

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF MIAMI BEACH, FLORIDA, AUTHORIZING THE MAYOR, ON BEHALF OF THE CITY, TO SIGN A LETTER OF INTENT TO JOIN THE COMPACT OF MAYORS AND PLEDGE TO REDUCE GREENHOUSE GAS EMISSIONS, TRACK PROGRESS TOWARDS GREENHOUSE GAS REDUCTION GOALS, AND ENHANCE THE CITY'S RESILIENCY TO CLIMATE CHANGE, IN A MANNER THAT IS CONSISTENT WITH AND COMPLEMENTARY TO CLIMATE PROTECTION EFFORTS AT THE NATIONAL LEVEL.**

**WHEREAS**, the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change ("COP 21") will take place in December 2015 in Paris; and

**WHEREAS**, cities and urban areas are in a unique position to combat climate change, because cities and urban areas are responsible for producing 70% of climate-changing greenhouse gas ("GHG") emissions worldwide; and

**WHEREAS**, by taking positive steps to reduce GHG emissions and otherwise mitigate the effects of climate change, cities can improve their quality of life, enhance their economic prosperity, and protect the livability of our cities; and

**WHEREAS**, any and all efforts possible must be made to prevent a two-degree-Celsius increase in average global temperature, and cities must play a major role in reaching this goal; and

**WHEREAS**, acknowledging the major role of cities and local governments in the mobilization to address climate change, the United Nations General Secretary recognized the Compact of Mayors in September 2014 in New York; and

**WHEREAS**, the Compact of Mayors is the world's largest cooperative effort among mayors and city leaders to reduce GHG emissions, track progress, and prepare for the impacts of climate change; and

**WHEREAS**, COP 21 has expressed an interest in including the role of local governments in its final recommendations, which shall be adopted in Paris in December 2015; and

**WHEREAS**, by joining the Compact of Mayors, the City will demonstrate, at an international level, its leadership role in the global commitment to reduce greenhouse gas emissions.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND THE CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, that the Mayor and City Commission hereby authorize the Mayor, on behalf of the City, to sign a letter of intent to join the Compact of Mayors and pledge to reduce greenhouse gas emissions, track progress towards greenhouse gas reduction goals, and enhance the city's resiliency to climate change, in a manner that is consistent with and complementary to climate protection efforts at the national level.

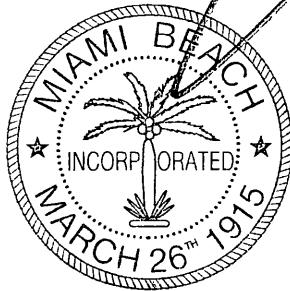
PASSED and ADOPTED this 14<sup>th</sup> day of October, 2015.

Philip Levine, Mayor

ATTEST:

Rafael E. Granado, City Clerk

 10/15/15



APPROVED AS TO  
FORM & LANGUAGE  
& FOR EXECUTION.



City Attorney

9/30/15  
Date

NK

**Condensed Title:**

A Resolution Of The Mayor And City Commission Of The City Of Miami Beach, Florida, Authorizing The Mayor, On Behalf Of The City, To Sign A Letter Of Intent To Join The Compact Of Mayors.

**Key Intended Outcome Supported:**

Reduce city-level greenhouse gas emissions, track progress, and enhance resilience to climate change, in a consistent and complimentary manner to national level climate protection efforts.

**Supporting Data:** N/A

**Item Summary/Recommendation:**

The Compact of Mayors is a global cooperative effort among mayors and city officials committed to reducing local greenhouse gas emissions, enhancing resilience to climate change, and tracking progress transparently.

In order to participate in the Compact of Mayors, municipalities are required to provide a letter of intent that references a commitment to reducing local GHG emissions; measuring community emissions inventory using a consistent and robust standard; identifying climate-related hazards; setting data-based targets for the future; and developing a climate action plan.

The Compact of Mayors establishes a common platform to capture the impact of cities' collective actions through standardized measurement of emissions and climate risk, and consistent, public reporting of their efforts. The Compact will make this data centrally and publicly available through the carbon Climate Registry to highlight commitments and allow for easy searchability.

The Administration recommends adopting the resolution endorsing the Compact of Mayors pledge.

