California Climate Goals and Location Efficiency

Elizabeth Grassi, Strategic Growth Council
CALIFORNIA CLIMATE STRATEGY

An Integrated Plan for Addressing Climate Change

VISION

Reducing Greenhouse Gas Emissions to 40% Below 1990 Levels by 2030

GOALS

50% reduction in petroleum use in vehicles

50% renewable electricity

Carbon sequestration in the land base

Double energy efficiency savings at existing buildings

Reduce short-lived climate pollutants

Safeguard California
Governor’s Executive Orders

**GREENING STATE BUILDINGS (2012)**

- U.S. Green Building Council’s LEED “Silver” certification
- Incorporate clean, on-site power generation
- Energy Reduction Target – 20% reduction by 2018
- Water Conservation Target – 20% reduction by 2020
- Zero Net Energy Target: 50% of existing building square footage and all new or renovated buildings in 2025
- Purchase / Use environmentally preferable products
- Electric vehicle charging stations at employee parking facilities
Governor’s Executive Orders

Climate Change Mitigation and Adaptation (2015)

- Established GHG emissions reduction targets below 1990 levels:
  - 40% by 2030
  - 80% by 2050

- Directs the state’s to consider resilience to climate change, including:
  - Consider current and future climate conditions
  - Prioritize actions that build climate preparedness and reduce greenhouse gas emissions
  - Whenever possible, use flexible and adaptive approaches to prepare for uncertain climate impacts,
  - Protect the State’s most vulnerable populations
  - Prioritize natural infrastructure solutions
  - Employ full lifecycle cost accounting in all infrastructure investments
California Legislation


- **ASSEMBLY BILL 1482 (2015)** – Ensures that state agencies prepare for and respond to climate change impacts; develop policies focused on people, places, and water that address these impacts and climate adaptation; and take actions consistent with the State’s climate adaptation strategy.

- **ASSEMBLY BILL 2722 (2016)** – Allocates $140 million for the Transformative Climate Communities Program to award project grants to develop/implement neighborhood-level transformative climate community activities resulting in greenhouse gas emissions reductions, and benefits to the health, economy and environment of disadvantaged communities.

- **ASSEMBLY BILL 2800 (2016)** – Directs agencies to take current and future climate change impacts into account in infrastructure planning, designing, building, operating, maintaining and investments. Establishes the Climate-Safe Infrastructure Working Group to examine and integrate scientific data into the state’s efforts to engineer, oversee, invest in, design, and construct projects.
California Vibrant Communities and Landscapes

Recognizes the inherently difficulty in making land use decisions, requiring:

- consideration of conflicts and tradeoffs, and
- balancing the needs of constituencies, including disadvantaged communities, businesses, local agencies, developers, and landowners.

This Vibrant Communities document considers land use in the context of the California’s climate change policy and how the State can support actions, at all levels of government, to facilitate development and conservation patterns that help to achieve the State’s climate goals.
California uses the Location Efficiency Score to

- Assess travel behavior, GHG emissions, and related environmental impacts that occur based on a facility’s location.
- Recognize the significance of employee commutes as part of a facility’s environmental footprint.
- Determine building performance by measuring this core attribute, along with energy and water efficiency.
- Evaluate the economic, social, and environmental benefits from constructed/leased buildings located near services, employment, and other destinations.
- Generate choice, convenience and reduced energy use by positioning facilities near public transportation, and walking and cycling infrastructure.
SGC Resolution

Adopted by the Council at their December 6, 2016 Meeting.

Goal
- Increase SGC Member Agencies average Location Efficiency score by 10%
- Each agency/department improve by 10% over their current baseline

Applies to
- New leases beginning the search process in 2017
- Infill-compatible uses only

Monitoring and reporting
- Partner with Government Operations Agency and DGS
- Feature scores and metrics on Green Buildings website
- Report to Council twice each calendar year.
FOR MORE INFORMATION CONTACT:

LIZ GRASSI
(916) 327-5362
Elizabeth.Grassi@SGC.CA.GOV