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**THE °CLIMATE GROUP**



# UNLOCKING AMBITION:

**TOP CORPORATE AND SUB-NATIONAL CLIMATE COMMITMENTS**

**DECEMBER 2015 UPDATE**

## RACE TO THE TOP

This latest update features ambitious climate commitments made by 200 companies, states, regions and cities that are demonstrating their seriousness when it comes to tackling climate change:

- **87** companies have set goals to reduce their greenhouse gas (GHG) emissions by 80-100%, or to procure 100% of their power from renewable sources, including Google, Infosys and Broad Group.
- **23** states and regions and **90** cities, including California and Basque Country, and Yokohama and Vancouver, have declared similar goals that will strategically position their communities and economies for low carbon growth and prosperity.

## TURNING TO COP21

This December's United Nations' 21st Conference of the Parties in Paris, COP21, brings together the global community for a historic purpose: to reach an ambitious, long-term response to climate change, one of the most challenging issues of our generation.

This week and next, nearly 200 countries will assemble around the negotiating table to debate and define solutions that will determine whether the world will move in the right 'direction of travel' to stem temperature rises to 2 degrees Celsius below pre-industrial levels. Keeping below 2 degrees is commonly recognized among the scientific and political communities as the absolute minimum necessary to protect against the worst consequences of climate change, and provide the framework for a low carbon economy.

The commitments pledged by national governments in the lead up to COP21 suggest we are already succeeding to some degree in 'bending' the temperature curve. The intended commitments submitted by nearly 150 countries put us on the pathway to a 2.7-degree rise, which is a significant improvement upon the 4-degree scenario anticipated just two years ago.<sup>1</sup>

Despite having traveled this distance, efforts to date are insufficient. We are not yet on track to meet the emissions reductions necessary. So, as national governments gather in Paris, there is still much to be done to secure a low carbon pathway.

<sup>1</sup> [www.climateactiontracker.org/news/151/In-talks-for-a-new-climate-treaty-a-raceto-the-bottom.html](http://www.climateactiontracker.org/news/151/In-talks-for-a-new-climate-treaty-a-raceto-the-bottom.html).

## WHAT CAN AMBITIOUS CORPORATE AND SUB-NATIONAL CLIMATE COMMITMENTS OFFER TO COP21?

COP21 is distinct from past international gatherings on climate change because of the recognition that companies, states, regions and cities are indispensable partners in the implementation of a global climate deal. For the first time in the history of the negotiations, these actors have been invited to provide direct input, and make their own pledges for action – many of which can be stronger than those of national governments. This presents a historic opportunity to raise the level of ambition and action by all who have the capacity to tackle climate change.

The following pages of this update showcase a set of climate commitments that are unique because they sit at the top of the impressive groundswell of 'non-state actor' pledges gathered this year.

Among the many thousands of commitments that have been recorded in the UNFCCC's Non-State Actor Zone for Climate Action,<sup>2</sup> the GHG emission reduction targets of these companies, states, regions and cities are arguably the most impactful, because they tackle the challenge of reaching carbon neutrality by 2050.

Similarly, the commitments to use only renewable power immediately create real and sizable demand for cleaner energy. This will stimulate investments in new technologies, and influence policies to embed renewable power in our energy future.

Finally, these companies, states, regions and cities are notable because they are looking beyond their own boundaries in search of smart, collaborative opportunities. Nearly all those profiled in this update are active in collaborative platforms, such as the Commit to Action campaign run by We Mean Business<sup>3</sup> with the support of many organizations like CDP<sup>4</sup> and The Climate Group;<sup>5</sup> the RE100 campaign,<sup>6</sup> the Science-Based Targets Call to Action,<sup>7</sup> the Under 2 MOU,<sup>8</sup> the Compact of States and Regions,<sup>9</sup> the Compact of Mayors,<sup>10</sup> and the Carbon Neutral Cities Alliance.<sup>11</sup>

This update is offered to all leaders who are attending COP21 and are seeking examples of how climate ambition can be unlocked.

<sup>2</sup> [www.climateaction.unfccc.int/](http://www.climateaction.unfccc.int/).

<sup>3</sup> [www.wemeanbusinesscoalition.org/take-action](http://www.wemeanbusinesscoalition.org/take-action).

<sup>4</sup> [www.cdp.net/commit](http://www.cdp.net/commit).

<sup>5</sup> [www.TheClimateGroup.org/](http://www.TheClimateGroup.org/).

<sup>6</sup> [www.TheRE100.org/](http://www.TheRE100.org/).