**Advisory Board Recommendation:****Financial Information:**

| Source of Funds: |       | Amount | Account |
|------------------|-------|--------|---------|
|                  | 1     |        |         |
| OBPI             | Total |        |         |

**Financial Impact Summary:** N/A

**City Clerk's Office Legislative Tracking:**

Elizabeth Wheaton x6121

**Sign-Offs:**

| Assistant City Manager | City Manager   |
|------------------------|--|
|                        |  |



MIAMIBEACH

AGENDA ITEM C7C  
DATE 10-14-15



# MIAMI BEACH

**City of Miami Beach**, 1700 Convention Center Drive, Miami Beach, Florida 33139, [www.miamibeachfl.gov](http://www.miamibeachfl.gov)

## COMMISSION MEMORANDUM

TO: Mayor Philip Levine and Members of the City Commission

FROM: Jimmy L. Morales, City Manager

DATE: October 14, 2015

SUBJECT: **A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF MIAMI BEACH, FLORIDA, AUTHORIZING THE MAYOR, ON BEHALF OF THE CITY, TO SIGN A LETTER OF INTENT TO JOIN THE COMPACT OF MAYORS AND PLEDGE TO REDUCE GREENHOUSE GAS EMISSIONS, TRACK PROGRESS TOWARDS GREENHOUSE GAS REDUCTION GOALS, AND ENHANCE THE CITY'S RESILIENCY TO CLIMATE CHANGE, IN A MANNER THAT IS CONSISTENT WITH AND COMPLEMENTARY TO CLIMATE PROTECTION EFFORTS AT THE NATIONAL LEVEL.**

### **BACKGROUND**

At the United Nations Climate Summit on September 23, 2014, Mayors from cities around the world formally signed into action a Compact of Mayors "to undertake a transparent and supportive approach to reduce city-level emissions, to reduce vulnerability and to enhance resilience to climate change, in a consistent and complimentary manner to national level climate protection efforts." The Compact of Mayors is structured to build "on the ongoing efforts of Mayors that increasingly set ambitious, voluntary city climate commitments or targets for greenhouse gas (GHG) emissions reduction and to address climate risk; report on progress towards achieving those targets by meeting robust, rigorous and consistent reporting standards (as established through City Networks); and make that information publically available by reporting through a recognized city platform."

On June 2015, the Compact of Mayors sent a letter to President Obama, calling on him "to act in the best interests of the American people and fight for the strongest possible climate agreement at the upcoming 21st Conference of the Parties to the United Nations Framework Convention on Climate Change (COP21) in Paris, and for federal action to establish binding national greenhouse gas emissions reductions." In response, President Obama has challenged all U.S. Mayors to publicly commit to a climate action plan ahead of the COP21 climate negotiations in Paris, and set a goal of having at least 100 U.S. cities sign onto the Compact of Mayors by then. The White House also released a list of initiatives to increase energy efficiency measures in cities across the United States and specifically called out the Compact of Mayors as a key vehicle through which to achieve President Obama's goals.

This summer Mayor Philip Levine was invited to join the Compact of Mayors and asked to commit to advancing the City of Miami Beach along the stages of the Compact, with the goal of becoming fully compliant with all the requirements within three years.

## **ANALYSIS**

The Compact of Mayors is a global cooperative effort among mayors and city officials committed to reducing local greenhouse gas emissions, enhancing resilience to climate change, and tracking progress transparently.

In order to participate in the Compact of Mayors, municipalities are required to provide a letter of intent that references a commitment to:

- Reducing local GHG emissions;
- Measuring community emissions inventory using a consistent and robust standard;
- Identifying climate-related hazards;
- Setting data-based targets for the future;
- Developing a climate action plan.

The Compact of Mayors establishes a common platform to capture the impact of cities' collective actions through standardized measurement of emissions and climate risk, and consistent, public reporting of their efforts. The Compact will make this data centrally and publicly available through the carbon Climate Registry to highlight commitments and allow for easy searchability. Through the Compact, cities are:

- Increasing their visibility as leaders responding to climate change;
- Demonstrating their commitment to an ambitious global climate solution, particularly as nations convene around a new climate agreement in Paris in December 2015;
- Encouraging direct public and private sector investments in cities by meeting transparent standards that are similar to those followed by national governments;
- Building a consistent and robust body of data on the impact of city action; and
- Accelerating more ambitious, collaborative, and sustainable local climate action.

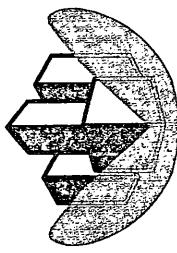
## **CONCLUSION**

The Administration recommends adopting the resolution endorsing the Compact of Mayors pledge. This resolution will reduce city-level greenhouse gas emissions, track progress, and enhance resilience to climate change, in a consistent and complimentary manner to national level climate protection efforts.

