

PARIS 2015

UN CLIMATE CHANGE CONFERENCE

COP21·CMP11



# Terminology

- ▶ *UNFCCC* - United Nations Framework Conference on Climate Change
- ▶ *COP21* - Congress of the Parties 21
- ▶ *Blue Zone* – The Conference Center, requiring party, observer or media credentials
- ▶ *Green Zone* – Cities and Regions Pavilion, public access for debates, conferences, cultural exhibitions, film screenings, as well as stands presenting civil society solutions to climate change



# History of the COPS

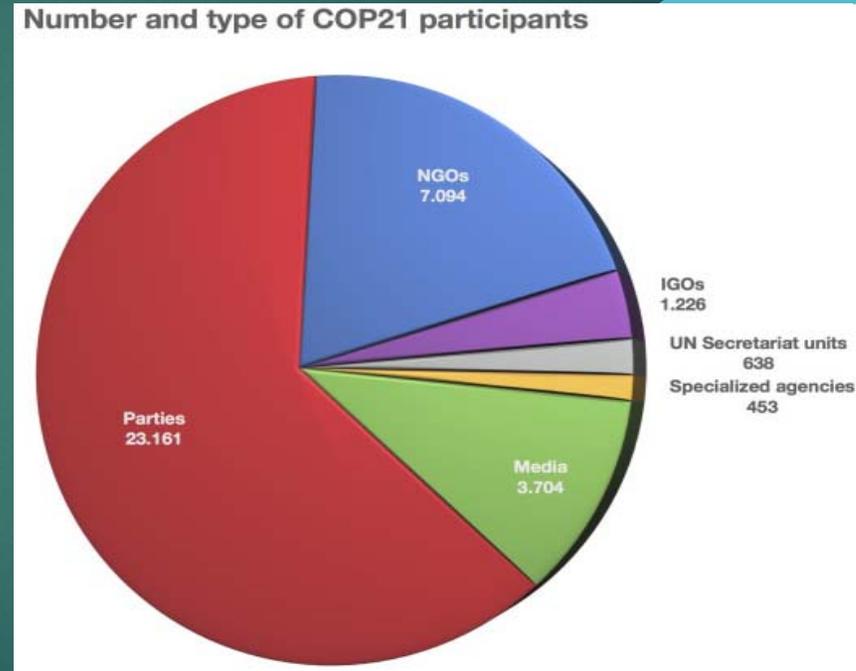
- 1 1995: COP 1, The Berlin Mandate
- 2 1996: COP 2, Geneva, Switzerland
- 3 1997: COP 3, The Kyoto Protocol on Climate Change
- 4 1998: COP 4, Buenos Aires, Argentina
- 5 1999: COP 5, Bonn, Germany
- 6 2000: COP 6, The Hague, Netherlands
- 7 2001: COP 6, Bonn, Germany
- 8 2001: COP 7, Marrakech, Morocco
- 9 2002: COP 8, New Delhi, India
- 10 2003: COP 9, Milan, Italy
- 25 2018: COP 24/CMP 14
- 26 2019: COP 25/CMP 15

- 11 2004: COP 10, Buenos Aires, Argentina
- 12 2005: COP 11/CMP 1, Montreal, Canada
- 13 2006: COP 12/CMP 2, Nairobi, Kenya
- 14 2007: COP 13/CMP 3, Bali, Indonesia
- 15 2008: COP 14/CMP 4, Poznan, Poland
- 16 2009: COP 15/CMP 5, Copenhagen, Denmark
- 17 2010: COP 16/CMP 6, Cancún, Mexico
- 18 2011: COP 17/CMP 7, Durban, South Africa
- 19 2012: COP 18/CMP 8, Doha, Qatar
- 20 2013: COP 19/CMP 9, Warsaw, Poland
- 21 2014: COP 20/CMP 10, Lima, Peru
- 22 2015: COP 21/CMP 11, Paris, France
- 23 2016: COP 22/CMP 12, Marrakech, Morocco

# Paris COP21 - Who Was There?

## Approximately 40,000 Registered Attendees

- ▶ 196 countries ("parties")
- ▶ 2 "observer status" (Holy See and Palestine)
- ▶ 15,000 delegates representing states, or "parties"
- ▶ 8,000 "party overflow"
- ▶ 7,000 NGOs
- ▶ 3,704 media
- ▶ 2,317 UN and intergovernmental agencies



# Our Group

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- ▶ Tom and Shirley Butt – City of Richmond and MCE
- ▶ Tom and Jane Kelly – Kyoto USA and Sequoia Foundation
- ▶ Shawn Marshall – LEAN Energy US
- ▶ Dawn Weisz - MCE
- ▶ Jamie Tuckey - MCE



