

2018 MMA Annual Meeting & Trade Show

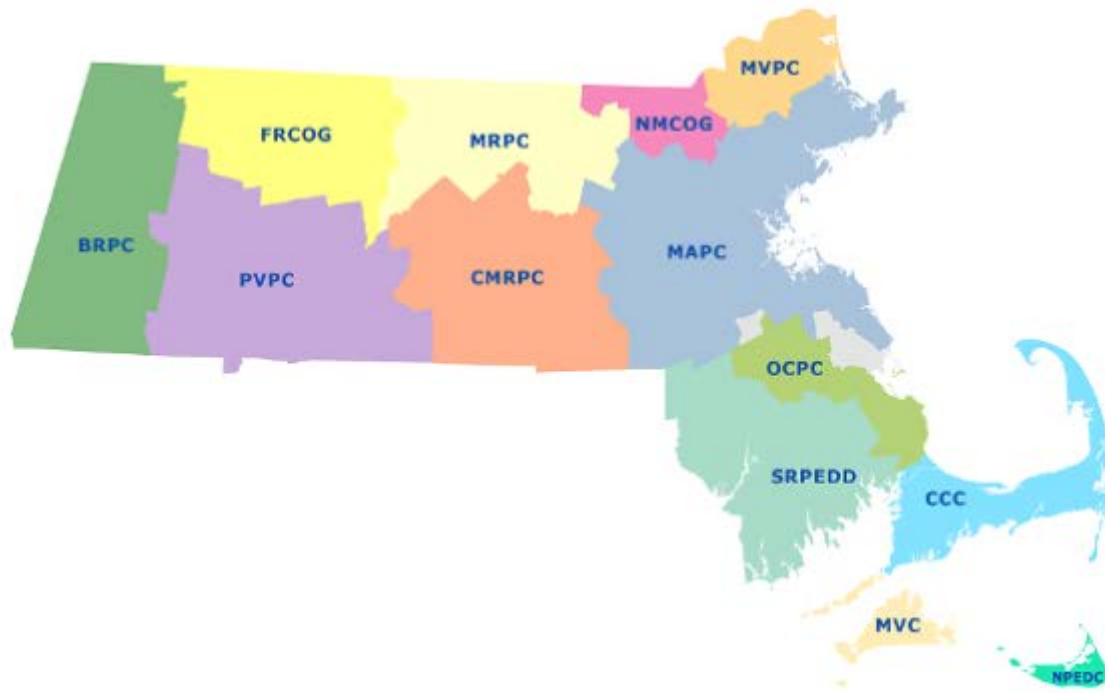
Weathering Climate Change Through Preparation

**RPAs—Catalyzing Regional Progress
Connecting Municipalities to State & Other Resources**



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13 RPAs in MA - www.massmarpa.org



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Pioneer Valley Planning Commission

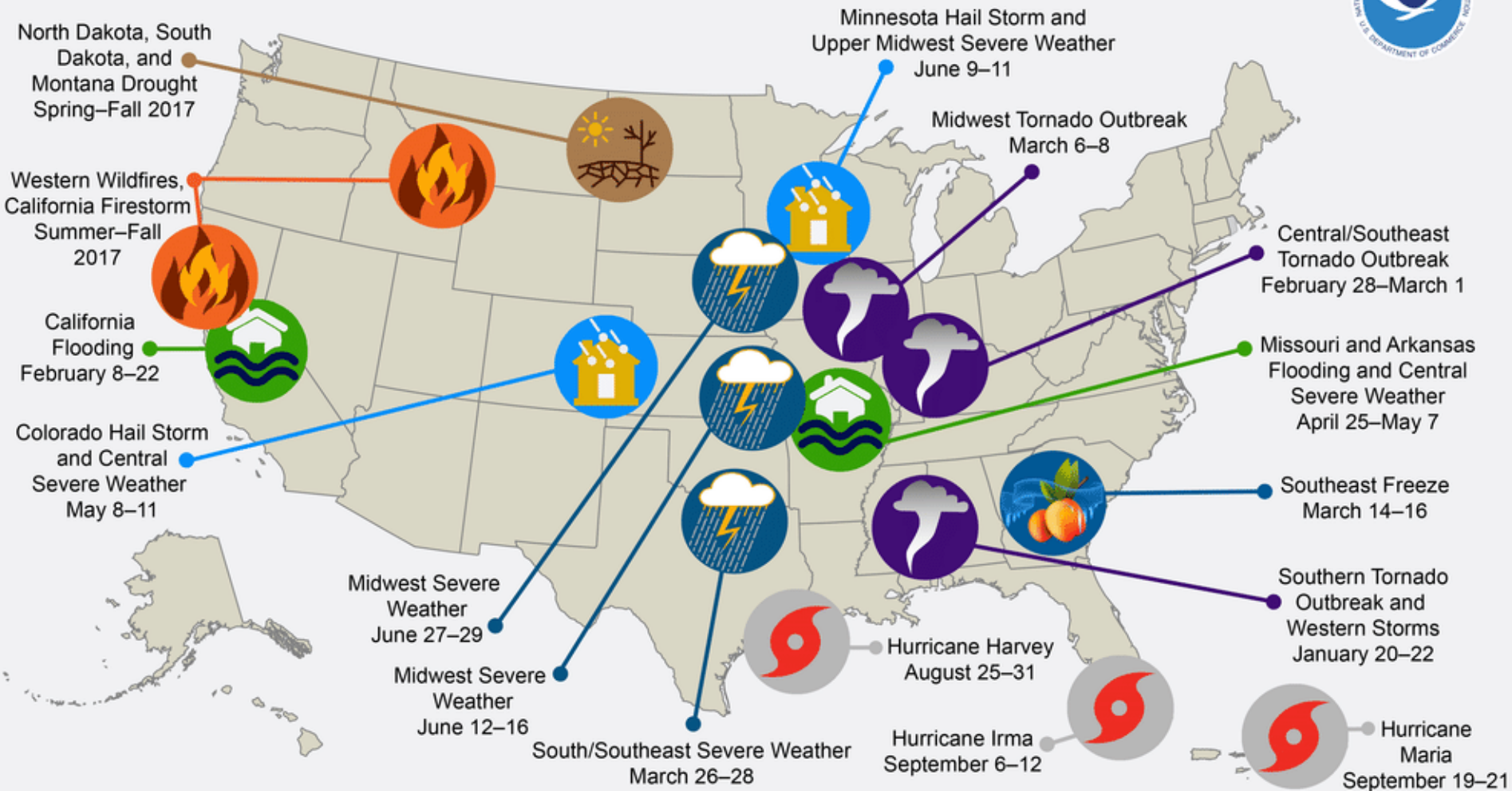
43 cities & towns
In Hampden &
Hampshire counties