Attachment: Compact of Mayors' Guide

SMT/ESW/MKW/FCT

# COMPACT of MAYORS



C4O  
CITIES

I.C.L.E.I  
Local  
Governments  
for Sustainability

UCLG  
United Cities  
and Local Governments

MICHAEL R.  
BLOOMBERG  
UN Secretary-General's Special Envoy  
for Cities and Climate Change

UN-HABITAT  
FOR A BETTER URBAN FUTURE



## SITUATION ANALYSIS

**Cities around the world are already acting**—many in very significant ways—to reduce emissions and adapt to climate change, but their progress too often goes unrecognized and is not measured or reported consistently. Sharing the impact of these current efforts and catalyzing new action is imperative, in part because a new climate change agreement will soon be negotiated in Paris.

In Paris in December 2015, the United Nations will hold its 21st annual Conference of the Parties (COP 21), with the aim of achieving a universal agreement on climate among nation states.

**Real momentum can occur only when nations and cities collaborate.**

**Cities have an enormous opportunity** to make even more of an impact. The potential impact of cities taking climate action in three sectors alone—buildings, transportation and waste—would make an impact greater than the total emissions of the United States and the 28 member states of the European Union combined.



## WHAT IS THE COMPACT OF MAYORS?

The Compact of Mayors is a global coalition of mayors and city officials committing to reduce local greenhouse gas emissions, enhance resilience to climate change and track their progress publicly. It is an agreement by city networks – and then by their members – to fight climate change in a consistent and complimentary manner to national efforts.

- The Compact collects the significant climate action data that cities are already reporting in a consistent, transparent manner and makes that data available in a single place.
- The Compact builds on existing cooperative efforts, partnering with other initiatives to better measure and communicate the impact of city action.
- The Compact represents the greatest opportunity to bring attention to, and quantify, city action, both in the lead-up to Paris and beyond.

# THE HISTORY OF THE COMPACT OF MAYORS

The Compact of Mayors was launched at the 2014 United Nations Climate Summit. It was formed by:

- UN Secretary-General Ban Ki-moon
- Michael R. Bloomberg, U.N. Secretary-General's Special Envoy for Cities and Climate Change
- ICLEI-Local Governments for Sustainability (ICLEI)
- C40 Cities Climate Leadership Group (C40)
- United Cities and Local Governments (UCLG)
- United Nations Human Settlements Programme (UN-Habitat)

The Compact of Mayors was formally signed into action in September 2014 with a statement that read in part:

"The Compact of Mayors is an agreement by city networks—and then by their members—to undertake a transparent and supportive approach to reduce city-level emissions, to reduce vulnerability and to enhance resilience to climate change, in a consistent and complimentary manner to national level climate protection efforts. The Compact of Mayors builds on the ongoing efforts of Mayors that increasingly set ambitious, voluntary city climate commitments or targets for greenhouse gas (GHG) emissions reduction and to address climate risk; report on progress towards achieving those targets by meeting robust, rigorous and consistent reporting standards (as established through City Networks); and make that information publically available by reporting through a recognized city platform."

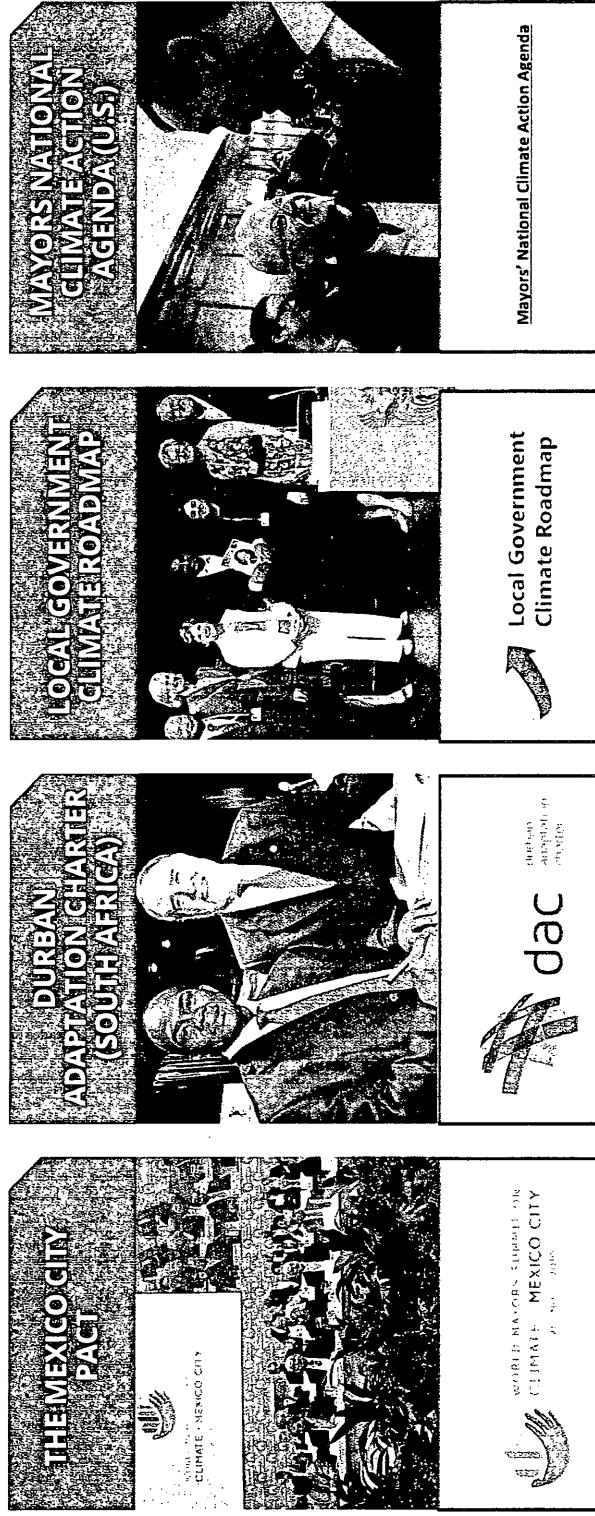
# WHY COMMIT TO THE COMPACT OF MAYORS?