# November 13, Terror in Paris



UNIVERSITY OF  
February  
18, 2016

# November 13, Terror in Paris



Place de la République



# Paris Le Bourget Site

## What, Where ?



### Paris-Le Bourget Site

Climate Generations Area  
Green Zone

Entrance/Exit

HALL B



Cities & Regions  
Pavilion - TAP2015  
18 NOV - 19 DEC - COP21 PARIS



UNFCCC Negotiations Area  
Blue Zone

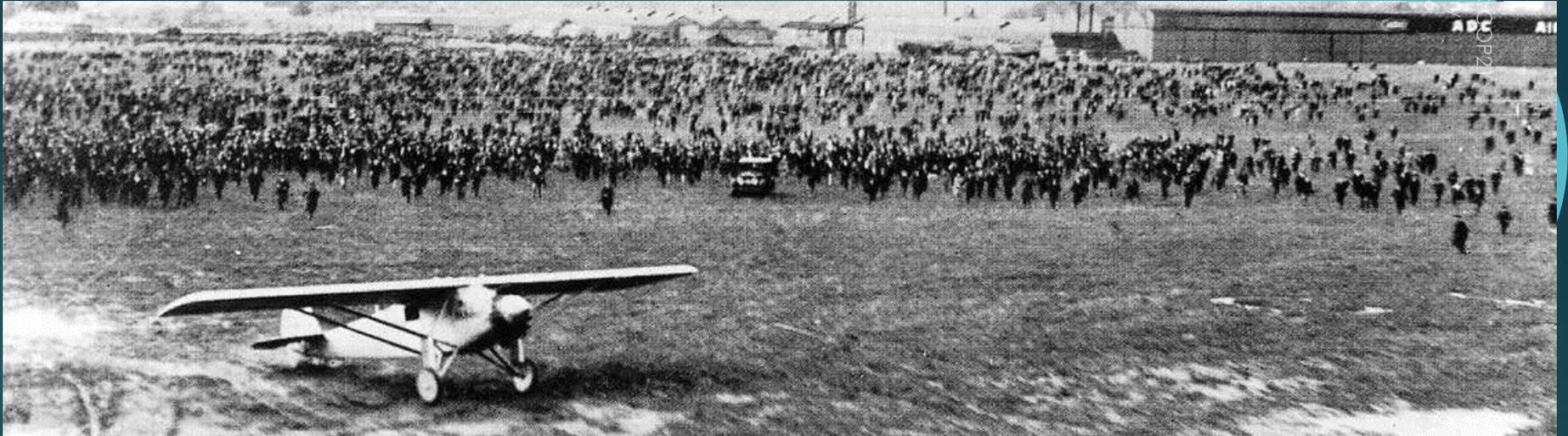
(Access by UNFCCC Accreditation Badges only)



# Le Bourget

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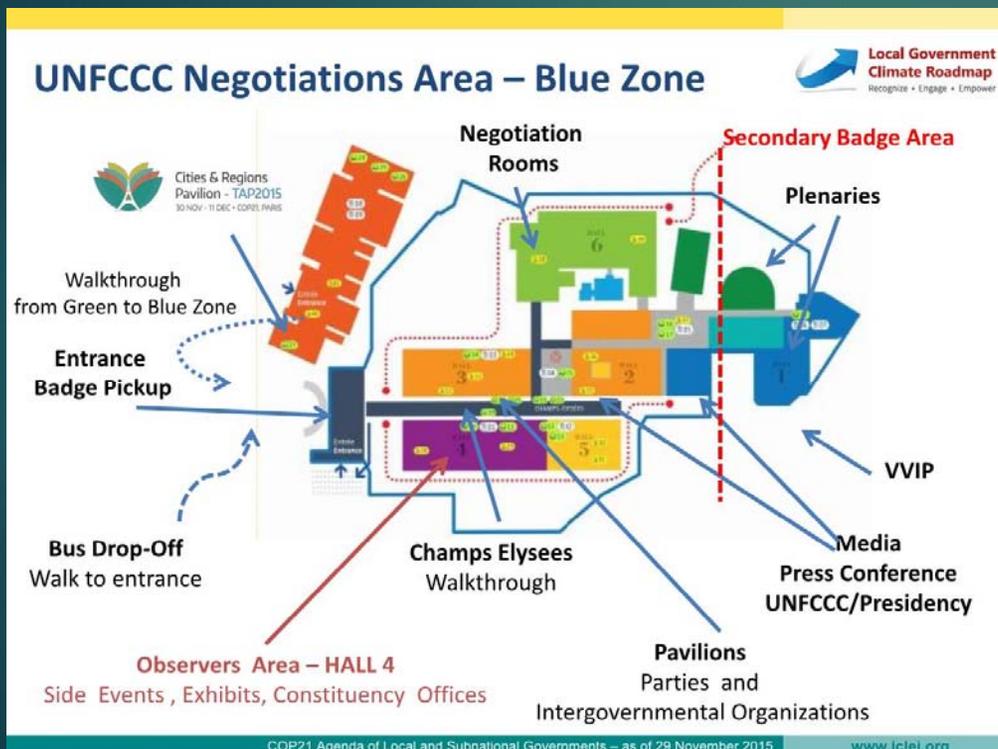
May 21, 1927, American pilot Charles A. Lindbergh lands at Le Bourget Field in Paris, successfully completing the first solo, nonstop transatlantic flight and the first ever nonstop flight between New York to Paris. His single-engine monoplane, *The Spirit of St. Louis*, had lifted off from Roosevelt Field in New York 33 1/2 hours before.

# Paris Le Bourget Site

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“Champs Elysees” in the Blue Zone



# Green Zone and Blue Zone



Entrance to the Green Zone



Entrance to the Blue Zone

# Credentials

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# The Blue Zone – Observers Area

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# Blue Zone - Negotiations Area