<sup>7</sup> [www.sciencebasedtargets.org/](http://www.sciencebasedtargets.org/).

<sup>8</sup> [www.under2mou.org/](http://www.under2mou.org/).

<sup>9</sup> [www.theclimategroup.org/what-we-do/programs/compact-of-states-and-regions/](http://www.theclimategroup.org/what-we-do/programs/compact-of-states-and-regions/).

<sup>10</sup> [www.compactofmayors.org/](http://www.compactofmayors.org/).

<sup>11</sup> [www.usdn.org/public/Carbon-Neutral-Cities.html](http://www.usdn.org/public/Carbon-Neutral-Cities.html).

## COMPANIES WITH 80-100% GHG EMISSIONS REDUCTION TARGETS

BASED ON THE LATEST RESPONSES TO CDP AND PARTICIPATION IN THE AMERICAN BUSINESS ACT ON CLIMATE PLEDGE, 34 COMPANIES HAVE COMMITTED TO REDUCING THEIR GHG EMISSIONS BY 80-100%.

ORGANIZATION	COUNTRY	PERCENT REDUCTION	TARGET YEAR*
<b>Aimia</b>	<b>Canada</b>	<b>100</b>	<b>2014</b>
<b>Bank of Montreal**</b>	<b>Canada</b>	<b>100</b>	<b>2014</b>
<b>Biogen</b>	<b>US</b>	<b>100</b>	<b>2014</b>
<b>Google</b>	<b>US</b>	<b>100</b>	<b>2014</b>
<b>Insurance Australia Group</b>	<b>Australia</b>	<b>100</b>	<b>2014</b>
<b>Intuit</b>	<b>US</b>	<b>100</b>	<b>2014</b>
<b>Kohl's **</b>	<b>US</b>	<b>100</b>	<b>2014</b>
<b>Marks and Spencer Group**</b>	<b>UK</b>	<b>100</b>	<b>2014</b>
<b>Microsoft **</b>	<b>US</b>	<b>100</b>	<b>2014</b>
<b>TD Bank Group**</b>	<b>Canada</b>	<b>100</b>	<b>2014</b>
Royal KPN	Netherlands	100	2015
Energy Optimizer	US	100	2017
Infosys	India	100	2018
Goldman Sachs	US	100	2020
Interface	US	100	2020
Kingspan Group	Ireland	100	2020
<b>Mars</b>	<b>US</b>	<b>100</b>	<b>2040</b>
Deutsche Bahn	Germany	100	2050
<b>GlaxoSmithKline**</b>	<b>UK</b>	<b>100</b>	<b>2050</b>
Tesco**	UK	100	2050
VERBUND	Austria	100	2050
BillerudKorsnäs	Sweden	100	NA
<b>AGL Energy</b>	<b>Australia</b>	<b>94</b>	<b>2050</b>
Fabege	Sweden	90	2014
<b>NRG Energy</b>	<b>US</b>	<b>90</b>	<b>2050</b>
Ricoh Co.**	Japan	88	2050
Autodesk	US	85	2050
BT Group**	UK	80	2014
<b>EMC</b>	<b>US</b>	<b>80</b>	<b>2050</b>
Konica Minolta	Japan	80	2050
Marshalls	UK	80	2050
National Grid	UK	80	2050
<b>Obayashi</b>	<b>Japan</b>	<b>80</b>	<b>2050</b>
Swiss Post Solutions	UK	80	2050

**Bold text indicates achieved target**

Source: CDP, American Business Act on Climate Pledge

\*Near term targets likely include use of renewable energy certificates (RECs) and/or carbon offsets.

\*\*Target includes emissions beyond direct operations into the value chain (Scope 3)

## COMPANIES



Google  
Information Technology  
Mountain View, California (US)

Google has now committed more than \$1.8 billion to renewable energy projects, including wind and solar farms on three continents.

**“WE’RE SERIOUS ABOUT ENVIRONMENTAL SUSTAINABILITY NOT BECAUSE IT’S TRENDY, BUT BECAUSE IT’S CORE TO OUR VALUES AND ALSO MAKES GOOD BUSINESS SENSE. AFTER ALL, THE CHEAPEST ENERGY IS THE ENERGY YOU DON’T USE IN THE FIRST PLACE. AND IN MANY PLACES CLEAN POWER IS COST-COMPETITIVE WITH CONVENTIONAL POWER.”**

Eric Schmidt, Executive Chairman, Google

Mars  
Consumer Staples  
McLean, Virginia (US)

Mars recently purchased a 200MW wind farm in Lamesa, Texas, which will provide enough energy to power it’s entire US operations.

