



Town of

Orleans
Massachusetts

Orleans Water Quality Advisory Panel

Water Quality and Wastewater Planning

Program Status Update

September 14, 2016

Agenda

1. **Approval of Meeting Minutes of July 13, 2016 and August 17, 2016**
2. **Tri-Town Septage Treatment Facility Decommissioning and Demolition Update**
3. **Update of Public-Private Partnership and Financial Evaluations**
4. **NT Technology Demonstration Project Status**
5. **Monitoring and Modeling Plan (AMP) Update**
- Break**
6. **Amended CWMP Document: Review and Submission Plans**
7. **Warrant Agenda for Fall Special Town Meeting: Review and Recommendation**
8. **Next OWQAP Meeting and Other Meetings**
9. **Other Items**
10. **Public Comment**



Tri-Town Septage Treatment Facility Decommissioning and Demolition Update

❖ Decommissioning Plan

- Last Day of Work for Operating Staff – August 31, 2016
- Complete SOP Check List Status
- Coordinate with Town the Remaining SOP Items Not Completed

❖ Design Phase

- Completed Field Investigations and Submitted Reports (Hazardous Materials Assessment; Environmental Site Assessment (ESA); and Equipment Inventory).
- Preparing Contract Documents for Demolition
- Regulatory Coordination and Permit Meetings

❖ Compost Shelter Demolition is Part of the Tri-Town Septage Treatment Facility Demolition Contract Documents



Tri-Town Septage Treatment Facility Decommissioning and Demolition Update (cont.)

❖ Schedule

- Decommissioning – June 2016 thru August 2016
- Contract Documents – June 2016 thru November 2016
- Bidding – November 2016 thru February 2017
- Town Meeting Appropriations (Brewster, Eastham & Orleans) – May 2017
- Demolition – September 2017 thru February 2018



Update of Public-Private Partnership and Financial Evaluations

❖ Status of Discussions

- Three Downtown Business Forum Meetings Held over Summer; 4th meeting planned for 9/15
- Representatives from BOS, Planning Board and Engineering Team Participated in Discussions

❖ Planning Board Providing Updates Regarding Possible Rezoning of Downtown Area to Increase Density

❖ Calculating Potential Increase in Downtown Assessed Value/Tax Revenues as Result of Possible Zoning Changes

❖ Updating Current On-Site System Management Costs to Compare with Potential Centralized Collection and Treatment Costs

❖ Developing Scenarios for Allocating Capital and Operating Costs to Downtown Properties

OWQAP Meeting

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Update of Public-Private Partnership and Financial Evaluations (cont.)

❖ Cost Allocation Approach and Options

- Allocating cost by residential or non-residential (commercial or mixed use)
- Evaluating cost by parcel and by owner for various growth scenarios

❖ Preliminary Cost Allocations by Use Category

- Developing averages by NR category (e.g. small retail, general office, restaurant, auto repair) to establish basis for predicting costs per property

❖ Assessed Value and Tax Revenue Implications

- Calculating potential increase in AV and associated tax revenues by scenario
- Comparing potential increase in revenues to increased costs if traditional SRF (2%) is used instead of 0%

❖ Financial Model Updated

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NT Technology Demonstration Project Update

❖ Aquaculture

- Lonnie's Pond Project
- Quanset Project
- Town Cove Project
- Existing Grant Expansion

❖ Permeable Reactive Barriers

- Eldredge Parkway PRB
- Landfill PRB

❖ Horizontal On-site PRBs

- Discussions and Next Steps



Amended CWMP Document: Review and Submission Plan

❖ Draft ACWMP Submitted to Town on June 30, 2016 and Resent on July 12, 2016

❖ Comments Being Compiled

❖ Draft ACWMP will be Further Updated Based on Work July 2016-October 2016

- Shellfish Demonstration at Lonnie's Pond
- PRB Demonstration at Eldredge Park
- Downtown Planning/P3 Discussion Results
- Financial Model

❖ Final ACWMP will be Submitted to MassDEP, CCC and others end of December 2016





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Break

Warrant Agenda for Fall Special Town Meeting: Review and Recommendation

❖ Balance of FY 2017 Budget Request and Approval

- November 2016 to June 2017 – October 24, 2016 Special Town Meeting
- Review and Discussion of Draft Recommendations

❖ Draft Recommendations

- Task 1 – Continued Planning and Engineering
- Task 2 – Adaptive Management and Implementation
- Task 3 - Program Management

Refer to the FY17 Wastewater Warrant Budget Estimates Handout



Proposed Summer OWQAP and Other Meetings

❖ OWQAP Meetings

- October 19, 2016, 9:00 am to Noon

❖ Public Information Activities

- NT Technologies Working Groups
- Status Reports on NT Demonstration Projects
- Special Town Meeting Flyer

❖ Other Meetings

- Shellfish Working Group Meeting – September 14, 2016
- BOS Warrant Article Meeting - September 14, 2016
- Orleans Business Forum Meeting - September 15, 2016
- Nauset Regional School District - September 22, 2016
- Special Town Meeting - October 24, 2016
- Funding Ballot Question - November 8, 2016



Other Items and Public Comment

❖ Public Comments and Questions





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Thank You