



Manchester-By-The-Sea Meeting Posting

Notice of Public Meeting – (As required by M.G.L.Ch.30A §18-28)

Board/Committee: Water Resources Protection Task Force

Day & Date: Monday, March 29, 2023
Time: 12:00 PM

Location: HYBRID – Room 7 and Zoom Link Below

Signature: Sue Croft

Attendees: Tom Garrity (Ti Sales), Steve Clements (Ti Sales), Nate Desrosiers, Chuck Dam, John Round, Ann Harrison, Tom Kehoe, Jeff Cochand. Ron Parker, Ron Mastrogiacono, Mike Carvalho, Helen Bethell, Sue Croft

MINUTES

- Tom Garrity from Ti Sales provided information and a demo of their Neptune Meter product. Tom was joined by Steve Clement, also from Ti Sales. The representatives from Ti Sales gave a brief company history of both Ti Sales as well as Neptune Meter. They then showed the meter options as well as the associated software that is used in conjunction with the meters.
- Summary of Key Points:
 - Neptune offers an ultrasonic bronze meter called the R900. The next iteration of the meter will be equipped with pressure and temperature gauges.
 - The software is backward and forward compatible.
 - The network used is called FirstNet which is a government contract network designed for first responders and is supported by AT&T.
 - Collectors are located on town-owned sites and are powered at site as well (ex: water tower). The collectors can be maintained by either the Town or through a service that can be provided by Ti Sales.
 - A propagation study is conducted to determine the type of deployment (cell, LoRaWAN, or radio frequency) and is based on the cost effectiveness over the course of the 20-year warranty that comes with the smaller residential meters.
 - Annual costs associated with the meters are for software through AWS and \$10/year per box for cell charges. The total estimated cost for the equipment is about \$500 per home.
 - Meter reads happen every 15 mins and are the data equivalent of a text message. Data can be viewed by customers on an hourly basis. 96 days' worth of data history is stored on the meter.
 - Software offers push and pull notifications.

- The Town plans to use an installation company to install new meters. Ti Sales can manage the project and work with the installation vendor.