

Preventing Winter Weather Damage

## **FROZEN PIPES**



## BE PREPARED FOR WINTER

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## FROZEN PIPES CAN SPLIT OR BURST RESULTING IN DAMAGE TO BUILDINGS AND PERSONAL PROPERTY

Damages can range from a few hundred dollars into the millions, depending on where in the building the damage occurs. Freezing of pipes usually occurs in unheated or poorly heated locations within the building such as basements, crawl spaces, attics, garages, electrical and plumbing chases, spaces adjacent to elevator shafts, skylights, broken or defective windows, or other openings and against exterior walls that have little or no insulation.

One cause of pipe freezing is loss of interior building heat, resulting from running out of fuel for the heating system. Loss of electric power or loss of gas, propane, oil or other fuel may also result in a disruption to heating systems.

## Prevention Can Be Simple

 Look in unheated areas such as the basement, crawl space, attic, garage, and/or against exterior walls for water supply lines and fire protective sprinkler systems. Both hot and cold-water pipes as well as fire protective systems in these areas should be insulated. For severe situations consider wrapping or lining pipes per the manufacturer's instructions with thermostatically controlled heat tape, which will turn on at certain minimum temperatures to prevent pipes from freezing. Seal leaks and replace missing insulation. Consult your sprinkler maintenance contractor prior to wrapping sprinkler pipes.



• Each year before winter sets in, have your heating system inspected and/or serviced by a properly licensed and insured HVAC company to ensure that your system is prepared for the winter months ahead.

 Maintain heat in the building with a thermostat set no lower than 60 degrees F. Check heating fuel levels when severe temperature or weather conditions have been forecast for your area.
Schedule a delivery if in doubt.

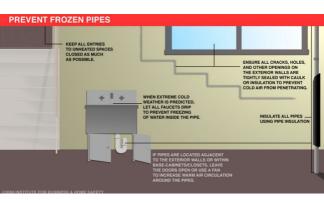
 Consider installing a backup generator or other system, which will permit the heating system to remain operational during an extended power outage.  Inspect and maintain your automatic sprinkler system. Identify sprinkler heads that are located over exterior doors and be sure to check that these areas are properly insulated and are kept heated.

 Maintain roof vents/drains: roof vents that do not close or seal properly can expose interior piping to frigid air. Roof drains that do not drain properly and subsequently freeze can cause water to back up and pressurize piping to the point of leaking or bursting.

• Know the locations of shutoff valves so that you can stop the flow of water as soon as possible when a pipe bursts.

 If you cannot do the preceding preventive measures and severe cold is forecast, turn on both hot and cold faucets near outside walls to allow a small trickle of water to run as this helps prevent freezing and pressure build up in the pipes.

 If frozen pipes are discovered, call a licensed plumber before you heat the area or attempt to thaw out the pipes as most water damage occurs during the thaw.





The material contained in this document is for informational purposes only. Your individual circumstances may vary depending upon location, type of construction and other factors and you may therefore be required to implement unique approaches to address particular issues that exist at your location. Please consult with licensed professionals and your utility providers to ensure that any safeguards or improvements you undertake are appropriate and safe.

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