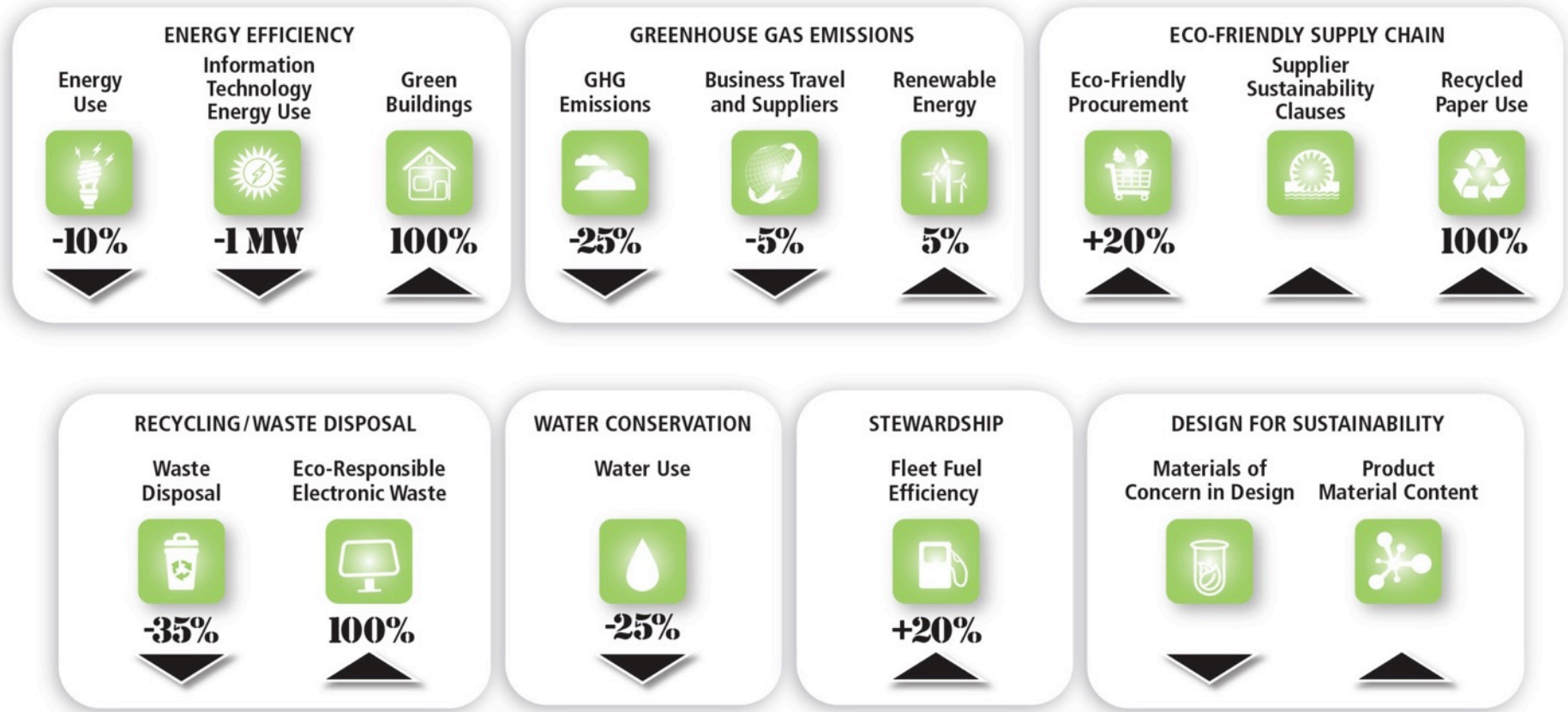


2015 SUSTAINABILITY GOALS



Water Conservation Facts

Water is a renewable resource, but it is limited and must be protected.

- ❖ Only about 2% of the world's water is fresh water just half of that is accessible drinking water.
- ❖ Wherever you may live and work, managing water use is a critical issue.
- ❖ Learning about indoor and outdoor water conservation and related water issues is the responsible thing to do



Water conservation not only saves us money, it saves energy as well.

- ❖ Nearly all of the water we obtain from the tap must undergo an energy and resource-consuming process to make it safe for our consumption.
- ❖ By using less water, we decrease the energy and resources being consumed for water treatment and transport.
- ❖ We also help ensure the health and well-being of our bodies and our environment.