PVPC = RPA
Example





U.S. 2017 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the 16 billion-dollar weather and climate disasters that impacted the United States during 2017.

resilience is the capacity of individuals, communities, institutions, businesses, and systems within a municipality to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience.

Chronic stresses weaken the fabric of a municipality on a daily or cyclical basis

- poverty,
- racism and the long term consequences and effects of institutionalized racism,
- unemployment,
- and food insecurity...

Acute shocks are sudden sharp events that threaten a municipality.

- tornado, microburst, incessant rain,
- snow storm in October when the leaves were still on the trees,
- and Hurricanes...

RPA's do Resilience – enhance member municipality capacity to survive, adapt & grow

- MVP Certified
- Hazard Mitigation Planning
- Vulnerability Assessments
- Traffic Studies
- Green Infrastructure
- Pavement Management
- Emergency Preparedness
- Transit Planning

Connecting to State & Other Resources

- Plans/certifications to access funds
- State distribution via RPAs-DLTA, Transportation
- Regional roundtables, newsletters, workshops, & ongoing education and training
- Grant Writing
- Local Technical Assistance



RPAs = clearinghouse---source of information, access to resources...

RPA's do Resilience

- enhance member municipality capacity to survive, adapt & grow

- Project Management
- Data Collection & Analysis
- GIS Services
- Historic Preservation
- CDBG
- Community Engagement
- Housing Assistance & Rehab
- Complete Streets
- Corridor Planning
- Media Relations

55 Years Local Experience Systems Approach

- **Bringing Municipalities together for shared regional vision**
- **Working muni by muni to enhance muni capacity to adapt, survive & grow**
- **Across Sectors & Subject Areas**



Regional Coordinating Bodies

- Plan for Progress
- Joint Transportation Committee
- Valley Development Council
- Regional Housing Committee
- Climate Action/Clean Energy Committee
- CT River Clean-Up Committee
- CT River Stormwater Committee

Regional Plans



Case Study

www.pvpc.org



Green Communities
Certification



MVP Assistance



Hazard Mitigation
Plan



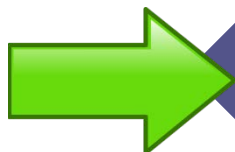
Mass

Land Use Planning
Impl Grant

Climate Action &
Resilience Plan



HMGP
Implementation



Resilience/Sustainability
Coordinator



ACCESO A ZIPCAR

ACCESS TO ZIPCAR

Significant amount of energy is used to manufacture cars - by sharing a car purchase by many people and families reduces energy use.

Cantidad significativa de energía se utiliza para la fabricación de automóviles - Pasa la diversión reduce el uso de la energía.

COCHE ELÉCTRICO O HÍBRIDO

HYBRID OR ELECTRIC CAR

Hybrid cars, such as a Prius, doubles average miles per gallon cutting your gasoline use in half.

Coches híbridos, como un Prius, duplica el promedio de millas por galón, que corta el uso de gasolina en la mitad.