**“WE DON’T JUST WANT GROWTH. WE WANT GROWTH THAT WE ARE PROUD OF. WE KNOW WE HAVE WORK TO DO TO GET THERE, BUT OUR SUCCESSES ALONG THE WAY MOTIVATE US TO IMPROVE.”**

Grant F. Reid, Office of the President, Mars

AGL Energy  
Utilities  
North Sydney, New South Wales (Australia)

AGL is currently the largest greenhouse gas emitter in Australia. It has committed not to build, finance or acquire any new conventional coal-fired power stations, and will close all existing coal-fired power stations by 2050.

**“WE ARE PRAGMATISTS WHEN IT COMES TO EVOLUTION OF THE (UTILITY) BUSINESS MODEL IN AUSTRALIA. YOU CAN DEBATE THE SPEED OF TRANSITION, AND CERTAINLY THE TECHNICAL SOLUTIONS THAT WILL FORM PART OF IT, BUT IT’S PRETTY CLEAR THAT A HIGH DEGREE OF DISTRIBUTED GENERATION AND STORAGE ARE LIKELY TO BE A KEY FEATURE. ”**

Jerry Maycock, Chairman, ALG Energy

Obayashi  
Industrials  
Tokyo, Japan

Obayashi Corporation is one of the largest construction companies in Japan.

**“OBAYASHI BELIEVES THAT ONE OF ITS SOCIAL RESPONSIBILITIES IS TO HELP ACHIEVE A SUSTAINABLE SOCIETY BY IMPLEMENTING GLOBAL ENVIRONMENTAL PROTECTION MEASURES THROUGH ITS CONSTRUCTION BUSINESS. GOING FORWARD, OBAYASHI WILL CONDUCT BUSINESSES, BASED ON THIS MEDIUM- AND LONG-TERM VISION.”**

Toru Shiraishi, President, Obayashi

# COMPANIES

Infosys  
Information Technology  
Bengaluru, India

Infosys is the second largest IT company in India, and employs over 1 million people.

**“EXPANDING THE SHARE OF RENEWABLES IS KEY TO ADDRESSING THE CHRONIC ENERGY CRISIS OUR COUNTRY IS FACING TODAY. BY TAKING THE FIRST STEP TOWARDS HUNDRED PERCENT RENEWABLES, WE WANT TO LEAD THE WAY IN CREATING A SUSTAINABLE FUTURE AND BRING ABOUT AN ENERGY TRANSFORMATION IN INDIA.”**

Ramadas Kamath, Executive Vice President, Infosys

Elion Resources Group  
Engineering  
Beijing, China

Elion Resources Group has become one of the largest private companies in China by transforming deserts into green spaces.

**“WE ARE FOCUSING ON GREEN ENERGY IN OUR CORPORATE STRATEGY TO ADAPT TO A NEW ERA WHERE NATURAL RESOURCES AND ENVIRONMENT HAVE BECOME A MAJOR CONSTRAINING FACTOR OF HUMAN DEVELOPMENT.”**

Wang Wenbiao, Chairman, Elion Resources Group

Walmart  
Consumer Staples  
Bentonville, Arkansas (US)

Walmart generates more on-site renewable power than any other US company.

**“MORE THAN EVER, WE KNOW THAT OUR GOAL TO BE SUPPLIED 100% BY RENEWABLE ENERGY IS THE RIGHT GOAL AND THAT MARRYING UP RENEWABLES WITH ENERGY EFFICIENCY IS ESPECIALLY POWERFUL. THE MATH ADDS UP PRETTY QUICKLY - WHEN WE USE LESS ENERGY THAT'S LESS ENERGY WE HAVE TO BUY, AND THAT MEANS LESS WASTE AND MORE SAVINGS.”**

Mike Duke, Board of Directors and former President & CEO, Walmart

Unilever  
Consumer Staples  
Rotterdam, Netherlands

Unilever is powered by 100% renewables across its US and European operations, with ambition to achieve this globally.

**“SUSTAINABILITY IS A DRIVER FOR GROWTH, AND THE ONLY LONG-TERM OPTION FOR BUSINESS IN A VOLATILE WORLD.”**

Pier Luigi Sigismondi, Chief Supply Chain Officer, Unilever

## COMPANIES WITH 100% RENEWABLE POWER TARGETS

BASED ON THE LATEST RESPONSES TO CDP, MEMBERSHIP IN THE RE100 CAMPAIGN, AND PARTICIPATION IN THE AMERICAN BUSINESS ACT ON CLIMATE PLEDGE, 64 COMPANIES HAVE COMMITTED TO PROCURING 100% OF THEIR POWER FROM RENEWABLE SOURCES.

