

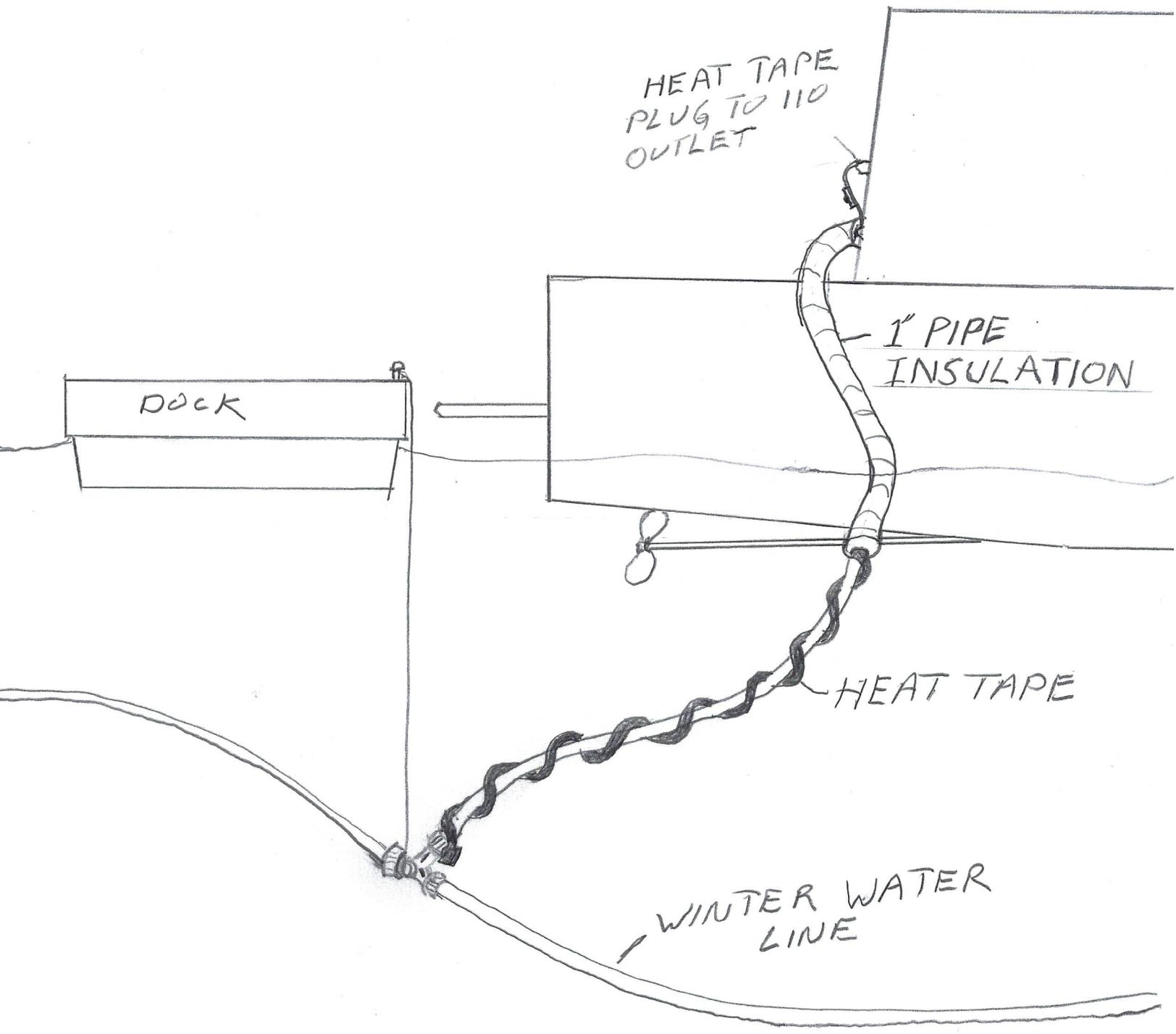
Winter Water Guidelines

It is our hope to make your stay here at Constitution Marina an enjoyable experience. Living aboard a boat in the winter in New England can pose some special problems.

Bringing fresh water to your boat during the winter months is challenging... however we have been successful in doing so by implementing some of the systems used at Canadian marinas. It is very important that you tie into our water system correctly as outlined below:

1. Marina water lines are heated as they come out of the marina building and are fed approximately 8 to 10 feet under the docks with multiple “Y” connectors for boat owners to access the fresh water during the winter.
2. The connections for the boats are Y-valves in the submerged water main that can be found by pulling up the small line that suspends the main water line under the docks between most boats.
3. There are two ways to connect to the main water supply. The first method is to connect your hose to the main and access your hose only when filling your water tank. This is the simplest connection. It only requires you to connect to the main with your hose. At the top of your hose, place a shutoff valve and a tag line to attach to your boat. You must leave your hose submerged (weighted so that it sinks) when not in use – **be sure your hose is submerged 5 or more feet under the surface so it does not freeze**. When you fill your tanks, pull up the tag line attached to your hose and turn on the valve at the top of the hose to fill your tank. There is no need to access the submerged main water line for the remainder of the winter once your water hose is properly attached.
4. The second method is a little more complicated but it allows you to hook up your boats pressure water system directly to the main bypassing your water tanks. To access the main water supply, you must wrap your hose with approved heat tape and secure it to the hose from the boat’s intake to the connection on the main 8 feet or more beneath the surface of the water (ice). In addition, you must insulate your water line & heat tape wherever it is exposed to the elements and at least 3 feet into the water. Be sure to install a shut off valve on the outside of your boat so if there is a break in the hose it does not flood your vessel. The marina water system is run in a series. Be careful when you open or close valves under water. The water line you shut down may be your neighbors. It is very important to make sure your water lines are **properly heated, insulated, and weighted**– if a hose freezes it can travel to the main and block the water supply for everyone. There is no need to access the submerged main water line for the remainder of the winter once your water hose is properly attached.
5. See the attached diagram for proper installation of heat-taped water hoses.

Please do not hesitate to contact the office if you have any questions about proper installation. If we all work together, barring any major electrical outages, we can enjoy fresh water on our boats during the harsh winter months.



HEAT TAPE
PLUG TO 110
OUTLET

DOCK

1\" PIPE
INSULATION

HEAT TAPE

WINTER WATER
LINE