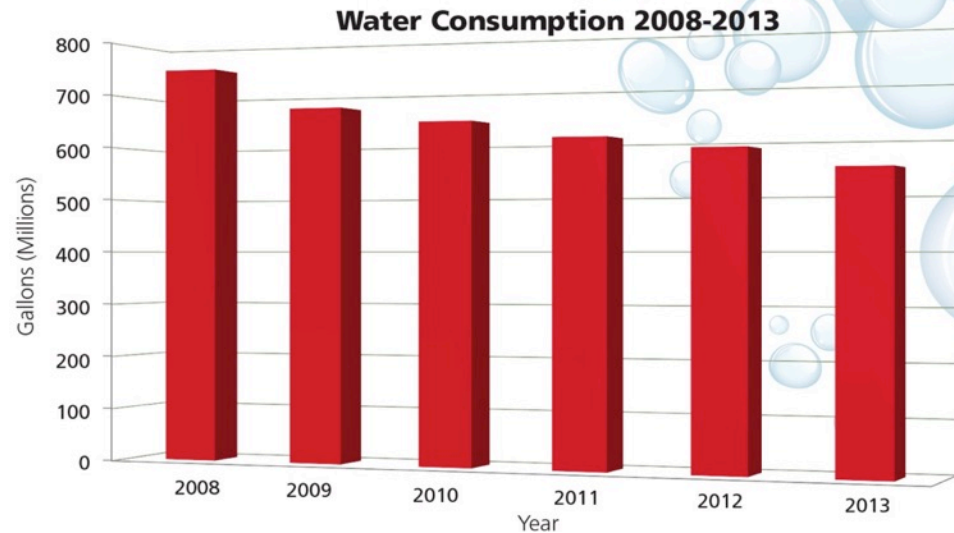
We never know the worth of water till the well is dry.
~ Thomas Fuller

Water is a precious resource

WATER CONSERVATION



- 2015 goal is a 25% reduction from a 2008 baseline.
- In 2013 Raytheon used 555 million gallons of water.
- Reductions have been achieved through the use of low flow rest room fixtures, cooling tower upgrades and efficiency adjustments, smart irrigation system installations, landscape enhancements and leak detection and repair programs.
- Innovative recycling of water streams results in the use of approximately 13 million gallons of recycled water per year, reducing the potable water demand by that amount.
- Water recycling involves the purchase of recycled water and the reuse of process water in cooling towers.

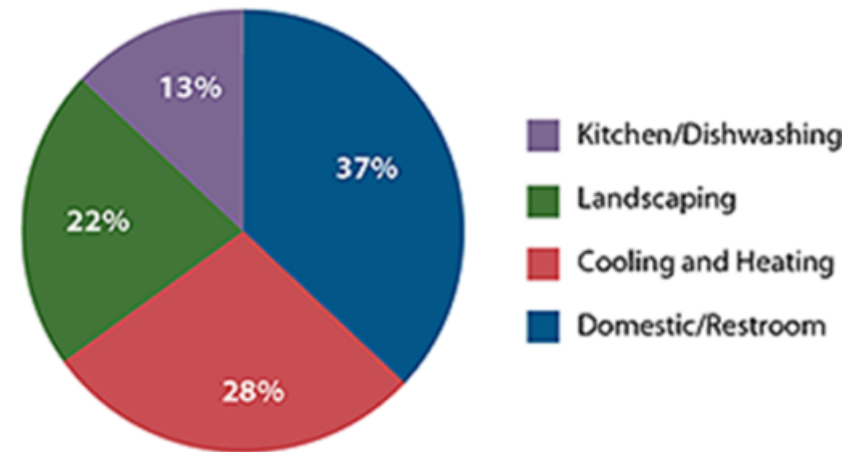


Raytheon Water Conservation Initiatives

- Building and occupants
- Irrigation
- Cooling Towers



End Uses of Water in Office Buildings



Building and occupants

- Building and occupants
 - Installation of low flow fixtures.
 - Educate occupants on the importance of reporting of leaks and broken fixtures.



Raytheon

What Can You Do to Help?

- Report any piping water leaks or toilets not working properly to your Facilities Maintenance Team
 - A leaky toilet can waste more than 18,000 gallons of water annually
 - A leaky faucet can waste up to 2,000 gallons of water per year
- If you work in a lab or process area that uses water, identify and take measures to conserve water....speak-up!
- Be on the lookout for wasteful uses of water and take action to remedy the situation
- Report irrigation that seems excessive (ponding, water running into street, operating during rain events etc.)

Be observant and speak-up to help conserve water

Water Conservation in Your State

Every area has its own unique water issues. Do you know what the key water roles and concerns are in your state?
 Go to the [WaterSense State Water Facts map](#) and click on your state to find out!

- ❖ On the job
- ❖ At home
- ❖ Wherever you are

Water conservation should be your goal.