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# The Green Zone

## Cities and Regions Pavilion

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# The Green Zone

## Cities and Regions Pavilion

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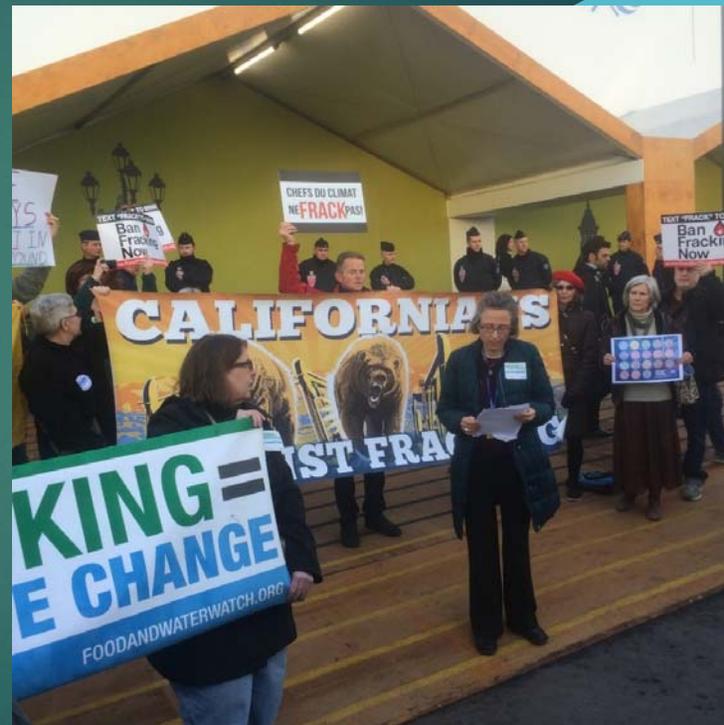
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# Demonstrations

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# Our Booth

## Community Choice Energy – Power to the People



# Our Booth

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# Community Choice Energy – Power to the People

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# AT COP21, the Big Story Was About Cities

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At COP21 in Paris, the big story was about cities. Cities are leading on climate change, and use local climate action plans to prioritize strategies to reduce their emissions – including through land use and transportation planning.



# How Cities Like Richmond Fit into COP21

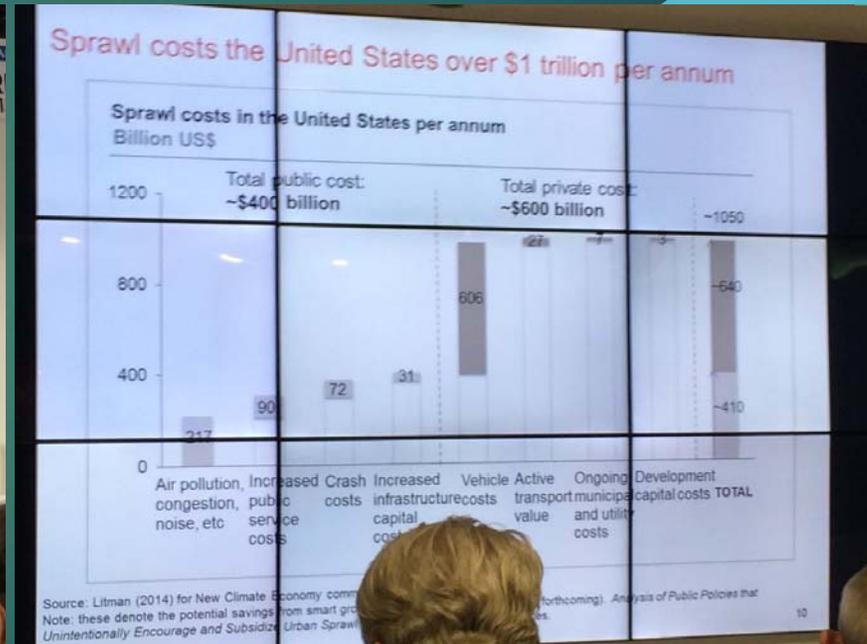
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Cities generate 80% of the world's GDP, they produce 70% of the world's greenhouse gas emissions, and house more than 50% of the world's population. The Paris agreement's ultimate success will depend on local cities.



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# The Cost of Sprawl and Traffic

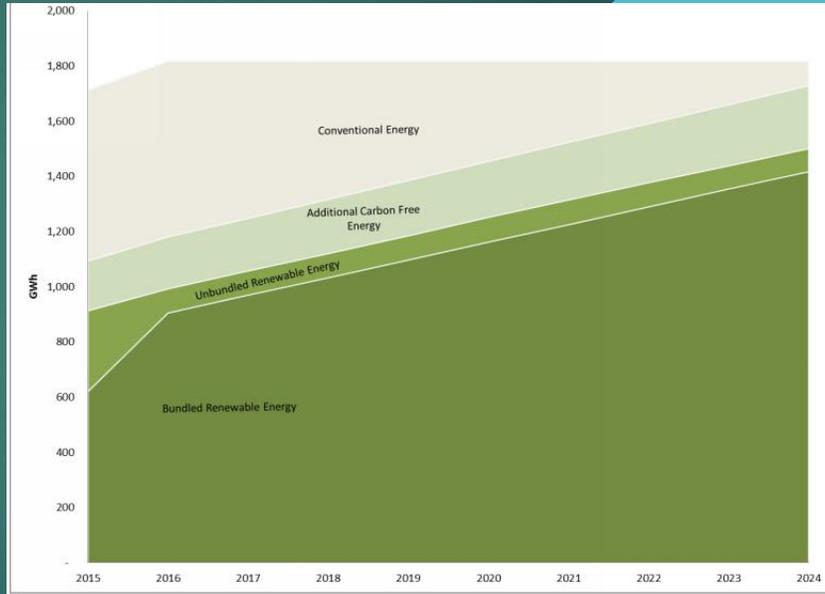
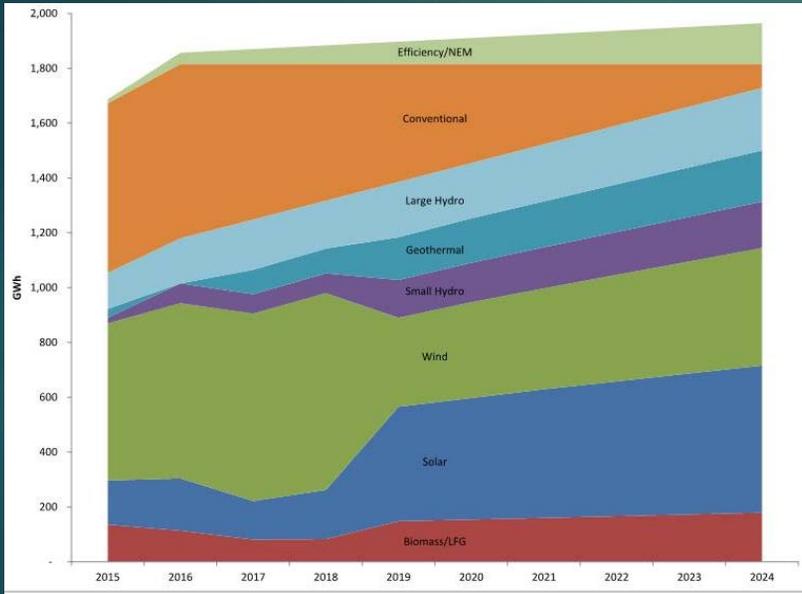


