GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Climate Action Planning Framework

RESOURCES

DATA

- Gateway Cities GHG Inventories and Forecasts
- GHG Emissions Tracker
- Gateway Cities Climate Action Tracking Tool

TOOLKITS

- GHG Reduction Measure Toolkit
- Climate Change Adaptation Toolkit
- Public Engagement Toolkit

GUIDANCE

- CAP Framework User Guide **(PDF)**
- Model Climate Action Plan
- CEQA and Target Setting
- Implementation Funding and Financing

ACKNOWLEDGMENTS   **GLOSSARY**

Gateway Cities
GHG Inventories and Forecasts

DATA

Baseline Community-wide GHG inventories are provided for all Gateway cities for the year 2010. The inventories are compiled in ClearPath, a free online tool available to the Gateway cities by the State Energy Efficiency Collaborative (SEEC). Access to inventory requires a unique username and password. To access their inventories in ClearPath, Gateway cities can acquire their log-in credentials by contacting CAPframework@gatewaycog.org.

CAP FRAMEWORK COMPONENTS

- **Summary GHG Inventory Report for the Gateway Cities region (2010)** (PDF)

- **2010 GHG Inventory Reports for Individual Gateway Cities:** (DOCS)

  - Artesia
  - Avalon
  - Bell
  - Bell Gardens
  - Bellflower
  - Cerritos
  - Commerce
  - Compton
  - Cudahy
  - Downey
  - Hawaiian Gardens
  - Huntington Park
  - Industry
  - La Mirada
  - Lakewood
  - Lynwood
  - Maywood
  - Montebello
  - Norwalk
  - Paramount
  - Pico Rivera
  - Santa Fe Springs
  - Signal Hill
  - South Gate
  - Vernon
  - Whittier

- **Gateway Cities 2010 GHG Inventory Data (in SEEC ClearPath Tool)** (WEB LINK)

- **Gateway Cities GHG Inventory Methodology** (PDF)

ADDITIONAL RESOURCES

- **City of Long Beach GHG Inventory** (WEB LINK)

- **ClearPath inventory module user guide** (WEB LINK)

- **U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions** (PDF)

- **Local Government Operations Protocol (LGOP)** (PDF)

- **Practical guide to conducting a municipal GHG inventory** (PDF)

