

What does Resilience look like?



Environmental and Economic Sustainability Task Force (EESTF)

Name	Representing
Diane Coombs	Dist 1 - CM Lightner
Landry Watson	Dist 2 - CM Faulconer
Nicole Capretz (chairperson)	Dist 3 - CM Gloria
Nicola Hedge	Dist 4 - CM Young
Doug Smith	Dist 5 - CM DeMaio
Bill Powers	Dist 6 - CM Frye/ Zapf
Elyse Lowe	Dist 7 - CM Emerald
Anchi Mei	Dist 8 - CM Alvarez
Dr. D. Bart Chadwick	Mayor Sanders

City of San Diego

Climate Mitigation and Adaptation Plan (Climate MAP)

❖ Environmental and Economic
Sustainability Taskforce

❖ Overview of Framework

❖ Proposed Schedule



Overview of Framework

- ❖ **CO-BENEFITS:** Risk Assessment, Infrastructure Planning, Public Safety Projections (examples-fires, heat waves), Resource Management
- ❖ Mitigation of Greenhouse Gas Emissions (GHG)
- ❖ Adaptation Planning



Vulnerabilities and Public Health

1. General increase in heat stroke, heat exhaustion, and exacerbation of existing health problems
2. Increased pressure on health of especially vulnerable groups
3. General increase in occurrence and severity of respiratory illnesses
4. Higher risk from infections of West Nile Virus, malaria, dengue fever, rodent-transmitted Hantavirus

NINE (9) of the hottest years on record were between 2000-2010



Vulnerabilities and Wildfires

1. Higher risk of losing public and private infrastructure
2. Significant increase in occurrence and severity of respiratory illnesses during wildfires



Vulnerabilities and Energy

1. Higher peak demand in summertime making it increasingly challenging to provide adequate supplies
2. Higher cooling demand in urban areas due to higher temperatures (Urban Heat Island Effect)
3. Increasing pressure to diversify local supplies and renewable sources of energy



Vulnerabilities and Water

1. Fewer imported water supplies available for existing residential, municipal, and commercial users
2. Increased pressure to meet local water demand through local supplies
3. Difficulty meeting increase in water demand for new development & growth
4. Exposure to more frequent and intense droughts
5. Increasingly expensive water rates
6. Greater risk of floods impacting infrastructure



More Reasons to Develop the CMAP

- Executive Order S-3-05
- Assembly Bill 32
- Senate Bill 375
- Senate Bill 97
- California Attorney General Guidance
- City of San Diego General Plan

CMAP Will Streamline CEQA Review

- ✿ Identifies GHG emissions produced in an area (impact)
- ✿ Specifies measures to reduce GHG emissions on a project-by-project basis to achieve emissions reduction target (mitigation)
- ✿ Establishes monitoring program to track progress in meeting emissions reduction target (mitigation monitoring and reporting)



Actions from Other Jurisdictions?

Greenhouse Gas Inventories

- ✿ All 19 Local Governments as well as the Port of San Diego and San Diego County Water Authority

Local Climate Action Plans

- ✿ Chula Vista and the City of San Diego. In process for the County of San Diego, Del Mar, Encinitas, Escondido, National City, Solana Beach, and Vista

