Great Bay

2016 NH Water & Watershed Conference
Managing New Hampshire’s Water for a More Resilient Environment – March 18, 2016
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What is PTAPP? Who is Involved?

- DES
- UNHSC
- Exeter, Stratham, Newmarket, Durham
- WISE/Geosyntec
- Regional Planning Commissions
- EPA
- Other towns and municipalities
- Stakeholders

Coastal Watershed

Phase 1
Why PTAPP & Why Now?
Process and Outcomes

Productive Meetings!

ACCOUNTING—A quantitative method for inventorying and tabulating planning, management, and conservation practices that affect hydrology and water quality

TRACKING—Information about activities that may contribute to increases or decreases in pollutant loading
Next Steps

• There are numerous accounting and tracking efforts underway in the east
  • Chesapeake
  • VT DEM
  • LIS
  • PTAPP
  • Charles River
  • Lake Champlain
PTAPP: Implementation Framework
Regional Pollution Tracking and Accounting

**Phase 1**
Planning
*(completed - 2015)*
- Developed shared definition of tracking and accounting
- Identified categories of activities for tracking
- Established regional dialogue and process
- Identified key program drivers, needs, and barriers
- Developed conceptual framework & costs for implementation

**Phase 2**
Pilot tracking program, conduct planning for accounting
- Develop Memorandum of Understanding
- Develop and test “beta” tracking database
- Work with partners (Municipalities, GRANIT, RPCs, UNHSC, DES, PREP, GBNERR, etc.) to input data and refine tracking methods
- Identify process to establish accounting methods to quantify load reductions for tracked activities
- Continue work group meetings

**Phase 3**
Evaluate pilot tracking, develop accounting methods
- Refine database based on partner input - what worked and what didn’t
- Identify technical and financial resources needed to implement tracking beyond pilot communities
- Implement process to develop accounting methods
- Develop framework for broader implementation and identify funding and key roles/providers
- Continue work group meetings

**Implementation**
Implement wider program
- Implement tracking with additional communities
- Continue process to develop accounting methods to quantify load reductions for tracked activities
- Identify and implement additional tools and financial resources as program evolves
- Convene advisory committee to aid in program assessment and development
- Provide progress reports to partners

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**2015**
**2016**
**2017**
**2018 ...**
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<table>
<thead>
<tr>
<th>Tracking Item</th>
<th>Impact &amp; Implementation priority</th>
<th>Tracking Item Definition</th>
<th>Potential for Regional Data Collection (Yes/No)</th>
<th>Recommended Regional Tracking Method/Entity (If Yes, what is the regional method? Describe how the item could be tracked)</th>
<th>Recommended Local Tracking Method (If No, what is the local method? Describe how the item could be tracked)</th>
<th>Who is responsible for providing data</th>
<th>What is the frequency of data collection</th>
<th>Suggested units for tracking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes to the amount of EC and disconnected EC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>acres</td>
</tr>
<tr>
<td>New EC removed, EC routed to previous area</td>
<td>High Phase 1</td>
<td>EC = land covered by constructed materials, such as pavement and buildings</td>
<td>Yes</td>
<td>GRANIT/PCs - track changes in EC and cover data every five years</td>
<td>Tier 1 local; Tier 2 regional</td>
<td>Tier 1 Municipalities; Tier 2 GRANITPCs</td>
<td>Tier 1 annually; Tier 2 5 years</td>
<td>acres</td>
</tr>
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Local Tracking and Regional Database Development

• Setting up development, preview, and production environments
• Designing site layout
• Designing and implementing PTAPP database
• Developing community data entry form
• Establishing user types/permissions/user registration
• Developing reporting templates
• Site hosting (for a period of 2 years)
Regional Tracking

• Land use and land use change acreages
• Impervious surface acreage
• Conservation land acreage
• Coordinating with NH DES to acquire annual updates to relevant one-stop database
General Database Architecture

- RPC Land-Use Data
- PTAPP Database
  - One-stop septic
  - Local land use and BMP Data
Questions???