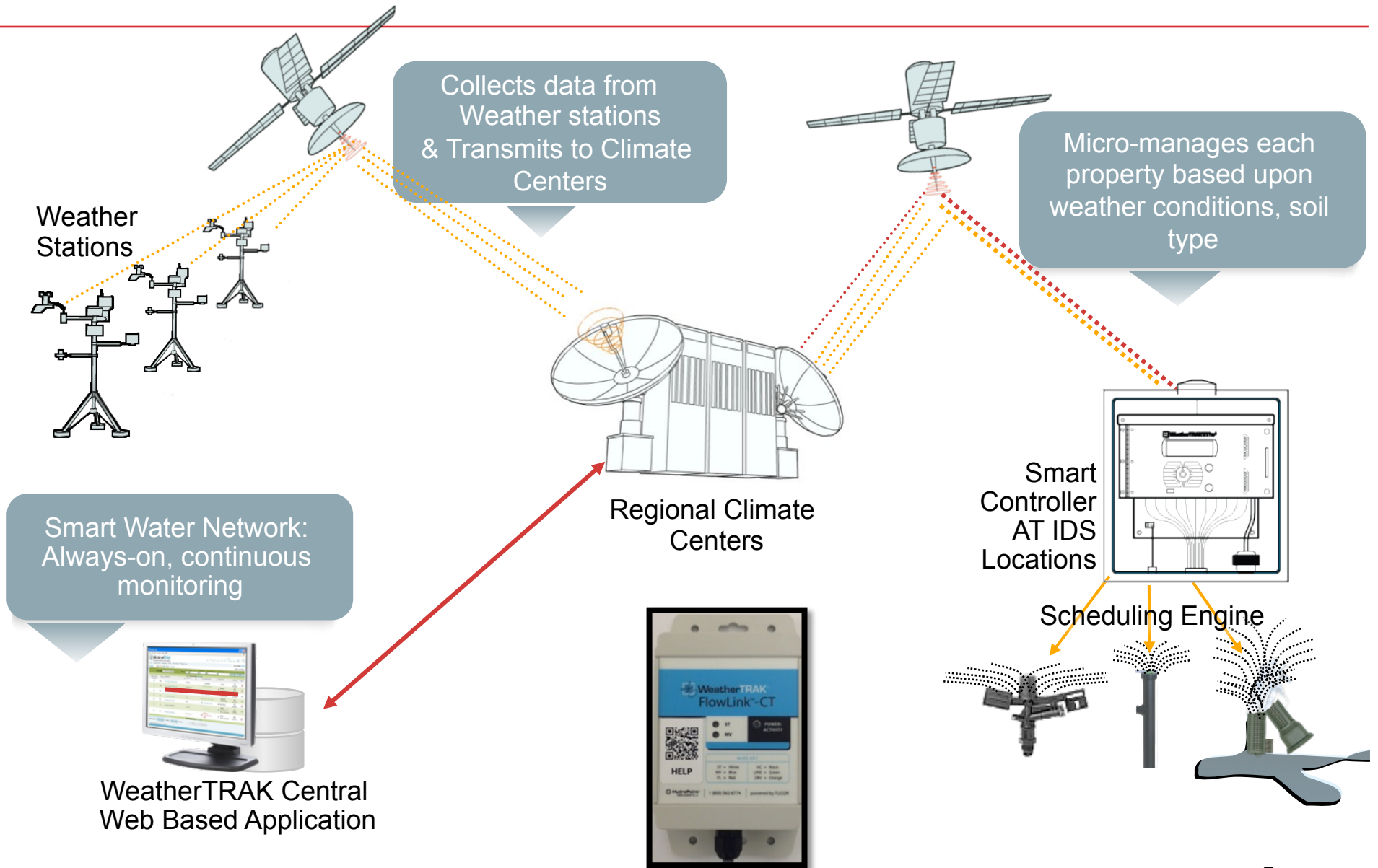
Learn about local water conservation in your area

Irrigation

- Multiple locations installed smart irrigation systems to minimize water usage based on weather conditions.
- Low water use landscaping has been installed at multiple locations.
- One California location buys recycled water for use in on-site irrigation.
- Review the position heads to water properly.
 - Look for ponding, water running into street, operating during rain events etc
- Encourage grass roots to grow deeper.
- Identify opportunities to add shrubs, flowers, or other landscape options that require less irrigation.



Smart Irrigation Controllers



Cooling Towers

- Improved water treatment to
 - Reduce scaling to improve the continuous flow of the water and heat transfer efficiency of the cooling water.
 - Reduce the number of water cycles.
- Alarming & Reporting
 - Conductivity alarms from meters.
 - Daily meter readings or real time meters on large towers.
- In some instances we recycle used process water into cooling towers to conserve potable water demand.