- **Additional Climate-Related Resources** (XLS)
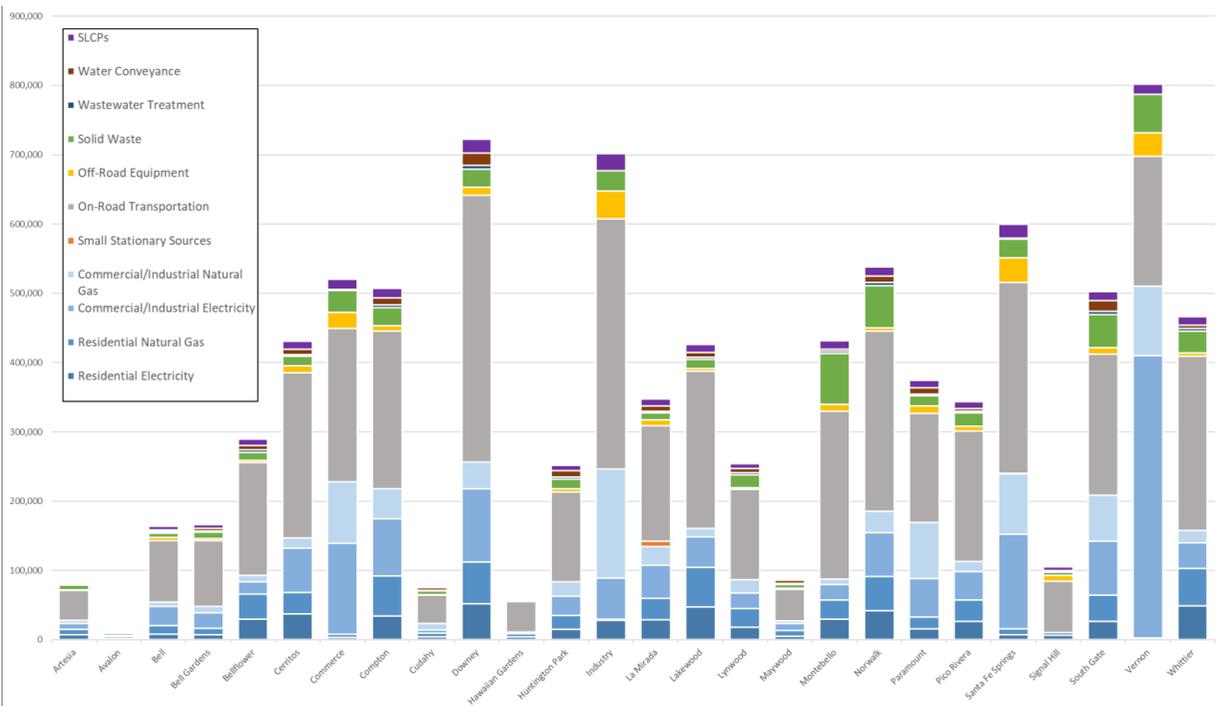
GATEWAY CITIES
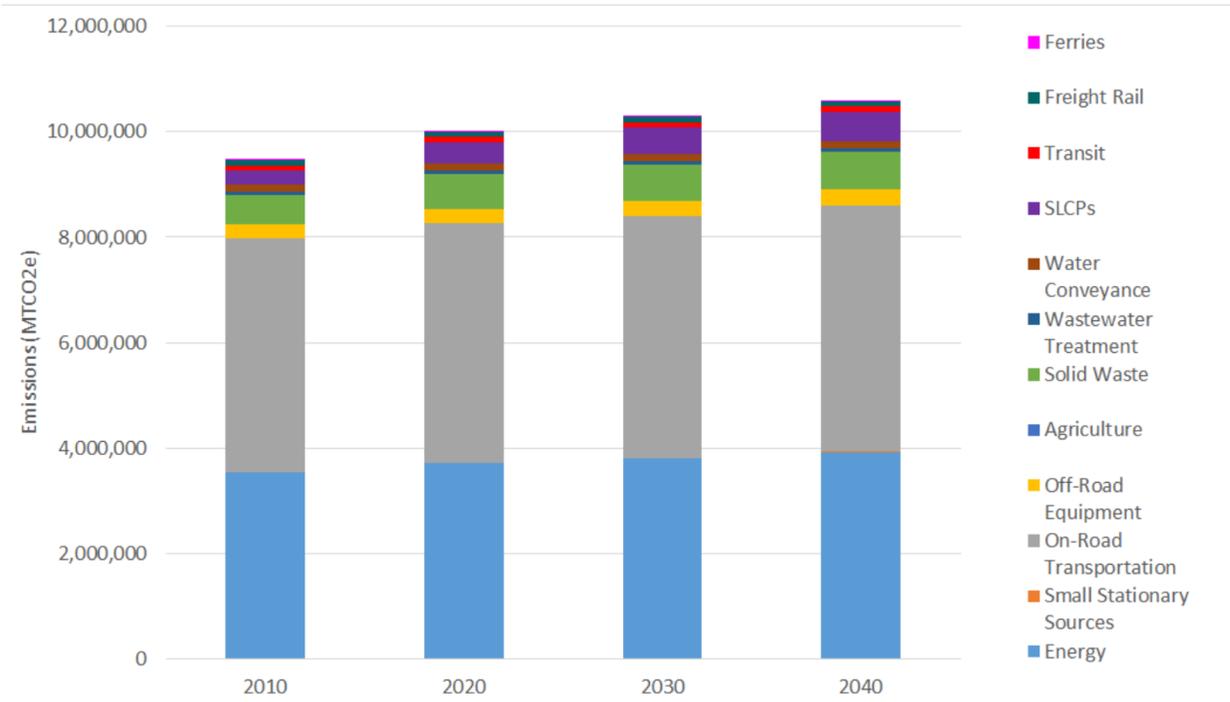COUNCIL OF GOVERNMENTS

GHG Emissions Tracker

🗄 **DATA**

As the CAP Framework gets utilized, the Gateway Cities COG will collect GHG emissions reduction data from member cities who wish to share their data and compile regional reports and charts that will be available here. For now, this page provides a summary of the Gateway Cities regional GHG inventory and forecast, and provides a link to the GHG Emissions Tracker tool, which is part of the GHG Reduction Measure Toolkit.

