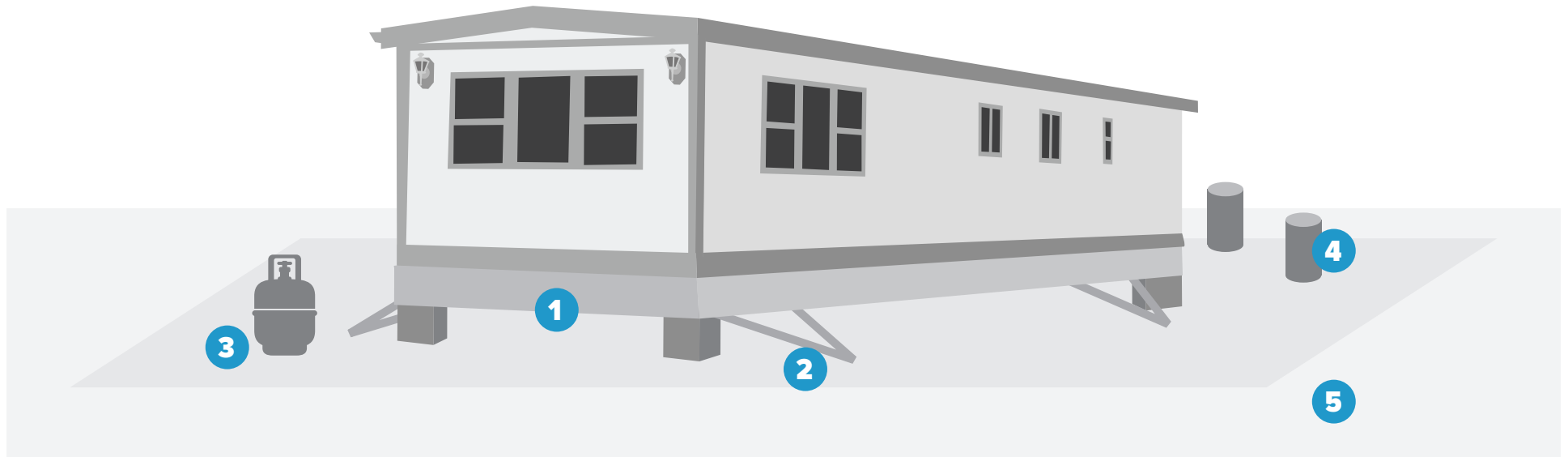


Strategies for Mobile & Manufactured Home Flood Resilience



Priority strategies for mobile and manufactured homes

- 1 Install permeable skirting:** Use skirting, such as latticework or screens, that allows water to flow through or will breakaway in a flood without damaging the structure. If there is also wildfire risk, use noncombustible lattice and add fine mesh.
- 2 Add/improve anchoring:** Hire a trained professional to anchor the home to Wind Zone III requirements and protect utility connections to the home using flexible conduit.
- 3 Secure nearby objects:** Elevate and tie down propane and fuel oil tanks, HVAC units, and any other objects that could become debris in a flood.
- 4 Install bollards:** Bollards on the upstream side of manufactured homes can prevent flood debris, such as downed trees, from striking homes.
- 5 Maintain drainage:** Keep any drainage systems clear and flowing, including ditches, stormwater systems, culverts, and gutters.



Strategies for Mobile & Manufactured Home Flood Resilience

Policy strategies for land use and new developments

- **Siting & installation:** Avoid siting new developments in areas of high risk when possible. Do not locate homes in the 100-year floodplain. Consider installing homes on a permanent concrete foundation. Require anchoring to Wind Zone III requirements and install new homes on double-stacked (as opposed to single-stacked) concrete blocks.
- **Infrastructure:** Projects that decrease flood risk at the neighborhood, community, or watershed scale are often the most cost effective. Consider stormwater management and emergency response in the design of roads, utilities, and other infrastructure. Invest in temporary flood barriers and sandbags that can be deployed in the event of a flood.
- **Evacuation:** Identify barriers to evacuation (physical, communication, transportation access) and incorporate community-based solutions into evacuation plans. Ensure roads are wide enough for emergency vehicles and evacuees, and use consistent, reflective address and street signs.

Community awareness strategies

- **Educate residents:** Provide information about flood risk, where to find real-time warning information, safety zones, and evacuation routes.
- **Engage diverse voices:** Include fire departments, emergency managers, public works staff, and public health officials in planning and development review processes. Ensure mobile home residents are included in community-wide projects to decrease flood risk.

About FloodWise

The FloodWise Community Assistance Program at Headwaters Economics provides free technical assistance and customized research to help reduce flood risk and strengthen communities. Collaborating with local governments and other stakeholders, the program extends support for project planning, capacity building, and personalized research.



Additional Resources:

FEMA. Protecting Manufactured Homes from Floods and Other Hazards. FEMA P-85, Second Edition. https://www.fema.gov/sites/default/files/2020-08/fema_p85.pdf
Code of Federal Regulations, 24 CFR Part 3285. Model Manufactured Home Installation Standards. <https://www.ecfr.gov/current/title-24/part-3285>