



A Carbon Neutral Future for Hermosa Beach

# Towards a carbon neutral Hermosa Beach

Premise that pursuing carbon neutrality allows us to reduce our footprint, capture economic value and improve our quality of life

Alignment around a common ('moonshot') goal

Two paths:

- Municipal –
  - Be at the forefront ("2020")
  - Attract innovators
  - Walk the talk
- Community –
  - Be a leader in the pursuit
  - Model and learn from lessons of municipal effort

# Municipal Implementation Measures

<b>Electricity</b>	<ul style="list-style-type: none"><li>• Purchase municipal electricity through <u>Community Choice Aggregation</u></li><li>• Extensive solar on municipal and school buildings</li><li>• Energy upgrades to municipal buildings and street lights</li></ul>
<b>Municipal Fleet</b>	<ul style="list-style-type: none"><li>• Implement Clean Fleet Policy; dedicating additional \$250,000 for acceleration</li><li>• Purchase bicycles and electric-assist bicycles for employee use</li><li>• Expand EV chargers and infrastructure for City fleet &amp; employee vehicles</li></ul>
<b>Employee Commute</b>	<ul style="list-style-type: none"><li>• Assign employee transportation coordinator</li><li>• Increase (and broaden) <u>employee commute incentives</u> (2015 MOU)</li></ul>
<b>Other</b>	<ul style="list-style-type: none"><li>• Purchase <u>high quality offsets</u></li><li>• Dedicated staff member to municipal climate action initiatives</li><li>• Integrate CN policy into updated General Plan</li><li>• <u>Carbon Reduction Metrics and Monitoring Tool with user-friendly interface</u></li></ul>

# Community Implementation Measures

<b>General Plan</b>	<ul style="list-style-type: none"><li>• <u>Embed carbon reduction into city's 'DNA' through General Plan (SGC Grant)</u></li><li>• Carbon Reduction Metrics and Monitoring Tool with user-friendly interface</li><li>• Leadership!</li></ul>
<b>Energy</b>	<ul style="list-style-type: none"><li>• <u>Community Choice Aggregation</u></li><li>• <u>Rooftop solar program; rooftop wind.</u></li><li>• Funding support (PACE programs HERO, FigTree; Energy Upgrade CA)</li></ul>
<b>Transportation</b>	<ul style="list-style-type: none"><li>• <u>Complete Streets (Green, Living Streets)</u></li><li>• Mobility Bundle: Facilitate carshare, bikeshare, NEVs for short trips</li><li>• Electrification, EV charging</li><li>• Work locally: Loosen home occupation rules, work centers</li></ul>
<b>Water &amp; Waste</b>	<ul style="list-style-type: none"><li>• Conservation programs</li><li>• Recycled and grey water for irrigation</li><li>• Food waste program</li></ul>

# Challenges to carbon reduction

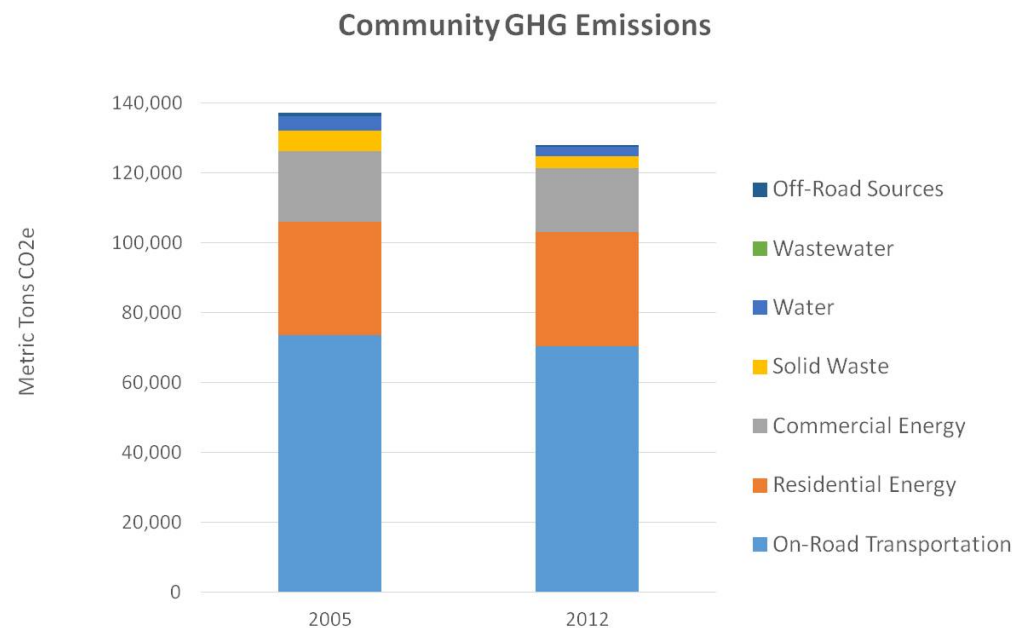
Significant transportation emissions

- And city is rail and transit poor

City does not control electrical generation

Residential energy (and water efficiency) often offset by new, larger homes

Offsets are quicker and easier



# Challenges to implementation

## Making a sustained and focused commitment

- Competing priorities
- Distracted by popular 'green' fixes
- CN is so grand; diminished enthusiasm

## Selling the value of leadership

- It's going to happen anyway
- Is waiting for technological changes easier/smarter?

Community GHG reduction requires many household level actions

Offsets vs legitimacy and results

---

# Lessons learned / what's worked

Multi faceted / multi front approach

Accept “failure”

Collaborate, build team, open door and ask for help

- Community volunteers
- South Bay COG (Regional Climate Action Planning Grant -> Inventories)
- AECOM and UCLA
- Brindle Group

You get what you measure

---

Thank you





# Emissions Forecast and Future Emissions Inventories

## Hermosa Beach Gross GHG for Municipal Operations