# What is MCE Doing?

## 80% Renewable by 2025

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# What is MCE Doing?

## Today's Energy Choices



- ▶ By 2015, 80% renewable, 95% carbon free
- ▶ Renewable content as reported to the California Energy Commission Power Source Disclosure Program in June 2015 ([www.energy.ca.gov/sb1305/labels](http://www.energy.ca.gov/sb1305/labels))

# What is MCE Doing?

## New Renewable Energy Projects

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- ▶ 18 new California projects
- ▶ \$516 committed
- ▶ Powering ½ of served homes

# What is MCE Doing? Energy Efficiency Programs

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- ▶ \$415,000 in cash rebates distributed to 4,100 energy efficiency program participants
- ▶ Equivalent to 2,952 bbls of oil saved per year
- ▶ 7.7 million gallons of water saved annually

# What is MCE Doing?

## Saving GHG Emissions

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- ▶ 63,482 metric tonnes of GHG eliminated 2010-2013
- ▶ Equivalent to taking 13,365 cars off the road each year

# What Are We Doing In Richmond?

## Compact of Mayors

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- ▶ Launched at the [2014 United Nations Climate Summit](#), the Compact of Mayors is the world's largest coalition of city leaders addressing climate change by pledging to reduce their greenhouse gas emissions, tracking their progress and preparing for the impacts of climate change.
- ▶ 447 cities, representing 390,761,581 people worldwide and 5.39% of the total global population, have committed to the Compact of Mayors.



# What Are We Doing In Richmond?

## Urban Environmental Accords

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On September 16, 2008, the City of Richmond became a signatory to the [Urban Environmental Accords](#), a global movement of over 100 cities to pursue actions toward becoming more "ecologically sustainable, economically dynamic, and socially equitable." The City of Richmond is committed to implementing environmentally sound business practices and providing community leadership in environmental sustainability.



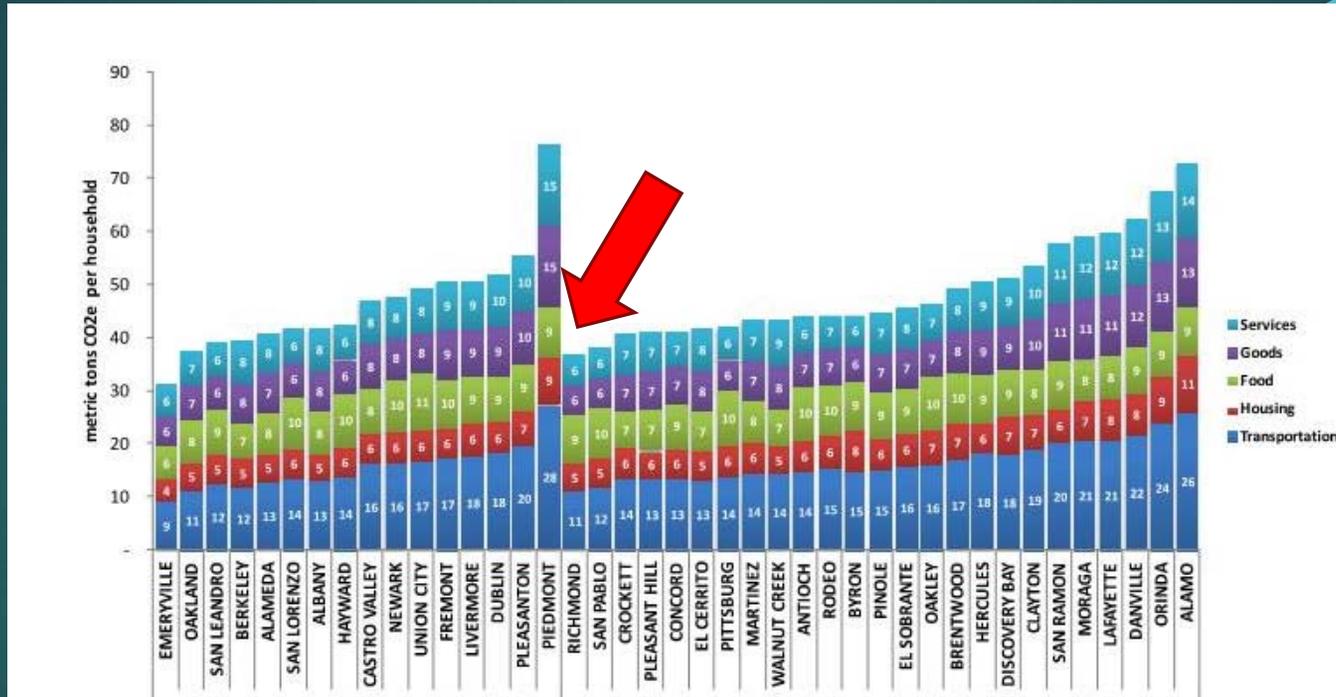
**Urban  
Environmental  
Accords**

**2015 UEA SUMMIT**  
**ILOILO CITY, PHILIPPINES**  
**SEP. 15-17, 2015**

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# What Are We Doing In Richmond?