The first chart below summarizes emissions by sector for each of the Gateway Cities for the year 2010, excluding the City of Long Beach and excluding emissions from large industrial sources that are regulated by California's Cap and Trade program. The second chart shows forecasted total GHG emissions for the region through the year 2040 under business-as-usual (BAU) conditions, while the third chart shows the Adjusted BAU emissions forecasts expected to result from the implementation of state laws and policies on renewable energy, building energy efficiency, transportation fuels and short-lived climate pollutants. For more information on state-wide GHG policies and emissions forecasting, see the **CAP Framework User Guide**.
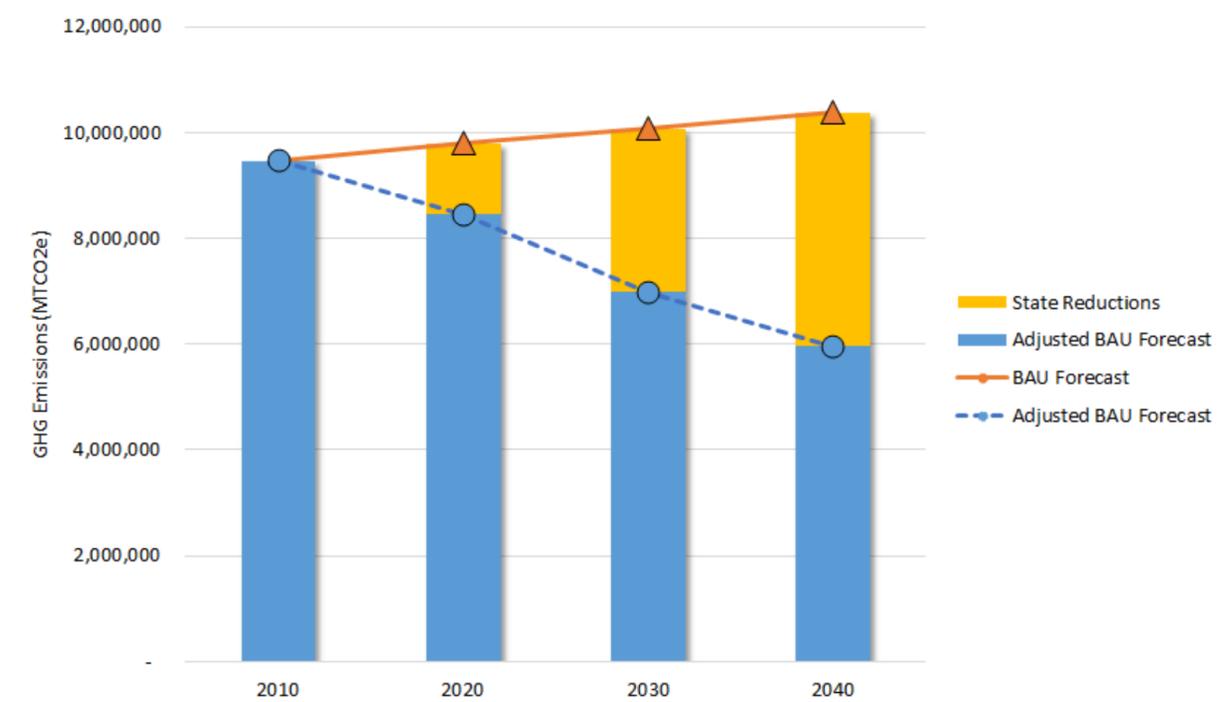
Gateway Cities Region: 2010 Community Emissions by City and Sector*

Gateway Cities Region: 2010 Inventory and Emissions Forecasts*

Gateway Cities Region: Adjusted Business-As-Usual (BAU) Forecast*

* Without Large Stationary Sources and without City of Long Beach emissions

CAP FRAMEWORK COMPONENTS

A component of the GHG Reduction Measure Toolkit, the GHG Emissions Tracker allows member cities to track community GHG emissions over time and measure progress toward their community-wide GHG reduction targets.