## Compact of Mayors benefits:

- New and widespread recognition of innovative and impactful city action already underway for years
- Platform to demonstrate commitment to be part of the global solution
- Consistent, standardized and reliable assessment of city impact and progress toward meeting commitments
- Evidence of the greenhouse gas impact of city action
- Increased investor confidence and capital flows into cities
- Mechanism for national governments to recognize and resource local commitments

# EXISTING CLIMATE GOALS SUPPORTED BY COMPACT OF MAYORS

The Compact of Mayors recognizes many existing initiatives to gather the impact of efforts already underway. The following are just a few of the major climate initiatives that complement and are in alignment with the Compact of Mayors' requirements:





## WHAT MAKES THE COMPACT OF MAYORS UNIQUE?

**BUILDS ON INITIATIVES FOR GREATER IMPACT AND RECOGNITION:** The Compact is the broadest coalition to unite cities, networks and other global partners with a common aim—to support more climate action in cities, and share the impact of city action with the international community.

**STANDARDIZES MEASUREMENT AND REPORTING:** For the first time, the Compact will standardize the way city climate data is reported, establishing a universal approach to data collection. The data can be aggregated to highlight the collective impact of city actions, which will increase global and investor confidence.

**MAKES DATA AVAILABLE TO THE PUBLIC:** Cities primarily report their climate data/actions through two major platforms—CDP ([www.cdp.net](http://www.cdp.net)) and carbonn Climate Registry ([carbonn.org](http://carbonn.org))—both of which are partners to the Compact. The Compact will make this data centrally and publicly available through the carbonn Climate Registry to highlight commitments and allow for easy searchability.



## MEASUREMENT

*"If you can't measure it, you can't manage it."*

—MICHAEL R. BLOOMBERG

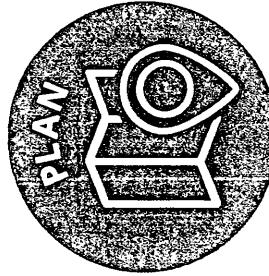
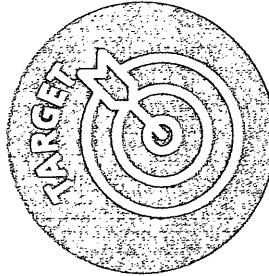
Measurement, planning and reporting are critical to achieving climate goals, and Bloomberg's guiding maxim underscores the mission of the Compact of Mayors.

With the use of consistent, transparent measurements, the Compact aims to get cities around the world on a common platform so that the impact of their collective actions on greenhouse gas emissions can be accurately captured.

# HOW TO PARTICIPATE IN THE COMPACT OF MAYORS

Any city or town in the world may commit to the Compact of Mayors—regardless of size or location. A city has up to three years to meet a series of requirements and fully comply, culminating in the creation of a full climate action and adaptation plan, and it will be recognized as each step is met. Many cities have already completed some of the activities and can be compliant in fewer than three years.

To commit to the Compact, a city must:



## REGISTER COMMITMENT.

A mayor may register on either of the Compact's standard reporting platforms—carbon Climate Registry or CDP—or email a letter of intent to info@compactofmayors.org. Following its submission, a city will be contacted by the Compact Support team.