## Second Lowest Household Carbon Footprint in Bay Area



*A Consumption-Based Greenhouse Gas Inventory of San Francisco Bay Neighborhoods, Cities and Counties, Energy and Resources Group, UC Berkeley, December 15, 2015*

# What Are We Doing In Richmond?

## LEED Gold Richmond Civic Center

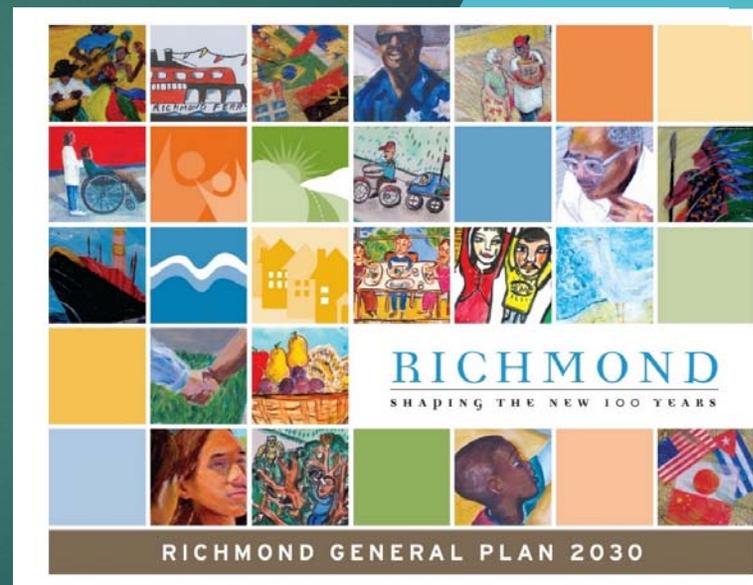
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Civic Center is LEED gold certified. Many environmentally preferable purchasing decisions went into the construction and planned maintenance of this complex. To learn more about these green practices, visit the [Green Civic Center](#) website.



# What Are We Doing In Richmond? Environmentally Preferable Purchasing Policy and Green Business

- ▶ Environmentally Preferable Purchasing Policy
- ▶ Certified as a "Green Business" under Contra Costa County's [Green Business Program](#) in October 2009.
- ▶ [Energy and Climate Change Element](#) of General Plan 2030



# What Are We Doing In Richmond?

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## ICLEI

ICLEI - We build and serve the movement of local governments pursuing deep reductions in carbon pollution and tangible improvements in sustainability and resilience. For over 25 years, we have achieved results that have helped communities reduce emissions and become healthier, stronger, and more prepared.



# Compact of Mayors

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Commitments to the Compact of Mayors are set to deliver half of the global urban potential greenhouse gas (GHG) emissions reductions available by 2020 but there is much more work to be done to fill the gap left by national pledges.



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# Paris - Climate Summit for Local Leaders

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## CLIMATE SUMMIT FOR LOCAL LEADERS

DECEMBER 4, 2015 October 27, 2015

**Co-Hosts**

**Anne Hidalgo**  
Mayor of Paris, President of AIMP & Co-President of UCLG

**Michael R. Bloomberg**  
U.N. Secretary-General's Special Envoy for Cities and Climate Change

**Co-Chairs**

**Eduardo Paes**  
Mayor of Rio de Janeiro, Chair of C40

**Park Won-soon**  
Mayor of Seoul, President of ICLEI

**Khalifa Saleh**  
Mayor of Dakar, General Secretary of AIMP and President of UCLGA

**Kadir Toprak**  
Mayor of Istanbul, President of UCLG

**Mr. Tom Butt**  
Mayor, City of Richmond

Dear Mayor Butt:

It is with great pleasure that we invite you to join us on Friday, December 4, 2015 in Paris, France to be part of the *Climate Summit for Local Leaders* at Paris City Hall.

In less than 50 days COP21 will take place in Paris, where after more than 20 years of UN negotiations, a new global climate agreement may be achieved with the aim of keeping global warming below 2° Celsius. The action of local leaders is a critical component to reach this collective goal. The *Climate Summit for Local Leaders* will ensure that the efforts and solutions delivered by global cities and local governments are making a difference for the outcome of COP21. For the first time in COP history in partnership with international networks of cities, regions, and local governments, we will create a united and long lasting momentum for action.

By bringing together global leaders from cities and regions, the *Climate Summit for Local Leaders* will empower governments and communities to set greater and more ambitious targets for cutting carbon emissions, to strengthen adaptation plans, and report consistently on their progress. Your active participation during the Summit will be critical to the outcomes, which will feed into the UNFCCC Action Day on December 5, 2015.

Due to space and the security considerations of this event, we kindly ask that you confirm your attendance no later than October 30, 2015. To RSVP to the Summit please visit [climatesummitlocalleaders-paris.org](http://climatesummitlocalleaders-paris.org) and for any questions, please email [info@parisclimatesummit.org](mailto:info@parisclimatesummit.org).

We look forward to seeing you in December.

Sincerely,

  
Anne Hidalgo  
Mayor of Paris  
President of AIMP & Co-President of UCLG

  
Michael R. Bloomberg  
U.N. Secretary-General's Special Envoy for Cities and Climate Change



## Sommet des élus locaux pour le climat

LES VILLES POUR LE CLIMAT 4 DÉCEMBRE 2015 - PARIS



Mayor  
Maire

Tom  
BUTT

Richmond - United States  
Richmond - États-Unis

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# Paris - Climate Summit for Local Leaders

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446 mayors attended the Climate Summit for Local Leaders at the Paris City Hall on Friday (Dec. 4), hosted by Mayor of Paris Anne Hidalgo and Michael R. Bloomberg, the UN Secretary-General's Special Envoy for Cities and Climate Change.