- **GHG Emissions Tracker** (XLS)

Gateway Cities Climate Action Tracking Tool

DATA

The Gateway Cities Council of Governments maintains the regional Climate Action Tracking Tool (CATT) to keep track of voluntary city efforts in various climate programs and activities. The CATT displays program participation, designation and/or eligibility information on the Beacon Program, Energy Leader Partnership, Clean Power Alliance, and other similar programs across GCCOG jurisdictions. Additionally, the CATT provides information on city populations and local planning documents. Updates to the CATT are made as new information is received.

Note: if you have new or corrected information for the CATT, please contact us by email at **CAPframework@gatewaycog.org**.

CAP FRAMEWORK COMPONENTS

- **Climate Action Tracking Tool (CATT)** (PDF)

ADDITIONAL RESOURCES

- **Long Beach Climate Action and Adaptation Plan (CAAP)** (WEB LINK)
- **Beacon Program** (WEB LINK)
- **Gateway Cities Energy Leader Partnership** (WEB LINK)
- **HERO Program (Renovate America)** (WEB LINK)
- **Los Angeles County Clean Power Alliance** (WEB LINK)
- **SoCalREN** (WEB LINK)
- **STAR Communities** (WEB LINK)
- **Tree City USA** (WEB LINK)
- **Additional Climate-Related Resources** (XLS)

GHG Reduction Measure Toolkit

🧰 **TOOLKITS**

The GHG Reduction Measure Toolkit assists cities with selecting and prioritizing GHG reduction measures that can achieve the greatest GHG reductions and sustainability co-benefits at the least cost to the local government and to the community. The GHG Reduction Measure Toolkit lets users select and prioritize GHG reduction measures based on their effectiveness in reducing emissions and alignment with local planning objectives and available funding sources.

- **GHG Reduction Measure Toolkit Instructional Guide** (PDF)
- **Excel-based Reduction Measure Quantification Tool** (XLS)

CAP FRAMEWORK COMPONENTS

For each regional and local GHG reduction measure included in the GHG Toolkit, a GHG Reduction Measure Template provides an overall description of the measure and the strategies and actions that local governments can employ to implement the measure. The templates can be customized by each city to reflect local performance goals and tracking metrics, community benefits, local implementing actions and responsible parties, implementation partners, and potential funding sources. Once customized, they can be integrated into GHG Reduction Measures chapter of the **Model Climate Action Plan** template.

GHG Reduction Measure Templates (DOCS)

- **Regional Measures (R)**
  - R1: Implement the SCAG RTP/SCS
  - R2: Engage and Partner with Large (Cap and Trade) Industrial Facilities
- **Energy Efficiency and Conservation (EE)**
  - EE1: Improve Efficiency of Existing Buildings
  - EE2: Promote Green Building
  - EE3: Improve Efficiency of Municipal Operations and Public Infrastructure
- **Renewable Energy (RE)**
  - RE1: Increase Local Renewable Energy Generation
  - RE2: Promote and Maximize Community Choice Energy (CCE) and Utility Renewable Energy Offerings
  - RE3: Promote Conversion from Natural Gas to Clean Electricity
- **Land Use & Community Design (LU)**
  - LU1: Promote Smart Growth, TOD, and Complete Neighborhoods
- **Water and Wastewater Systems (WA)**
  - WA1: Promote Water Conservation
  - WA2: Promote Water Recycling and Greywater Use
- **Waste Reduction and Recycling (WR)**
  - WR1: Solid Waste Diversion programs
  - WR2: Organic Waste to Energy