## TAKE INVENTORY.

Within one year, a mayor must assess the current impacts of climate change in his/her city. To do so, the city must 1) Build and complete a community-wide GHG inventory with a breakdown of emissions for buildings and transport sectors, using the GPC standard; (2) Identify climate hazards; and (3) Report on both via the CDP or carbonn Climate Registry questionnaires.

## CREATE REDUCTION

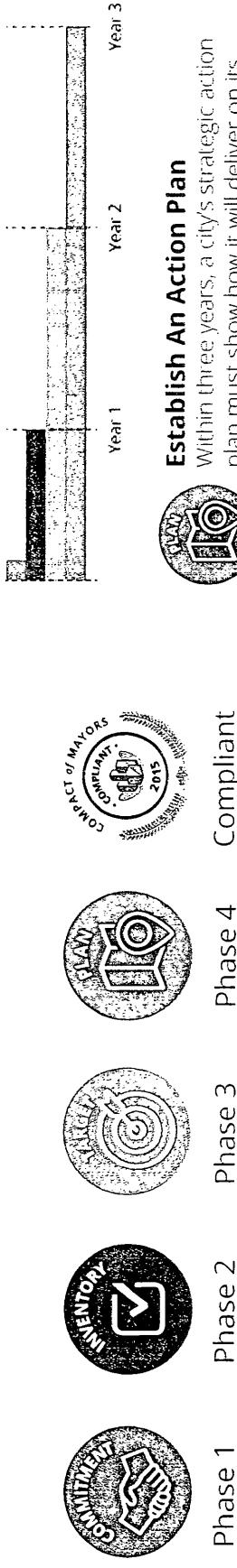
**TARGETS AND ESTABLISH A SYSTEM OF MEASUREMENT.** Within two years, the registered city must update its GHG inventory to also include a breakdown of emissions from waste sector; set a target to reduce its GHG emissions; conduct a climate change vulnerability assessment consistent with Compact guidance; and report in its chosen platform.

## ESTABLISH AN ACTION

**PLAN.** Within three years, a city's strategic action plan must show how it will deliver on its commitment to reduce greenhouse gas emissions and adapt to climate change.

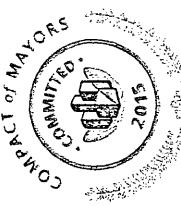
# COMMITTED AND COMPLIANT BADGES

To join the Compact, a city leader must engage in the following four phases over a 3 year period. Each phase has a 2 step process: Mitigation and Adaptation.



**Establish An Action Plan**  
Within three years, a city's strategic action plan must show how it will deliver on its commitment to reduce greenhouse gas emissions and adapt to climate change.

Upon registering its commitment to the Compact of Mayors, a city will receive an official "Committed" badge.



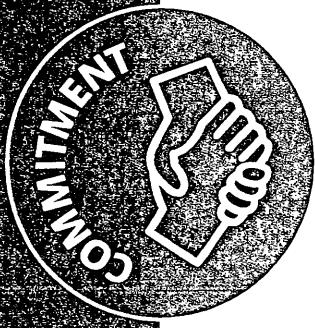
Upon completing all requirements, a city will receive a "Compliant" badge. A new "Compliant" badge will be issued each year that compliance is maintained through annual reporting.



These badges may be publicly displayed online and in print materials.

# STEP 1 — COMMITMENT

## REGISTER COMMITMENT.



### MITIGATION

- Cities commit to:

- > Reduce local GHG emissions.
- > Measure community emissions inventory using the GPC – a consistent and robust standard.
- > Set data-based targets for the future.
- > Develop climate action plans to deliver on city targets.



### ADAPTATION

- Cities commit to:

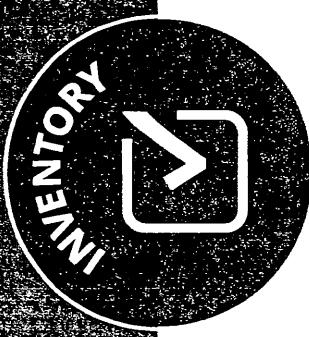
- > Address the impacts of climate change.
- > Identify climate hazards.
- > Assess vulnerabilities.
- > Develop climate adaptation plans.

A city may register at carbonn Climate Registry or CDP or email a letter of intent to join to info@compactofmayors.org (A template letter is available for download on [www.compactofmayors.org](http://www.compactofmayors.org))



## STEP 2 — INVENTORY

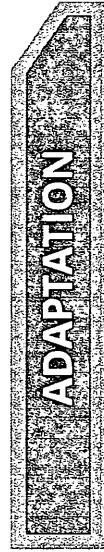
### TAKE INVENTORY.



- Build and complete a community-wide GHG inventory using the GPC Standard.