# Paris - Climate Summit for Local Leaders

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# Paris - Climate Summit for Local Leaders

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# Paris - Climate Summit for Local Leaders

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# Paris - Climate Summit for Local Leaders

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The aim of the meeting was to contribute to the coinciding event, the 21<sup>st</sup> United Nations Climate Change Conference, while highlighting the substantial role of cities in addressing climate change. The Summit concluded with participants delivering a declaration of commitments to the ongoing UN negotiations.

# Lunch at Climate Summit for Local Leaders

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# Paris - Climate Summit for Local Leaders

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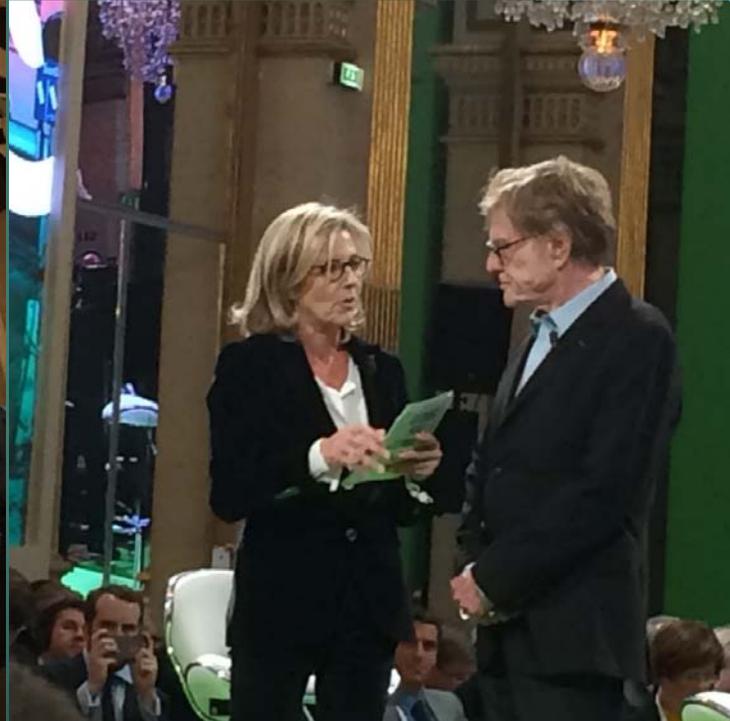
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# Paris - Climate Summit for Local Leaders

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# Paris Pledge for Action

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L'Appel de Paris (the Paris Pledge for Action) represents a unique opportunity for non-state actors to welcome the Paris Agreement on climate change and commit to implement it.

*We've joined*

**The Paris Pledge  
for Action**

**WE** MUST  
CAN  
WILL 

# State Department Briefing

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The U.S. Department of State  
*cordially invites you to a*  
Briefing for State and Local Leaders by

**Karen Florini**  
Deputy Special Envoy for Climate Change  
&  
**David Duckenfield**  
Deputy Assistant Secretary for Public Affairs

**Topic:** *UNFCCC Negotiations at the 21<sup>st</sup> Conference of the Parties (COP21) and Communications during and after COP21*

**Date:** Saturday, December 5, 2015 at 4:00 p.m.

**Location:** Residence of the U.S. Ambassador to France  
41 rue du Faubourg Saint-Honoré, Paris, France.

Please RSVP  
by Thursday, December 3, at 5:00 p.m. to [PublicOutreach@state.gov](mailto:PublicOutreach@state.gov)



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# Mayor of Paris Reception at Eiffel Tower

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Anne HIDALGO  
Maire de Paris

vous invite à un cocktail dînatoire  
invites you to a cocktail dinner

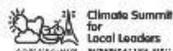
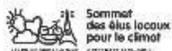
à l'occasion du Sommet des Élus locaux pour le Climat  
et du Conseil Mondial CGLU  
on the occasion of the Climate Summit for Local Leaders  
and the UCLG World Council

le samedi 5 décembre 2015 à partir de 19 heures 30 à la Tour Eiffel  
Saturday, 5 December 2015 from 7:30 pm at the Eiffel Tower

Rsvp : [conf@metras.protocol@paris.fr](mailto:conf@metras.protocol@paris.fr)

Cette invitation nécessite personnellement et une pièce d'identité valides seront demandées à l'entrée  
This strictly personal invitation and your identity card will be requested at the entrance

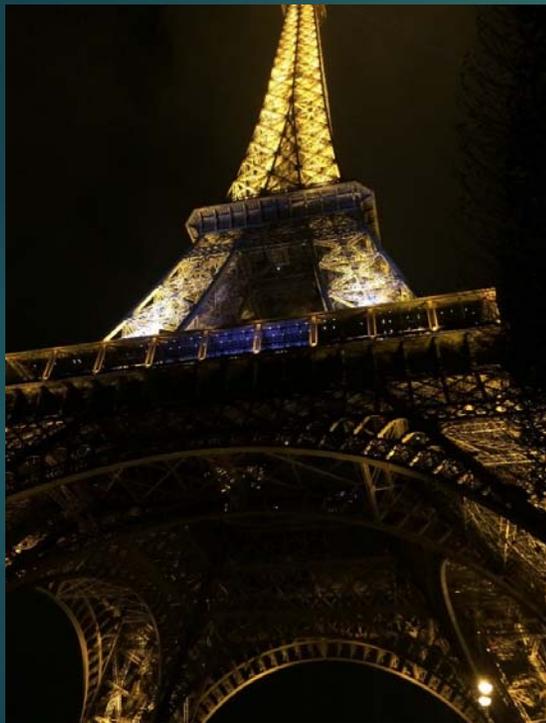
Créée : avenue Gustave Eiffel - Pilier 141 - 1<sup>er</sup> étage  
Entrance : Gustave Eiffel Avenue - Tower pillar - 1<sup>st</sup> floor