ÁRBOLES

TREES

Trees on my property to provide shade and reduce heat.

Árboles en mi propiedad para proporcionar sombra y reducir el calor.

ACCIÓN CLIMÁTICA

CLIMATE ACTION

Las acciones que todos pueden tomar para reducir las emisiones de gases de efecto invernadero y combatir el cambio climático.

Climate actions that everyone can take to reduce greenhouse gas emissions and combat climate change.

JARDIN DE LA CASA/APARTAMENTO

HOME/APARTMENT GARDEN

Planting your own food reduces food emissions from transporting and packaging food.

Plantando su propia comida reduce las emisiones de transporte y empaque de alimentos.

AMIGOS Y FAMILIARES

FRIENDS/FAMILY

People I can count on for help.

Personas con las que puedo contar para ayuda.

Tienda de comestibles en el barrio

GROCERY STORE IN NEIGHBORHOOD

Especially one that sells local food (look for CSA like a Local Hero sticker). Transporting food produces a lot of CO2 emissions which leads to pollution.

Especialmente una que vende comida local (busquen a la etiqueta CSA o sea una Hero Local). El transporte de alimentos produce gran cantidad de emisiones de gases de efecto invernadero que conduce a la contaminación.

DEPENSA DE COMIDA

FOOD PANTRY

Near enough to be able to use it.

Cerca lo suficiente para poder utilizarlo.

DEPENSA DE COMIDA

FOOD PANTRY

Near enough to use in case of emergency.

Cerca lo suficiente como para utilizar en caso de emergencia.

JARDIN DE LLUBIA

RAIN GARDEN

Have garden on my property to absorb water naturally and reduce possibility of flooding.

Jardines de la lluvia en mi propiedad para absorber el agua naturalmente y reducir la posibilidad de inundaciones.

CAPACIDAD DE RECUPERACIÓN

RESILIENCE

Resilience is the capacity of people, neighborhoods, institutions, organizations, and systems to anticipate, absorb, and recover from shocks and stresses.

La capacidad de recuperación es la capacidad de las personas, los vecindarios, las instituciones, las organizaciones y los sistemas para anticipar, absorber y recuperarse de los golpes y las tensiones.

JARDIN DE LA COMUNIDAD

COMMUNITY GARDEN

City has an ordinance enabling community groups to establish gardens on vacant lots.

La ciudad tiene una ordenanza que permite a grupos comunitarios para establecer jardines en lotes vacíos.

TELÉFONO INTELIGENTE U OTRO DISPOSITIVO PARA RECIBIR NOTICIAS

SMART PHONE OR OTHER DEVICE TO GET NEWS

Get news and information from City in a crisis, and stay in touch with family/friends. Charged and base to have a solar/battery charger in case power is out for a week or more.

Obtener noticias e información de la ciudad en una crisis y estar en contacto con familiares y amigos. Completamente cargado y mejor tener un cargador solar de batería en caso de que la luz y poder no funcione por una semana o más.

AIRE ACONDICIONADO EN MI CASA/APARTAMENTO

AC IN MY HOME/APT

For times of extreme heat.

Para tiempos de extrema calor.

COMIDA DE MAS

EXTRA FOOD

In case I can't get to the store for a few days.

En caso de que no pueda llegar a la tienda por unos días.

CONFIANZA EN EL GOBIERNO LOCAL

TRUST/CONFIDENCE IN THE LOCAL GOVERNMENT

In an emergency, confidence to manage the crisis and repair infrastructure.

En una emergencia, confianza para manejar la crisis y reparación de infraestructura.

CONFIANZA EN LA POLICIA PARA PROTEGER A USTED Y SU FAMILIA

CONFIDENCE IN POLICE TO PROTECT YOU AND YOUR FAMILY

In an emergency, confidence that my neighborhood and my belongings will be protected from possible looters.

En una emergencia, confianza que mi barrio y mis pertenencias estarán protegidos de posibles saqueadores.

APLICACION DE NEXTDOOR METRO

NEXTDOOR METRO APP

This app allows you to stay connected to neighbors.

Esta aplicación le permite mantenerse conectado a vecinos.

MATRICULADOS CON CIUDAD PARA RECIBIR ALERTAS DE EMERGENCIA

ENROLLED WITH CITY FOR EMERGENCY ALERTS

Go to City home page and click on "residents" tab to sign up.

Vá a la página de inicio de la ciudad y haga clic en la página de "residentes" para inscribirse.

Key Resources

- <http://www.adaptationclearinghouse.org/>
 - An online database and networking site that serves policymakers and others who are working to help communities adapt to climate change
- <https://kresge.org/climate-adaptation>
 - The state of practice of climate adaptation in US communities
- <https://www.epa.gov/smartgrowth/smart-growth-fixes-climate-adaptation-and-resilience>
 - Changing Land Use, Building Codes & Policies to Prepare for Climate Change

www.pvpc.org

www.resilient.springfield.org

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