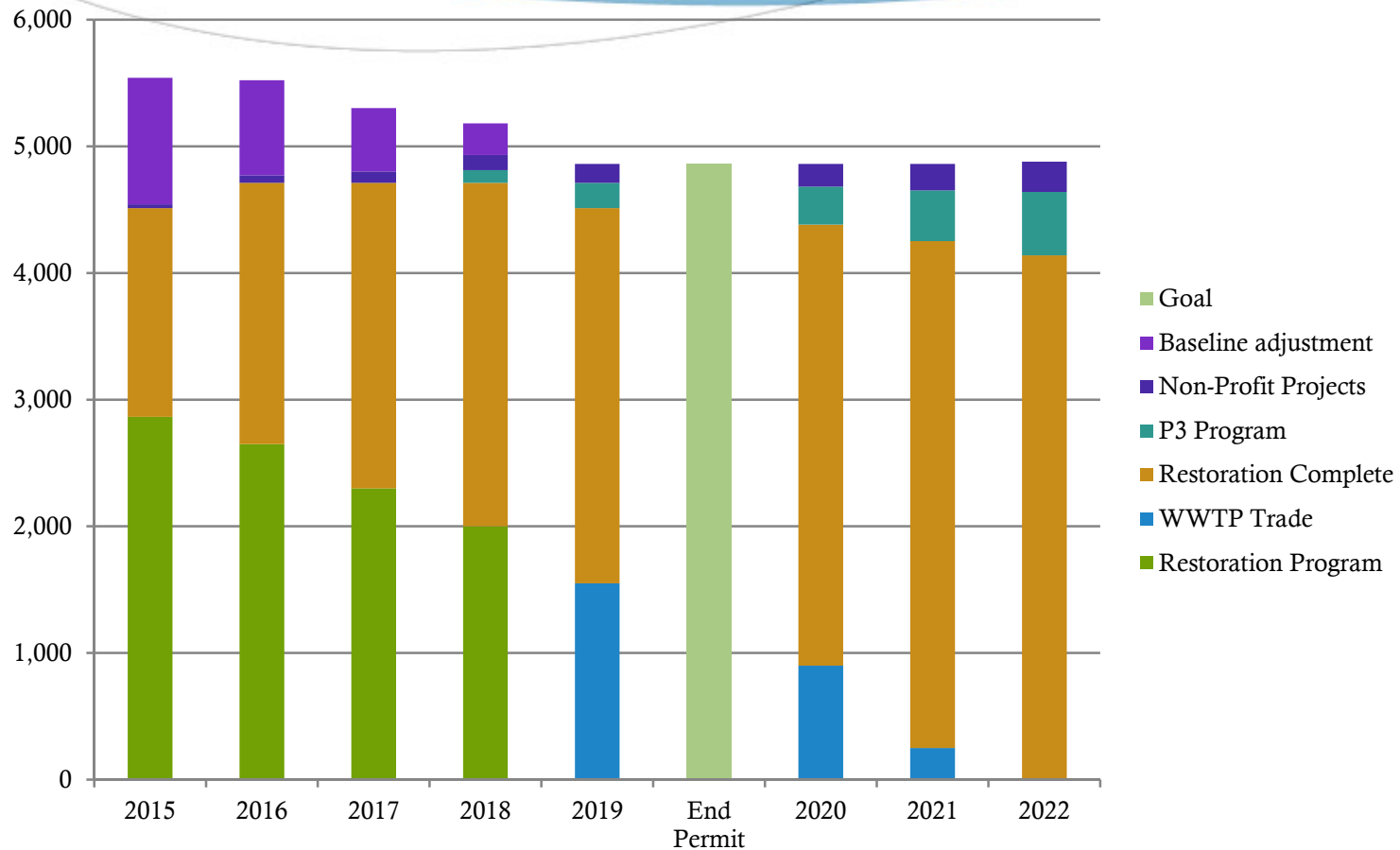


2019 Arrives¹

- ◆ Because full restoration likely remains incomplete, we could be in the same situation Montgomery County currently finds itself.
- ◆ New “baseline” is reduced by about 1,000 acres after data clean up (i.e., inspections are done of existing facilities and water quality calculations are made/documentated).
- ◆ Estimates are that 64% of restoration requirements will be achieved through MDE approved restoration practices (36% restoration in design remains (1,750 acres)).
- ◆ MDE allows up to half of the restoration requirement to come alternative practices.
- ◆ What are our options?

¹ *Planning level estimates, not for enforcement purposes.*

A Path to Compliance



Questions?

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