# Mayor of Paris Reception at Eiffel Tower

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# Food and Wine

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# Our Hotel Neighborhood

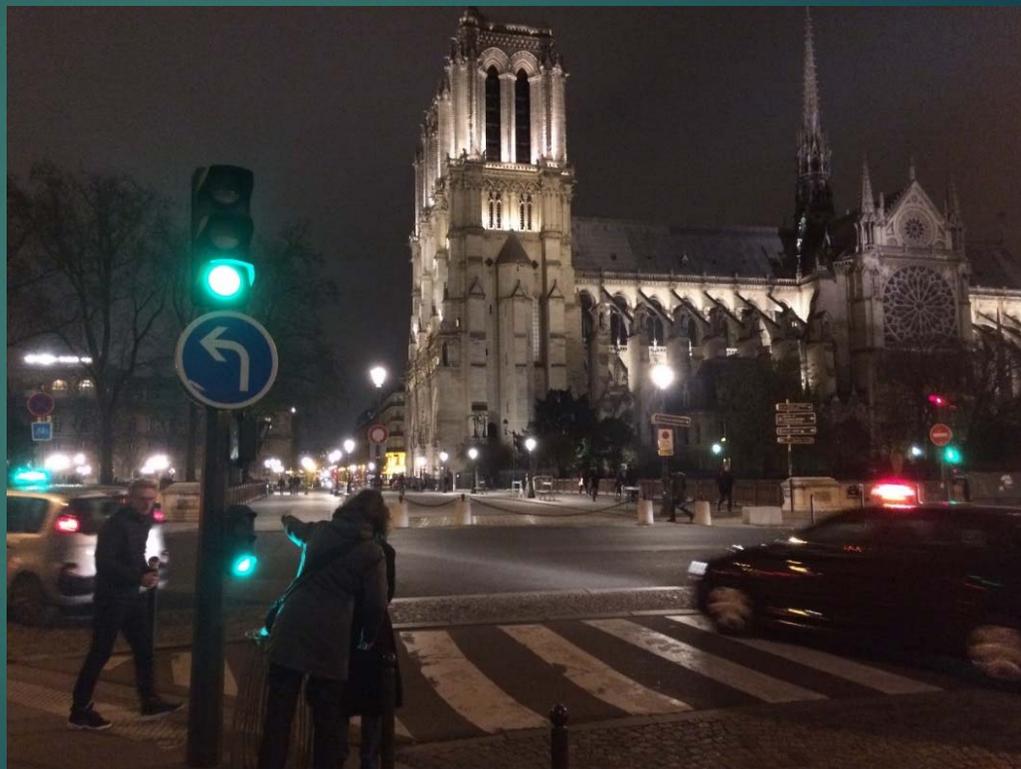
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# Work All Day – Play at Night

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# Food and Wine

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# Compact of Mayor Cities Around the World



# Paris City Hall Declaration

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- ▶ In the [Paris City Hall Declaration](#), city and region leaders commit to:
  - ▶ Advance and exceed the expected goals of the 2015 Paris Agreement
  - ▶ Produce and implement participatory resilience strategies and action plans to adapt to the rising incidence of climate related hazards by 2020
  - ▶ Deliver up to 3.7 gigatons of urban GHG emissions reductions annually by 2030 – the equivalent of up to 30% of the difference between current national commitments and the 2°C emissions reduction pathway
  - ▶ Support ambitious long-term climate goals such as a transition to 100% renewable energy, or a 80% GHG emissions reduction by 2050
  - ▶ Engage in partnerships to enhance cooperation and capacity-building programs, scale-up climate change solutions, develop metrics and promote innovative finance mechanisms and investments in low-emission projects



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# All Work and No Play....

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# Signs of the Times

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# Governor Jerry Brown was Everywhere

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# Transformative Action Program

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The **subnational level** – in particular cities and regions – is where climate change can be tackled effectively. City-level activities already account for a significant share of global greenhouse (GHG) emissions; Cities are also the place where the majority of climate actions can contribute to achieving ambitious global climate goals.

# US Conference of Mayors

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# State Department Reception

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# Champs Elysees

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# California at COP21

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# The Plenary Hall

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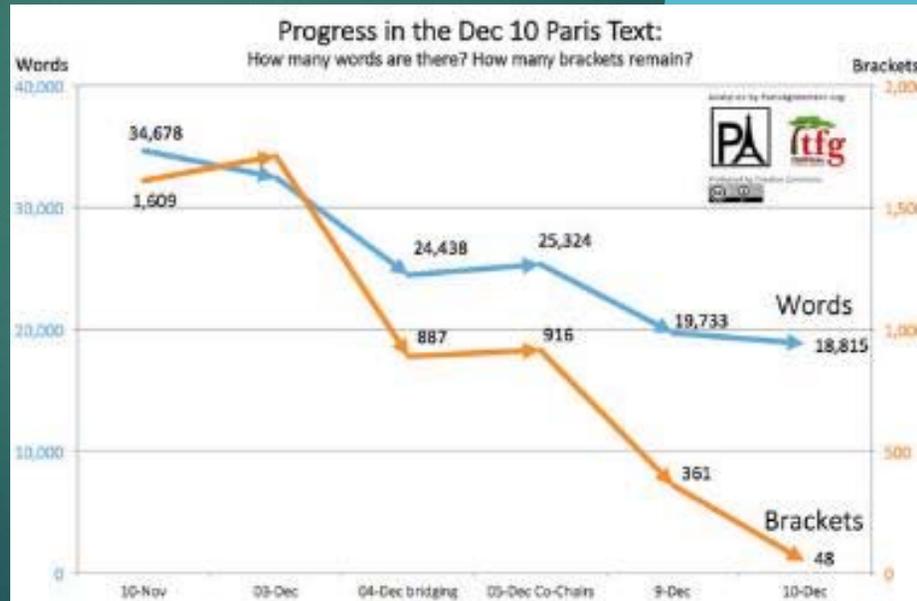
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# Narrowing Down on an Agreement

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# What happened at COP21?

