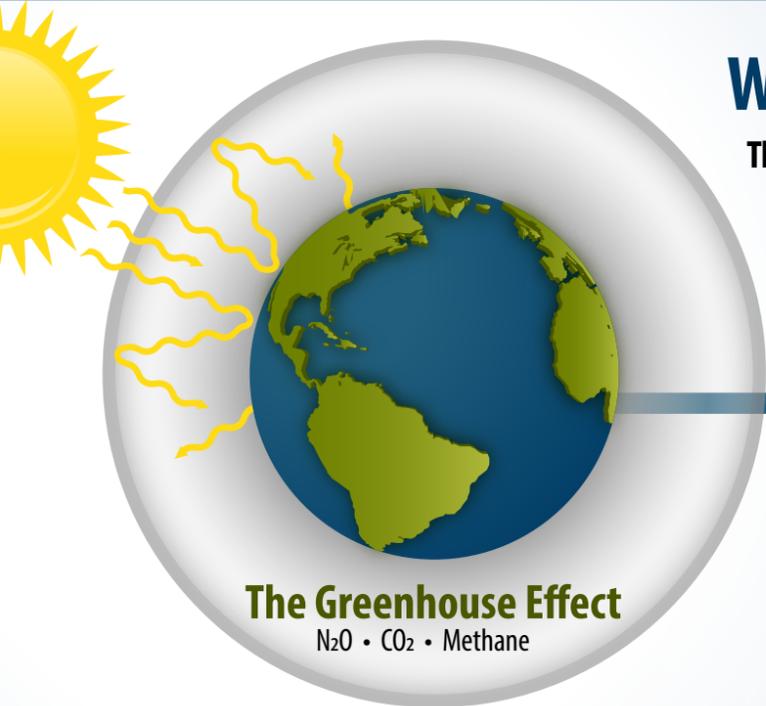


Climate Action



The Greenhouse Effect

N₂O • CO₂ • Methane

What got us here?

The Greenhouse Effect. Atmospheric gases surround Earth and hold in heat from the sun. When more gases are emitted from electricity production, transportation, changes in land use, and heating/cooling, they add to the atmosphere and trap more of the sun's heat, leading to climate change.



It's getting warmer.

The 17 warmest years on record have all occurred in the last 18 years.
(NOAA, 2016)



Sea level is rising.

Global sea level has risen 7 inches over the last 100 years and is projected to rise another 12-36 inches in the next 100 years.
(IPCC, 2016)



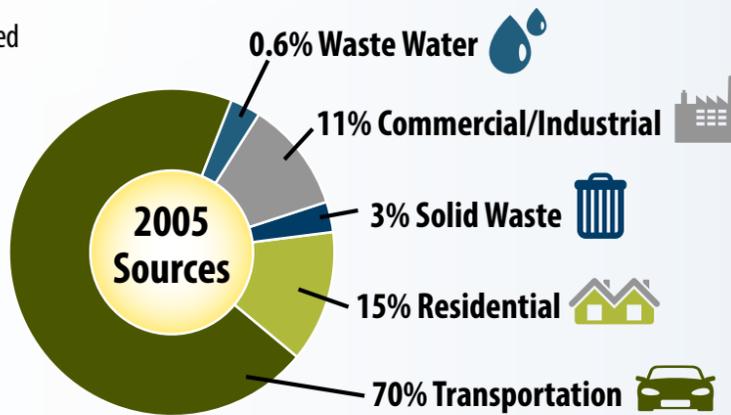
The coast is at risk.

Strong storms and extreme tides contribute to coastal erosion, threatening our beaches, bluffs, and coastal infrastructure.

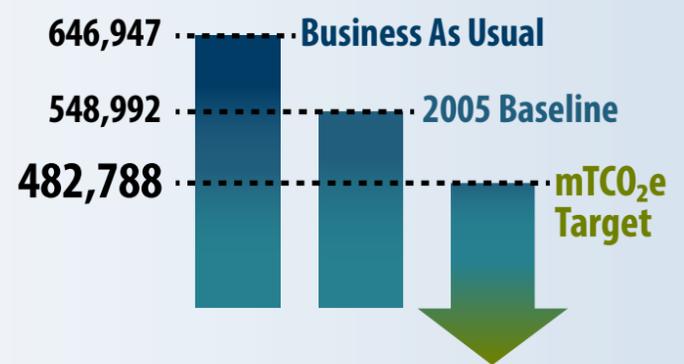
1 Climate Action Plan

Recognizing the important role that cities will play in the transition to a low-carbon economy, the City of Encinitas adopted a Climate Action Plan (CAP) in 2011. The CAP established baseline emissions, set emissions reduction targets, and provided a roadmap for achieving those targets. Encinitas' CAP is a proactive step toward addressing global climate change through local actions, with a focus on alternative transportation, energy efficiency, renewable energy, and adaptation measures.

2005 Baseline Emissions: 548,992 mTCO_{2e}*



Emissions Target: 12% below 2005 levels by 2020



*mTCO_{2e} = metric tons of carbon dioxide equivalent

2 City & Community Actions



LED Lighting
Converted **20%** of City-owned streetlights, park lights & signals to LED



LEED® Silver Certified*
Civic Center & Fire Station 2



Sharing the Road
Completed **10** pedestrian projects
Added **5** miles of bike lanes
Painted **3** miles of sharrows
Built **1** RR undercrossing



Less Paper
Online services available for records requests, document archives, public agendas, inspections, and payroll



Solar Energy
Solar panels installed with permit fees waived on **2,000+** homes



Water Conservation
Reduced water use **20%** since 2013 (SDWD)



EV Chargers
Electric vehicle chargers installed with permit fees waived for **6** public and **105** home charging stations

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3 What's next?

In FY 2016–2017, the City will update our Climate Action Plan. The update will re-inventory the City's total GHG emissions, reassess the City's reduction targets, incorporate more current and effective implementation strategies, and consider climate adaptation.

Strategies on the horizon:

- Explore Community Choice Energy options
- Install solar panels at municipal sites
- Design and build more bike and pedestrian facilities

What can you do to help?

At Home or Work

- Pre-program your thermostat
- Purchase or lease solar panels
- Install high efficiency appliances
- Reduce water use
- Reduce, reuse & recycle to minimize waste

On the Road

- Go easy on the brakes and gas
- Drive a fuel-efficient vehicle
- Check tire pressure
- Take public transit or carpool to work
- Bike or walk whenever possible

