

## MOTION – ARTICLE 17

**MOTION ON ARTICLE 17:** I, Matthew C. Patrick, move that the town appropriate \$2,772,250.00 for the purposes of Article 17 including costs incidental and related thereto as follows: to fund wastewater management studies, planning, design, construction and demonstration with up to \$500,000.00 for sewer design and engineering to implement the Comprehensive Wastewater Management Plan.

To meet this appropriation, the Town Treasurer with the approval of the Board of Selectmen, is authorized to borrow said sum under the provisions of M.G.L. c. 44, s. 7(1), or any other enabling authority, and to issue bonds and notes of the Town therefore; provided, however, that no money shall be borrowed hereunder unless the Town shall have voted to exclude by Debt Exclusion this appropriation from the provisions of Proposition 2 and ½, so called, under the provisions of M.G.L. c. 59, s. 21C(3) and only after passing a Town wide referendum vote that shall be placed on the ballot at the May, 2011 town election, said sum to be expended under the jurisdiction of the Board of Selectmen.

**EXPLANATION:** The main emphasis in this motion is on providing flexibility in funding to gather the information that is missing for a comprehensive analysis of options through on site demonstrations of projects alternative to conventional sewers, monitoring and studies to allow the Town the basis for proposing modifications to the CWMP over time, as appropriate. The objective is to minimize cost and maximize benefit in addressing the wastewater challenge facing Falmouth.

The motion eliminates “repairs” from the eligible projects and caps the amount that can be spent on the design and engineering for sewers to \$500,000.

The following projects are only a guide submitted by the supporters of this motion and does not legally bind the Board of Selectmen to the suggested amounts following the projects thereby leaving the BOS flexibility in funding projects that will demonstrate alternatives.

### PROJECTS

1. **Shellfish cultivation/nitrogen reduction demonstration & monitoring project** .....\$200,000  
(Explanation: Suggest a committee of Chuck Martinsen (Shellfish Warden), Ron Zweig, Ron Smolowitz and other experts familiar with the aquaculture field be formed to recommend locations for shellfish cultivation.)
2. **Bournes Pond and/or Little Pond channel widening—design/permit/build**.....\$350,000  
(Explanation: cost estimate for design/permitting of Bournes Pond (\$250,000) comes from Stearns & Wheeler draft CWMP pg. 5-23.)
3. **Permeable Reactive Barrier (PRB) demonstration project, Feasibility study to determine best location** .....\$250,000  
(Explanation: Since a deep trench is required, siting is a critical element.)
4. **Road runoff remediation for Little Pond, design/permit/build** .....\$100,000  
(Explanation: Town currently spends \$25,000/year on road runoff remediation. There are four (4) direct discharges into Little Pond.)

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- 5. **Composting toilets at municipal locations..... \$150,000**  
 (Explanation: Beach Committee info from Clivus Multrum for 6 units.)
- 6. **Composting, packaging and urine diverting toilet and denitrifying septic component.....\$500,000**  
**demonstrations and related studies at homes and businesses in the project area.**  
 (Explanation: The purpose is to provide in situ information on the use and function of these systems in homes in the project area to determine their acceptability and effectiveness. Included would also be support for: (a) education on their operation and effective use and on water conservation; (b) system monitoring; (c) the development of a system for compost/urine management; (d) the cost to restore the original toilets, if deemed unacceptable by the Town after the study; (e) a comparative economic analysis of alternatives and (f) determination of compliance with regulatory requirements and certifications

### MONITORING

- Baseline data and monitoring of impact of demonstration projects .....\$250,000**  
 (Explanation: Pre- and post-construction surveys, sampling, and water quality monitoring.)

### STUDIES

- 1. **Oyster Pond Environmental Trust, design/permit plan to meet TMDL\* limits .....\$300,000**  
 (Explanation: OPET has Total Maximum Daily Load limit but needs a comprehensive plan.)
- 2. **Town's share to complete TMDL studies for Quissett Harbor, Falmouth Harbor and Salt Pond ..... \$172,250**  
 (Explanation: SMAST confirms this is the cost for the remaining unstudied water bodies.)

### ENGINEERING

- CWMP preliminary design for sewers using W. Falmouth plant .....\$500,000**  
 (Explanation: Supplemental funds, as needed, will be voted at subsequent Town Meetings.)

**TOTAL NEW DEBT REPLACING OLD DEBT..... \$2,772,250**