Other Regional Plans

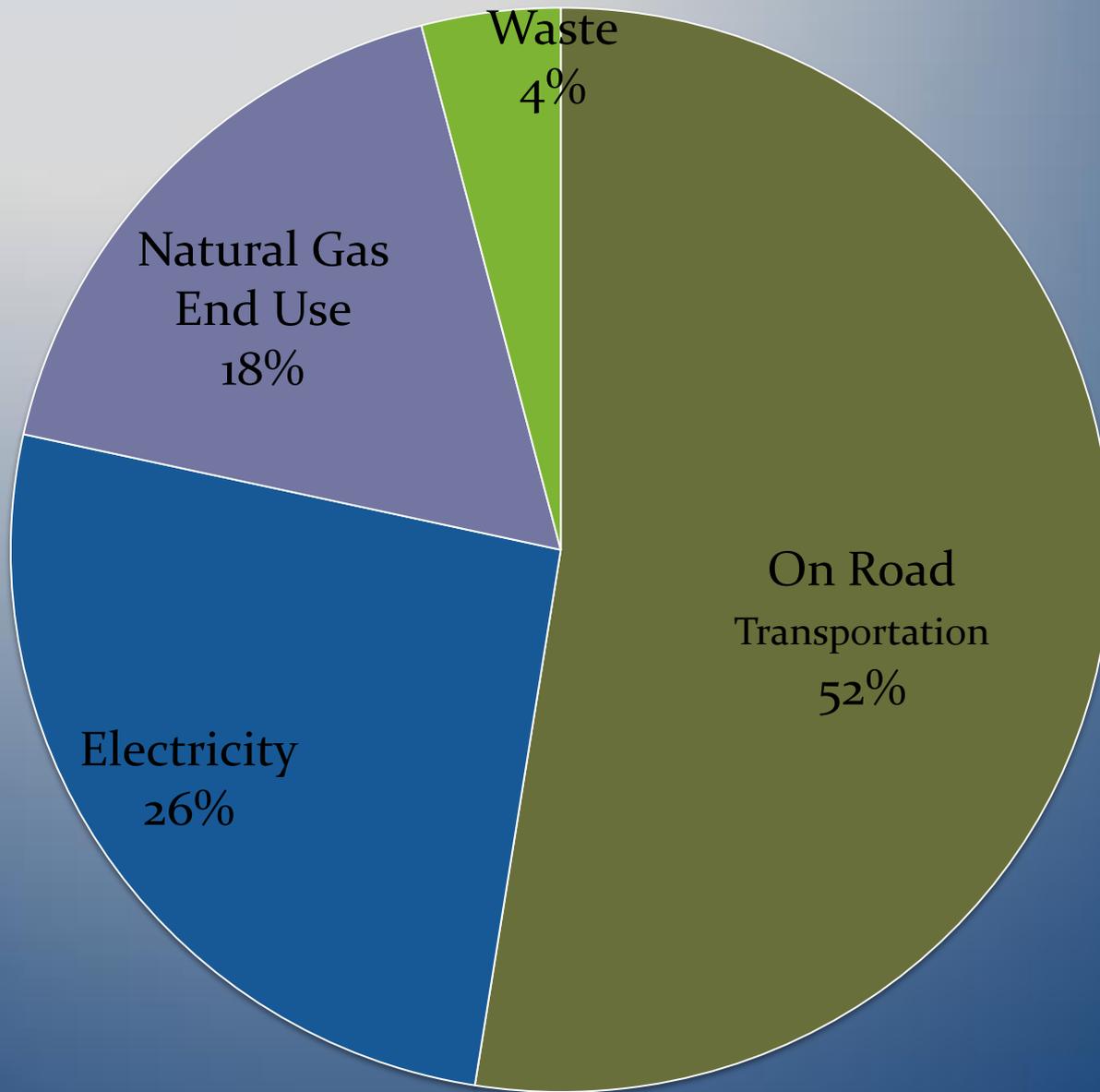
- ✿ Port of San Diego: Mitigation Adaptation Plan; ICLEI Pilot Project: San Diego Bay Adaptation Strategy; SANDAG: SB 375 Sustainable Communities Strategy; Regional Climate Action Strategy; San Diego County Water Authority: Mater Plan; US Navy Region Southwest

The Process

- **Baseline Inventory** (municipal & community-wide)
- **Business-As-Usual Forecasts**
- **Reduction Target**
- **Quantified Reduction Strategies**
 - Energy, Water, Transportation, Solid Waste
- **Economic Analysis of Strategies**
- **Monitoring & Reporting Mechanisms**

