

Plymouth MVP Workshop: Critical Facilities Poster Transcript

Critical Facilities are defined as important infrastructure that enable a community to function on a day to day basis or in an emergency or are facilities that provide special services to vulnerable populations. These include municipal buildings like Town Hall that allow the Town to function, Emergency Services such as police and fire, public housing, schools, long-term care facilities, dams, correctional facilities, and energy facilities.

This map illustrates Plymouth's critical facilities and their location in relation to a 0.2% and 1% Annual Chance Flood, Sea level rise at 2050 and urban heat islands.

The majority of critical facilities that serve the Town's function and emergency response are safe from climate hazard zones. However, there are seven critical facilities located in an urban heat island, importantly these include affordable housing and long-term care facilities

In summary, there are seven critical facilities located in an urban heat island, importantly these include affordable housing and long-term care; these are discussed in greater detail in **Error! Reference source not found.** The critical facilities most vulnerable to flooding, both of which are located in open water areas to serve their function, are dams (**Error! Reference source not found.**) and stormwater outfalls (**Error! Reference source not found.**). There are seven parks vulnerable to the 1% Annual Chance Flood and SLR 2050 Pilgrim Station is vulnerable to the 1% and 0.2% Annual Chance flood and SLR 2050. These include Cordage Park, Nelson Park, Downtown Plymouth, Town Brook and Stephens Field. These are discussed in more detail in Parks and Natural Areas Section 4.2.

Critical Facilities located in an Urban Heat island:

- Spring Hill Affordable Housing
- Harborwalk (portion affordable)
- Algonquin Terrace (affordable housing)
- Chilton House Rest Home (long-term care facility)
- Radius Health Care and Pediatric Center (medical facility)
- Plymouth Crossing (long-term care facility)
- Life Care Center of Plymouth (long-term care facility)

Importantly, Pilgrim Nuclear Energy Plant is the most significant critical facility in a SLR 2050 zone. A large portion of the property's waterfront and a portion of the building nearest the shoreline are susceptible to SLR by 2050. Many public and stakeholder participants have expressed serious concern about the risk of exposure of the radioactive waste stored on the premises with sea level rise. Overall, now that the plant is decommissioned, Plymouth is less vulnerable to radioactive exposure and severe and acute health impacts.

