

Prepare for Rising Sea Levels



Near-Term Actions:

- Be sure drains and pumps are working.
- Use sandbags to prevent flooding through doorways.

Long-Term Actions:

- Retreating inland from low-lying neighborhoods will probably be necessary later in this century.
- Get involved in civic planning.

Prepare for More Air Pollution



Plan Outdoor Activities to Avoid High Pollution Levels:

- Exercise or work early in the day.
- Avoid outdoor exercise or work on hot, smoggy afternoons.
- Exercise away from freeways.

Create Less Air Pollution:

- Walk, ride a bike, or use public transportation instead of driving.
- When it's time to replace your vehicle, buy the most fuel-efficient model that meets your needs.

Trees Help Clean the Air:

- Plant California-friendly shade trees close to your home or workplace to provide cooling shade and help clean the air.



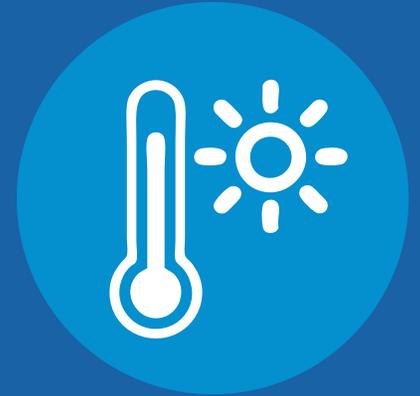
Our climate is changing in ways that will become increasingly harmful. “Climate resilient” means being able to withstand or recover quickly from challenging weather or climate conditions.

This is a series of reports by the Aquarium of the Pacific designed to help make Long Beach a model of a climate-resilient city. These reports can be found on the Aquarium’s website: **AquariumofPacific.org**.

For more information or to share these tips with friends, see **AquariumofPacific.org/conservation/climate_resilient_long_beach**.



aquariumofpacific.org



Quick Start Guide

HOW CAN YOU BECOME CLIMATE-RESILIENT?

An Aquarium Report prepared by Bowman Change, Inc. and the Aquarium of the Pacific

Prepare for Drought & Water Shortages

Free & Low-Cost Actions:

- Take 5-minute, “one-song” showers.
- Turn the tap off while brushing your teeth.
- Fix leaky faucets.

Moderately-Priced Upgrades:

Hint: Find rebates at the water department.

- Replace older toilets with new, low-flow models.
- Install a rain sensor on your sprinklers.
- When the time comes, replace the old dishwasher and clothes washer with more efficient, Energy Star models.

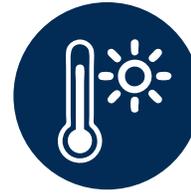
Lawn-to-Landscape Conversion:

Hint: Find rebates and information at the water department.

- Property owners, replace your lawn with a beautiful, California-friendly landscape and save up to 80% of the water needed for lawns.



Prepare for Higher Temperatures & More Extremely Hot Days



Hint: Find rebates at the electric company.

Low-Cost, Money-Saving Actions:

- Plug all electronics into smart power strips & save up to \$100/year.
- Replace all light bulbs with LED bulbs and save about 80% in the long run.
- Turn off the spare refrigerator or freezer.
- Turn off air conditioning when you are out.

Keep the Heat Out:

- Shade windows on the outside with plants or blinds.
- Plant California-friendly shade trees near your home or business.
- Fill gaps in insulation and weather strip around doors and windows.

Stay Cool Inexpensively:

- Open windows to catch the breeze.
- Use fans and ceiling fans before turning on the air conditioning.
- Install a whole-house fan to blow hot air out and bring cool air in late in the day.
- Have your air conditioner serviced every year to keep it running smoothly.

Moderately-Priced Upgrades for Property Owners:

- Upgrade insulation in the attic and under the floors.
- Upgrade to Energy Star refrigerators and air conditioners.
- Reroof with a “cool roof” flat roof or an insulation layer under shingles.
- Replace windows with high-efficiency (“low-e”) windows.

Make Larger Investments Count:

The Energy Upgrade California® Whole Home Upgrade program connects homeowners with specially trained contractors who eliminate guesswork by analyzing each home and recommending calculated energy-saving upgrades.

Prepare to Protect The Health of Others



Know Who Needs Your Help:

- Identify family members, friends, co-workers, neighbors, and others who might need help during extreme heat, storms, or other events.

Make Plans Ahead of Time:

- Know where your city’s public cooling centers are located.
- Plan to assist others ahead of time.
- Get involved in civic planning.