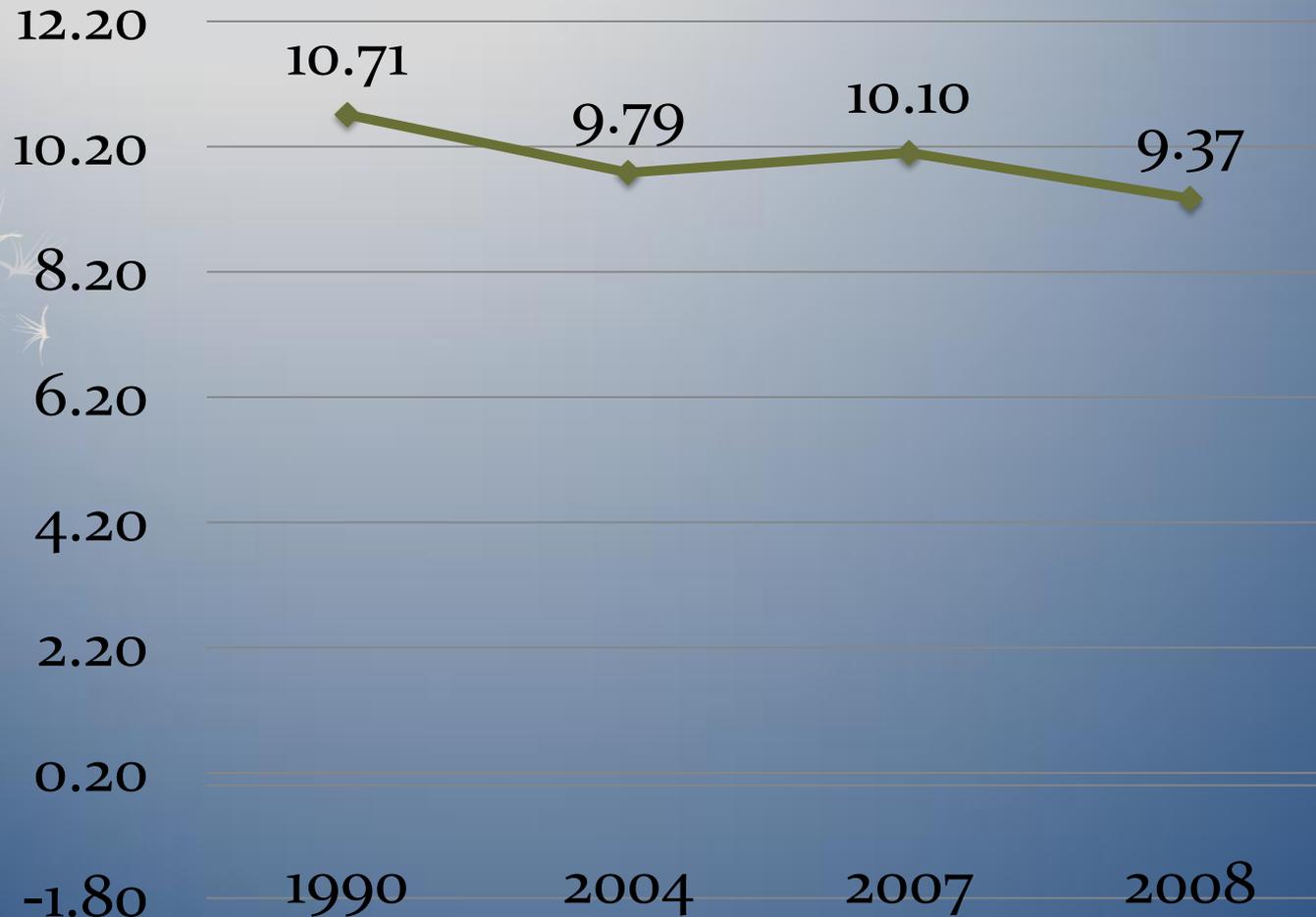


2007 Emissions by Category

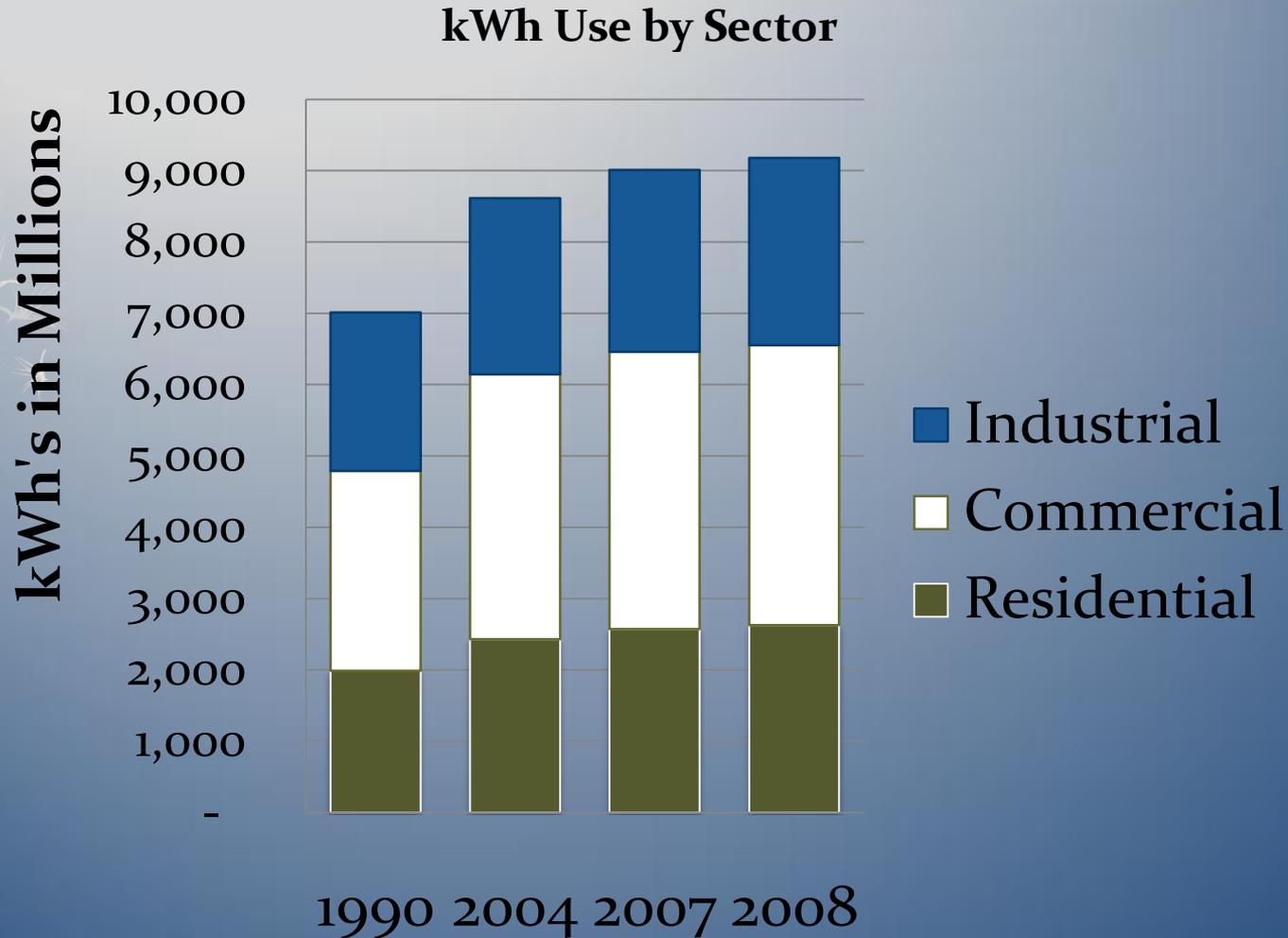


GHG Emissions Per Capita 1990-2008

GHG Emissions Per Capita in Metric Tons



Electricity Use by Sector 1990-2008



Reduction Targets

Year	Reduction Target % below 2008	Emission Level MMT CO ₂ e	Emission Reduction From 2008 MMT CO ₂ e
2020 (AB 32)	15% makes it equal to 1990	0.12 MMT CO ₂ e	0.02 MMT CO ₂ e
2035	TBD		
2050	80%	0.03 MMT CO ₂ e	0.11 MMT CO ₂ e

There are Two Ways to See the CMAP

1. Impediment to economic recovery in San Diego
2. Opportunity for creating a more prosperous and sustainable community

CO-BENEFITS: Risk Assessment and Management,
Infrastructure Planning, Resource Stewardship
and **RETAIN CAPITAL IN THE LOCAL
COMMUNITY**



Failure to See Opportunities...

- ✿ The US Auto Industry argued against Fuel Efficiency Standards for years and won.
- ✿ Foreign car manufacturers embraced the “New Normal” and an increase in market share was won.
- ✿ What do we want to win?



What does Resilience look like?

Perhaps it is making the REGION
more marketable to the new
generation of consumers.



Proposed Schedule- REVISED

Environmental and Economic Sustainability Taskforce (EESTF) meeting every 3 weeks January-August 2011

- **12-Month Process**

Discussions with Community Groups

- **4-Month Process beginning in September (changed from 2 month process)**

Draft Plan available for Council Committee Review

- **January 2012 (changed from November 2011)**

Final Plan available for Council Approval

- **February 2012 (changed from December 2011)**



For More Information

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