Article 28

Little Pond Sewering Project
Bournes Pond Inlet Widening
Treatment Plant Upgrades
Woods Hole Infiltration/Inflow Project
$49,820,000

Water Quality Management Committee
Department of Public Works

April 7, 2014
Little Pond Sewering Project

1480 parcels = 1600 Sewer Equivalent Units (SEUs)

Owner-occupied primary residences (433 SEUs) 27%

Vacation homes and rentals (841 SEUs) 53%

Commercial/Multi-family Senior Housing/Other (326 SEUs) 20%
Wastewater Treatment Facility Upgrades

Required by DEP permit and settlement agreement

Construct a new pH / alkalinity adjustment system; Upgrade denitrification filters; Improve sludge thickening system; Improve sequencing batch reactors; Construct odor control system at service road vent
Woods Hole Infiltration/Inflow Project

Required by DEP permit and settlement agreement

Built in late-1940’s

Reduction of saltwater and freshwater leaks by 30,000 gallons/day

Installation of resin liner within existing pipes
### Comprehensive Wastewater Plan Projects

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>TOTAL PROJECT COST</th>
<th>PREVIOUSLY VOTED (2013)</th>
<th>ARTICLE 28</th>
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</thead>
<tbody>
<tr>
<td>Little Pond Sewering</td>
<td>$44,000,000</td>
<td>$4,500,000</td>
<td>$39,500,000</td>
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<tr>
<td>Bournes Pond Inlet Widening</td>
<td>$5,520,000</td>
<td>$300,000</td>
<td>$5,220,000</td>
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<tr>
<td>Treatment Plant Improvements</td>
<td>$5,200,000</td>
<td>$800,000</td>
<td>$4,400,000</td>
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<td>Woods Hole Infiltration/Inflow Repairs</td>
<td>$700,000</td>
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<td>$700,000</td>
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<td><strong>TOTAL to be voted:</strong></td>
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<td>$49,820,000</td>
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Current tax rate: $8.15/$1000 - Tax impact for projects in Article 28: $0.12/$1000 - $400,000 home = $48/year

PROJECTS IN ARTICLE 28 DO NOT INCREASE THE TAX RATE
Why Are We Doing This?

Fish Kills

Algae Blooms

Oxygen depletion

Shellfish decline
$600,000,000 Sewering Plan
Rejected by Town in 2009
Limited Sewering Proposed in CWMP
Alternatives the Town is Pursuing

- Bournes Pond Inlet Widening
- Shellfish Aquaculture
- Permeable Reactive Barriers
- Fertilizer Control
- Eco-toilets
Secretary’s MEPA Certificate

“The Town of Falmouth has engaged in a proactive effort to improve water quality within its watersheds, (and) a commitment to evaluate, design and construct both traditional and innovative technologies to reduce nitrogen loading to the watersheds.”

“(Falmouth’s effort) will support wastewater planning throughout Cape Cod and provide information that may be useful to MassDEP, the CCC and other coastal communities that face similar wastewater challenges.”
Falmouth’s plan is model for Cape Cod

Toward cleaner water

We are thoroughly impressed with the work of the Water Quality Management Committee in Falmouth. After years of planning and debate, Falmouth town meeting in April will decide on several major water and wastewater projects.

The plan is to try to fix the town’s water quality problems with a combination of partial sewering, improvements to the town’s treatment plant, widening the inlet to Bournes Pond, an infiltration and inflow project in Woods Hole, aquaculture and other less traditional strategies for controlling the amount of nutrients in Falmouth’s water.

Funding for design work on the traditional projects has already received approval from past town meetings as well as funding to examine alternatives, such as the use of aquaculture and eco-toilets.

Some in town say the town should wait for results from some of the nontraditional methods before approving major funding projects for traditional projects, like sewers.

But Doug Brown of Falmouth Water Stewards, a nonprofit group, said that every time the town gets sidelined by a discussion over costs and puts off sewer ing, the price rises.

“We have a great plan,” he said. “This plan allows for all the alternatives.”

As far as we are concerned, the Cape is already way behind in dealing with its water quality problems; the town should proceed as quickly as possible with the overall plan and implement alternatives as they become viable.
THERE IS NO CHEAPER PLAN
THERE IS NO BETTER DEAL
THERE IS NO BETTER TIME