



# Municipal Vulnerability Preparedness (MVP) Workshop

## Timeline

1. **SUMMER 2019:** Applied for the MVP planning grant, formed a Core Group, and selected state-certified MVP consultant (Kleinfelder)
2. **LATE SUMMER 2019:** Core Group meeting to identify initial target hazards
3. **EARLY FALL 2019:** Gathered available background information
4. **OCTOBER 29, 2019:** Hold 8-hour workshop
5. **LATE FALL 2019:** Finalize workshop outcomes into a report
6. **DECEMBER 2019:** Hold public listening session
7. **EARLY 2020:** Be designated a "Climate Change Municipal Vulnerability Preparedness Community" by EOEA
8. **FUTURE:** Increased funding opportunities through MVP Action grant program

## Terminology

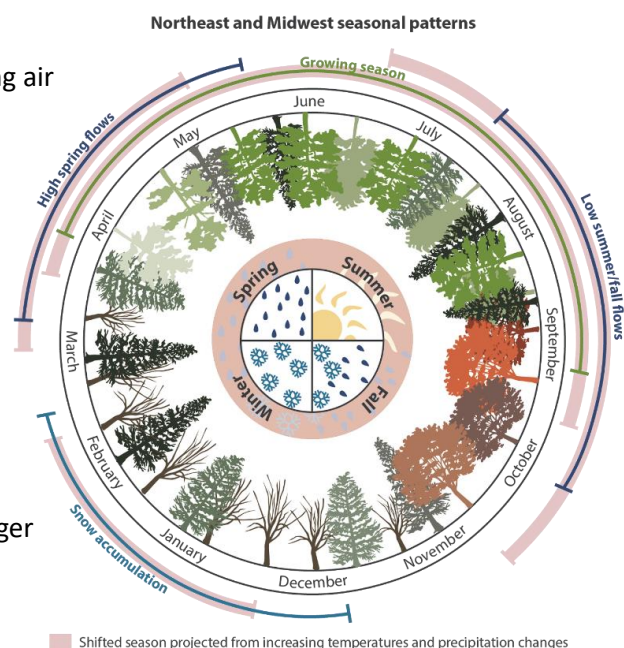
**100-year storm:** a storm that has a 1% chance of occurring during any given year.

| Storm Recurrence Interval | Annual chance of occurring | Inches of Rain in 24 hours |
|---------------------------|----------------------------|----------------------------|
| 500-year                  | $1/500 = 0.2\%$            | 11.3                       |
| 100-year                  | $1/100 = 1\%$              | 8.27                       |
| 25-year                   | $1/25 = 4\%$               | 6.45                       |
| 10-year                   | $1/10 = 10\%$              | 5.26                       |

**Microburst:** an intense small-scale column of sinking air (downdraft) produced by a thunderstorm or rain shower and is usually less than or equal to 2.5 miles in diameter.

**Drought:** Widespread drought has occurred across the region as recently as 2016, and before that in the early 2000s, 1980s, and mid-1960s. More frequent and severe droughts are expected as climate change continues to increase temperatures, raise evaporation rates, and dry out soils - even in spite of more precipitation and heavier rainfall events. More rainfall in large events could mean longer gaps with no rainfall locally.

**Heat wave:** Three consecutive days over 90 degrees.





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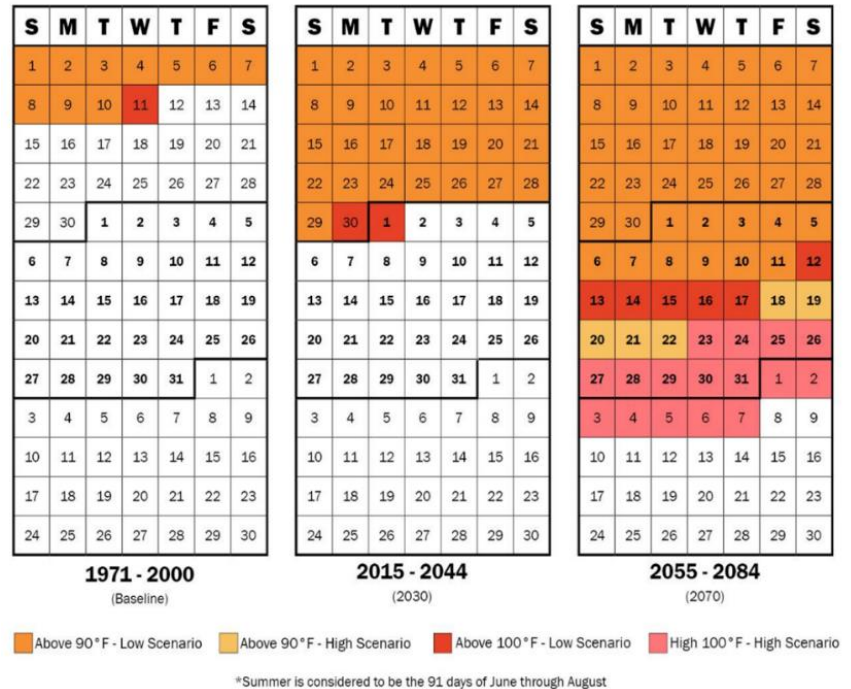
## Brush Fires

Interface: has less than 50% vegetative cover

Intermix: has more than 50% vegetative cover

**Heat Degree Days (HDD):** is a measurement designed to quantify the demand for energy needed to heat a building, derived from measurements of outside air temperature.

**Cooling Degree Days (CDD):** a measurement designed to quantify the demand for energy needed to cool buildings.



## Core Teams

| Medway's Team        | Kleinfelder Team |
|----------------------|------------------|
| Stephanie Carlisle   | Robin Seidel     |
| Allison Potter       | Laura Nolan      |
| Bridget Graziano     | John Rahill      |
| Susan Affleck-Childs | Jill Rossini     |
| Peter Pelletier      |                  |