- **Sustainable Transportation (TR)**
  - TR1: Support Fuel Efficient and Alternative Fuel Vehicles
  - TR2: Improve Pedestrian and Bicycle Infrastructure
  - TR3: Expand Public Transit Options and "last mile" Connectivity
  - TR4: Expand Car Sharing, Bike Sharing, and Ride Sharing
  - TR5: Infrastructure to Improve Traffic Flow and Efficiency
  - TR6: Support Transportation Demand Management
- **Green Infrastructure, Parks, Urban Forestry and Agriculture (GA)**
  - GA1: Support Urban Tree-Planting, Park Access, and Green Infrastructure
  - GA2: Support Sustainable Food and Urban Farming
- **Green Business and Industry (GB)**
  - GB1: Engage and Partner with Local Industries and Businesses to Reduce Emissions
  - GB2: Grown Green Economy / Increase Green Jobs

Climate Change Adaptation Toolkit

TOOLKITS

The Gateway Cities Adaptation Toolkit provides cities with baseline information on climate hazards and adaptation measures to help prepare them for the potential impacts of climate change. The Adaptation Toolkit is designed to help cities integrate climate change adaptation into their Climate Action Plan, General Plan, and/or Local Hazard Mitigation Plans, and meet the requirement of State legislation (i.e., SB 379).

The Adaptation Toolkit provides background data and analysis on climate hazards, guidance on vulnerability assessment, and the recommended goals, policies, objectives, and actions necessary for Gateway cities to increase community resilience to climate change. To meet the intent of SB 379, the Gateway Cities should use the methodology established in the **Regional Resilience Framework**, which outlines a five-step process to engage stakeholders, assess the potential impacts of climate change, identify and prioritize strategies, define financing options and take action, and measure and evaluate results.

Detailed guidance on using the Adaptation Toolkit is provided in the **CAP Framework User Guide**.

CAP FRAMEWORK COMPONENTS

Climate Hazards

When preparing for the potential effects of climate change, Gateway Cities will need to access climate hazard information. Projected climate data, such as future temperature and extreme heat events, can be used to assess the vulnerability of populations, infrastructure, ecosystems, the economy, and buildings and property, among other sectors.

- **Why Address Climate Hazards?** (PDF)
- **Gateway Cities Climate Hazard Infographic** (PDF)
- **Gateway Cities Climate Hazard Summary** (PDF)
- **Web-Based Climate Hazard Mapping Tools**
  - **Story Map illustrates climate change and vulnerability in the Gateway Cities** (WEB LINK)
  - **Interactive Mapping Tool relates key city sectors to the broad geographic extent of climate hazards** (WEB LINK)
  - **Open Data Hub allows GIS data download** (WEB LINK)

Vulnerability Assessment

A vulnerability assessment is a screening level analysis to better understand the potential impacts and vulnerabilities to climate change hazards and to begin defining future adaptation responses. This analysis is a cornerstone of SB 379. For more information on vulnerability assessment, see the **CAP Framework User Guide**.

- **Regional Resilience Framework** (WEB LINK)

Adaptation Strategy Development

The Adaptation Toolkit includes adaptation goals, objectives, policies, and implementation actions organized under nine climate adaptation goals. The adaptation goals are organized by topic, and include example objectives and policies, local implementing actions and programs, potential partnerships, co-benefits, equity and disadvantaged community considerations, and monitoring programs and metrics.

- **Model General Plan Language** (PDF)
- **Regional Resilience Framework** (WEB LINK)

ADDITIONAL RESOURCES

- **Adaptation Planning Resource List** (PDF)
- **ICARP Resources (Climate Adaptation Policy and Guidance Documents)** (WEB LINK)
- **ICARP's Defining Vulnerable Communities in the Context of Climate Adaptation** (WEB LINK)
- **Additional Climate-Related Resources** (XLS)

Public Engagement Toolkit

TOOLKITS

The Public Engagement Toolkit provides best practice examples for authentic and effective community engagement to guide all Gateway Cities as they undertake climate action planning or other efforts to reduce GHG emissions. Cities can use the toolkit to tailor the process and create an approach that works best for them, taking into account their differing levels of political readiness, staff capacity and resources. The toolkit utilizes the TIERS framework (Think, Initiate, Engage, Review, Shift) that provides a step-by-step approach to public engagement.