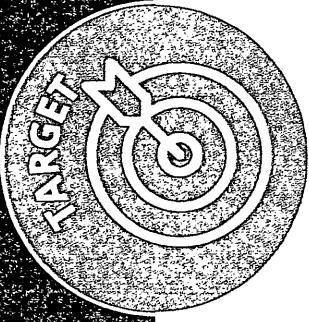
- Report via CDP or carbonn Climate Registry.

In year one, cities only need to report on emissions in two sectors: stationary energy and inboundary travel. In year two, they must report on all sectors.



- Identify climate hazards
- Report hazards via the CDP or carbonn Climate Registry questionnaires.

## STEP 3 – TARGET



### SET REDUCTION TARGETS.

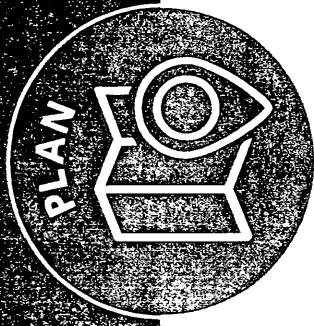
#### MITIGATION

- Update GHG inventory to also include a breakdown of emissions from waste sector.
- Set GHG reduction target.
- Report in chosen platform.

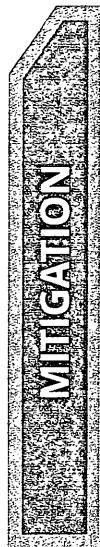
#### ADAPTATION

- Assess climate change vulnerability utilizing Compact guidance.
- Report in chosen platform.

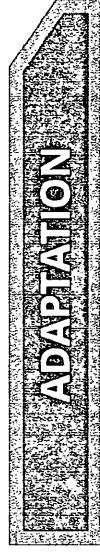
## STEP 4 — PLAN



CREATE EITHER A JOINT OR INDIVIDUAL ACTION PLAN TO ADDRESS CLIMATE MITIGATION AND ADAPTATION.



- Develop climate action plan demonstrating how city will deliver on its commitment to reduce greenhouse gas emissions.
- Report in chosen platform.



- Develop a climate change adaptation plan demonstrating how the city will adjust to actual or expected climate change impacts.
- Report in chosen platform.

**Once Step 4 has been completed, a city will have met all of the Compact of Mayors requirements and will be fully compliant. To maintain compliance, a city will report its progress on mitigation and adaptation annually.**



# HOW TO REPORT: REPORTING VIA CDP

1. Register your commitment.
2. Report your inventory and climate risk.
3. Report your target.
4. Upload your climate action plan.

**CDP** CDP Cities 2015 Information Request

DRIVING SUSTAINABLE ECONOMIES

INTRODUCTION GOVERNANCE RISKS & ADAPTATION OPPORTUNITIES COMMUNITY STRATEGY

C40 COMPACT OF MAYORS

COM Overview

M0.1 Please provide intent of compliance with the Compact of Mayors, please attach your letter.

M0.2 Please provide details of your city's current population.

Current Population Current population year  
12000000 2014

M2.0 Has a climate change risk or vulnerability assessment been undertaken for your local government area?

Yes

M2.0a Please attach your climate risk or vulnerability assessment.

Choose File No file chosen

Attach

Please complete this template and attach it to confirm your intent of compliance.

Clicking the "Copy from last year" button at the bottom of this page will copy your answer from question 015 Columns 1 and 2.



HOW TO REPORT: REPORTING VIA CARBONN CLIMATE REGISTRY

1. Register your commitment.
  2. Report your inventory and climate risk.
  3. Report your target.
  4. Upload your climate action plan.

1. Register your commitment.
2. Report your inventory and climate risk.
3. Report your target.
4. Upload your climate action plan.

**carbonn Climate Registry**  
Climate Registry

HOME ABOUT DATA SUPPORT AND TEMPLATES JOIN PARTNERSHIPS LOGIN

**carbonn Climate Registry  
2014 - 2015 Digest**

**Learn more >**

**1.40%**  
Population in millions  
of urban population

**52.4**  
Number of reporting  
cities and regions

**1.0**  
Committed GHG  
emissions standards  
by 2020

**Compacts**  
We hereby indicate our intent to comply with the  
Compact of Mayors.

Date of election to become Compact of Mayors  
compliant

Supporting document indicating intent to comply with  
the Compact of Mayors.

We hereby indicate our intent to comply with the  
Compact of States; and Regions.