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- ▶ Largest gathering of heads of state in history on November 30.
- ▶ Agreement to tackle climate change by 196 nations on December 12.
- ▶ Formal submission of 188 national climate action plans, and an agreement to review and improve plans every five years.
- ▶ Aggregate commitments - inside those plans - to reduce global emissions by around 11 gigatons by 2030, or a little less than half of what is required, but a significant down payment nonetheless.



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# What happened at COP21?

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A call to stabilize the global temperature increase at 1.5 degrees Celsius - what scientists say is the minimum threshold of safety for the planet, and to achieve net zero greenhouse gas emissions by the second half of this century. These long term targets were a critical point of debate by negotiators as they are essentially a call for an end to the fossil fuel era by mid-century.



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# What happened at COP21?

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Agreement to mobilize at least \$100 billion of annual funding beginning in 2020 to support the low carbon transition in developing countries

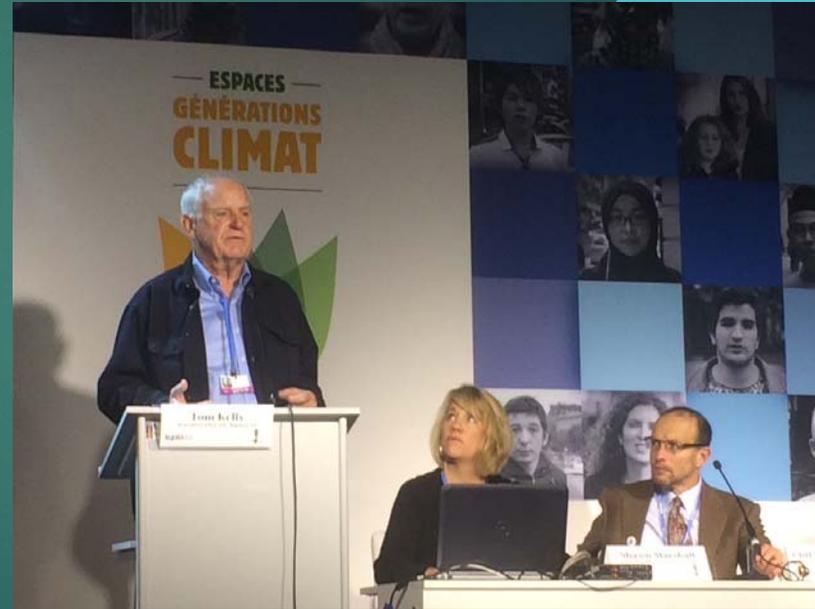


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# What Happened at COP21?

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Notable calls for urgent action from several formerly recalcitrant nations, including China, Russia, Australia, and Canada.



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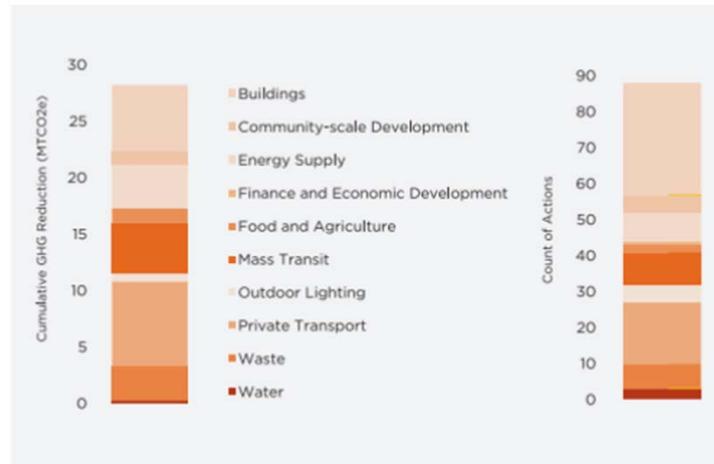
# City Reductions

As one might guess, city reductions came largely from a few sectors: private transport, buildings, and energy supply. More surprising is that 60 percent of those cumulative CO<sub>2</sub> savings came from just five types of actions:

1. [Time/day restrictions](#) on personal vehicle usage
2. [Bus-rapid transit](#)
3. Entering into [long-term contracts](#) with renewable energy providers
4. [Energy efficient appliance purchases](#) in private residential housing
5. [Landfill gas management](#)

Besides emissions savings, these measures also represent other benefits, such as “reduced congestion, air quality improvements, and, in certain cases, direct financial benefits,” the C40 report explains.

Figure 5.02 & 5.03. Breakdown of cumulative action count by sector.



A scenic view of Paris at sunset. The Eiffel Tower is visible in the distance on the left, silhouetted against a sky with soft orange and pink clouds. In the foreground, a stone bridge with multiple arches spans across the Seine River. The water reflects the warm colors of the sky. On the right, there are dark silhouettes of trees and a road with a few lights. The overall atmosphere is peaceful and romantic.

Au Revoir Paris