CAP FRAMEWORK COMPONENTS

- **Public Engagement Toolkit instructional guide** (PDF)

- **Tiers Framework Templates (Think, Initiate, Engage, Review, Shift)** (DOC)

- **Public Engagement Best Practices in the Gateway Cities (climate change)** (PDF)

ADDITIONAL RESOURCES

- **ILG Compendium of additional public engagement resources** (PDF)

GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Model Climate Action Plan

GUIDANCE

The CAP Framework provides sample chapters of a Climate Action Plan that demonstrate how the Gateway Cities can use the CAP Framework components (document templates, tools, and associated guidance) to develop a coherent, well-organized plan to reduce greenhouse gas (GHG) emissions based on local conditions and planning priorities.

For details on developing a CAP and setting GHG reduction targets, see the CAP Framework User Guide. Under Additional Resources, a link is provided to exemplary CAPs recently developed by California cities that resemble the range of Gateway Cities in terms of demographics, land uses, and socioeconomic conditions.

CAP FRAMEWORK COMPONENTS

- **Model Climate Action Plan** (DOC)
- **Gateway Cities CAP Framework User Guide** (PDF)

ADDITIONAL RESOURCES

- **Example Climate Action Plans** (PDF)

CEQA and Target Setting

GUIDANCE

This component of the CAP Framework explains the provisions of the California Environmental Quality Act (CEQA) related to GHG emissions and provides guidance on how to incorporate CEQA considerations into the CAP development process. This guidance will help local governments identify defensible and achievable GHG reduction targets that are informed by statewide GHG reduction goals as represented by AB 32 (1990 levels by 2020), SB 32 (40 percent below 1990 levels by 2020), and the Governor's Executive Order (EO) S-03-05 (80 percent below 1990 levels by 2050). Setting targets consistent with these goals is a key requirement of using a CAP for CEQA streamlining of future development projects. This process can be nuanced because the baseline inventories for the cities (2010) are different from the statewide baseline year (1990) and there are multiple target structures that are consistent with state goals (e.g. percent below baseline, percent below current, percent below BAU, and per-capita / per-service population metrics); the guidance address these issues and help local governments select appropriate targets.

Community GHG targets are set using the "Targets" tab of the Reduction Measure Quantification Tool. The Target Setting Tool helps cities identify defensible and achievable GHG reduction targets that are informed by statewide GHG reduction goals as represented by AB 32 (1990 GHG levels by 2020), SB 32 (40 percent below 1990 levels by 2020), Governor's Executive Order (EO) S-03-05 (80 percent below 1990 levels by 2050).

CAP FRAMEWORK COMPONENTS

- **CEQA and Target Setting Guidance** (DOC)

- **GHG Reduction Measure Quantification Tool** (XLS)

ADDITIONAL RESOURCES

- **Beyond Newhall and 2020: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets in California** (California AEP white paper, October 2016) (WEB LINK)

- **Quick Start Guide for Setting A Greenhouse Gas Reduction Target** (SEEC, 2010) (WEB LINK)

GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Implementation Funding and Financing

GUIDANCE

The Funding and Financing Guide describes the available resources that support climate action planning and implementation, including but not limited to the various grant programs that fall under the umbrella of California Climate Investments (the state program that administers Cap and Trade revenues), and financing programs like HERO that provide property-assessed clean energy (PACE) financing for solar energy, energy efficiency and water conservation improvements to residential and commercial properties. Information is provided on funding and financing that is specifically earmarked or geared toward benefitting disadvantaged communities.

CAP FRAMEWORK COMPONENTS

- **Implementation Funding and Financing Guide** (XLS)

ADDITIONAL RESOURCES

- **CoolCalifornia's Funding Wizard for sustainability projects** (WEB LINK)

- **UPLIFT's Resource Finder for funding sustainability projects** (WEB LINK)

- **ILG's Summary of Funding Programs for Local Governments** (WEB LINK)