**Step 1:** Go to [www.carbonn.org](http://www.carbonn.org)

**Step 2:** Login or Register

**Step 3:** Tick box - intent to comply  
with Compact of Mayors, add date  
and upload commitment letter.

Cancel Save



# HOW DOES THE COMPACT OF MAYORS SHOWCASE CITY ACTION?

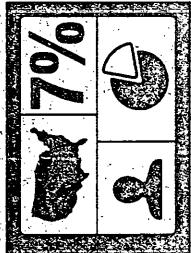


Once cities input their data into carbonn Climate Registry or CDP, data is:

- Consolidated in the Compact's central database, the carbonn Climate Registry, accessible through...

## A city profile:

Including highlights around commitment status, key actions taken and a mayoral profile.



## A searchable database:

All city Compact data will be made available publicly through a consolidated database; every city will input the same data.



- Aggregated to show the collective impact of all Compact commitments:

> A summary number of GHG impact of all city commitments, globally

> A summary number of population covered by city commitments, globally

©

More than 800 cities and regions in North America have set emissions reduction goals for 2020 and beyond.

compactofmayors.org

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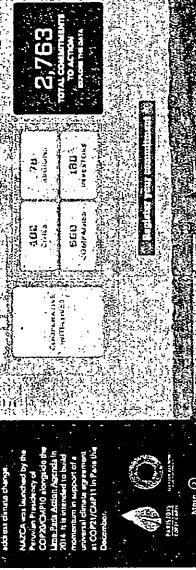
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## RESOURCES FOR CITIES

**Tools for compliance**

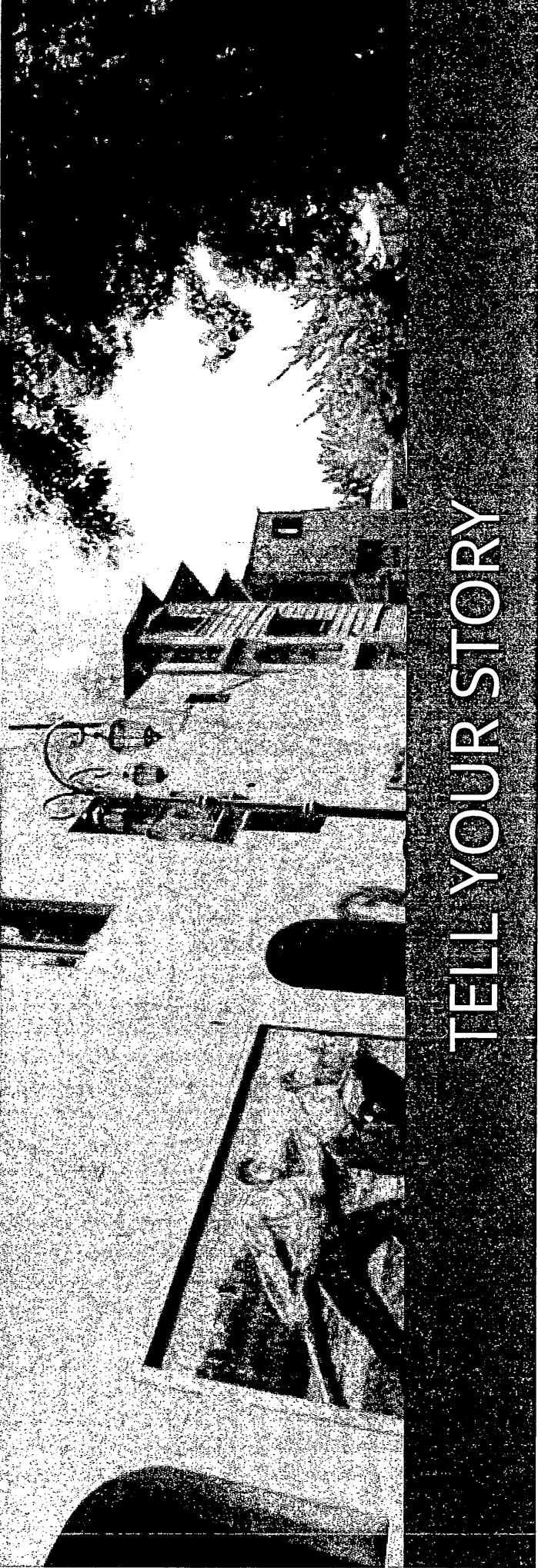
Measurement and planning tools for cities at each step of process: GHG inventory, climate action planning, risk assessment framework and more

**Technical support and training**

Materials and guidance documents covering GPC inventories, climate action planning, risk assessment, etc.

**Direct support**

[info@compactofmayors.org](mailto:info@compactofmayors.org)

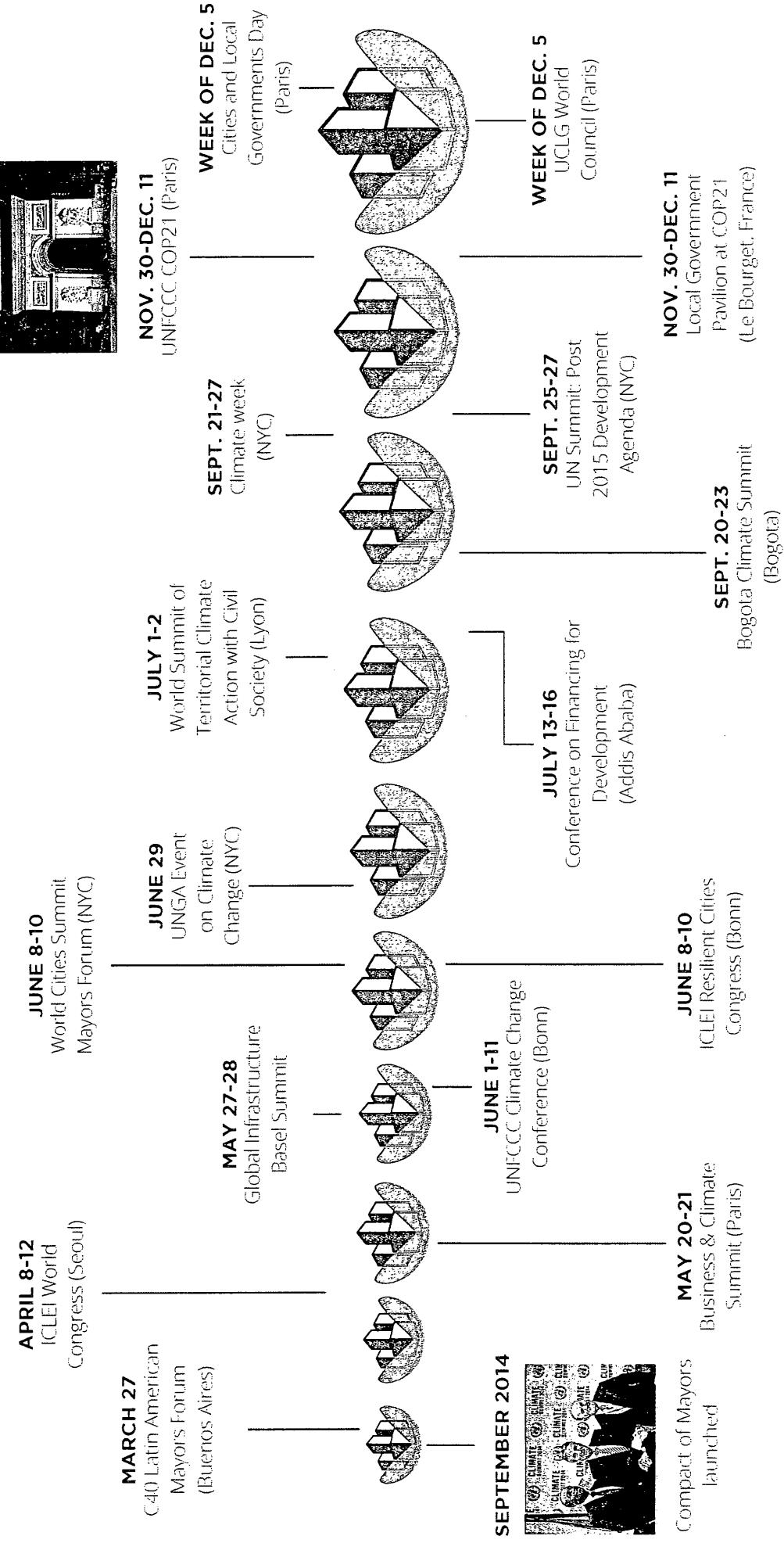


## TELL YOUR STORY

Once a city commits to the Compact of Mayors, we will work with you to tell your story, including:

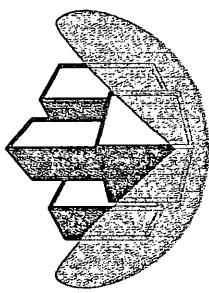
- A press release announcing participation
  - Media relations
    - > Statements
    - > Commentary
    - > Media interviews
    - > Op-eds
- A letter to share with mayors in your network
  - Social media templates
- A city profile on the Compact of Mayors website: [www.compactofmayors.org](http://www.compactofmayors.org)

# THE ROAD TO COP 21





# COMPACT *of MAYORS*



[www.compactofmayors.org](http://www.compactofmayors.org)

[info@compactofmayors.org](mailto:info@compactofmayors.org)