ORGANIZATION	COUNTRY	PERCENT RENEWABLE POWER	TARGET YEAR
Royal KPN	Netherlands	100	2013*
Commerzbank	Germany	100	2013*
Almirall SA	Spain	100	2014
Bankia	Spain	100	2014
Biogen	US	100	2014*
Mediobanca	Italy	100	2014
Microsoft	US	100	2014*
SAP	Germany	100	2014*
Steelcase	US	100	2014*
Proximus	Belgium	100	2015*
Voya Financial	US	100	2015*
Hannover Rück	Germany	100	2015
Alstria	Germany	100	2016*
Crown Prince	US	100	2016
Elopak	Norway	100	2016*
Land Securities	UK	100	2016*
Infosys	India	100	2018*
Autodesk	US	100	2020*
BT Group	UK	100	2020*
Formula E	UK	100	2020*
Goldman Sachs	US	100	2020*
IKEA Group	Netherlands	100	2020*
Kingspan Group	Ireland	100	2020*
La Poste	France	100	2020*
LEGO Group	Denmark	100	2020
Novo Nordisk	Denmark	100	2020*
RELX Group	UK	100	2020*
Royal Philips	Netherlands	100	2020*
SGS	Switzerland	100	2020*
Swiss Re	Switzerland	100	2020*
UBS	Switzerland	100	2020*
Vaisala	Finland	100	2020*
YOOX Group	Italy	100	2020*
JCDecaux	France	100	2022

ORGANIZATION	COUNTRY	PERCENT RENEWABLE POWER	TARGET YEAR
Aviva	UK	100	2025*
BROAD Group	China	100	2025*
Nike	US	100	2025*
Elion Resources Group	China	100	2030*
Adobe	US	100	2035*
Mars	US	100	2040*
J&J	US	100	2050*
Xerox	US	100	2050
Apple	US	100	NA
Avant Garde Innovations	India	100	NA
Commercial Limited	UK	100	NA
DSM	Netherlands	100	NA*
Facebook	US	100	NA
Givaudan	Switzerland	100	NA*
Google	US	100	NA*
GreenStep Solutions	Canada	100	NA
H&M	Sweden	100	NA*
IFF	US	100	NA*
Infigen Energy	Australia	100	NA
KPMG UK	UK	100	NA
Marks and Spencer Group	UK	100	NA*
Nestlé	Switzerland	100	NA*
Origina Energy	Australia	100	NA
Procter and Gamble	US	100	NA*
Salesforce	US	100	NA*
J Safra Sarasin	Switzerland	100	NA*
Starbucks	US	100	NA*
Unilever	Netherlands	100	NA*
Vestas	Denmark	100	NA
Walmart	US	100	NA*

**Bold text indicates achieved target**

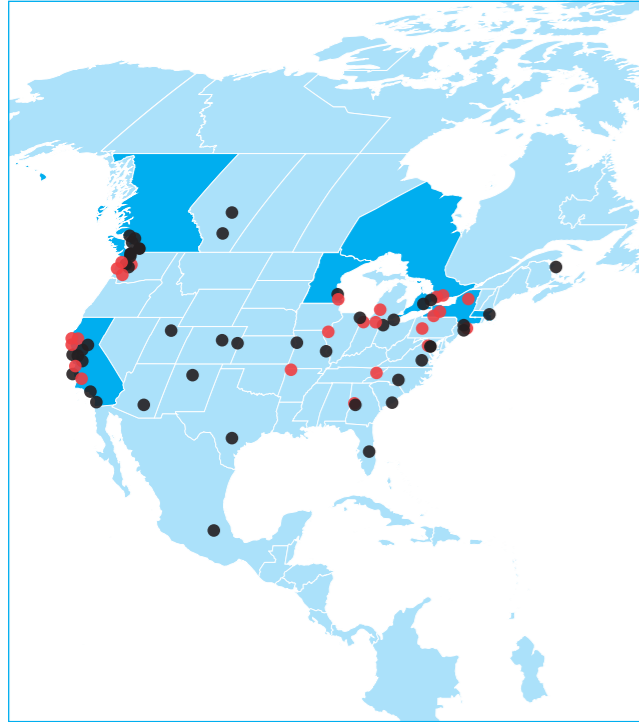
\*For more information on companies' interim targets and achievements to date, visit:

[www.TheRe100.org](http://www.TheRe100.org)

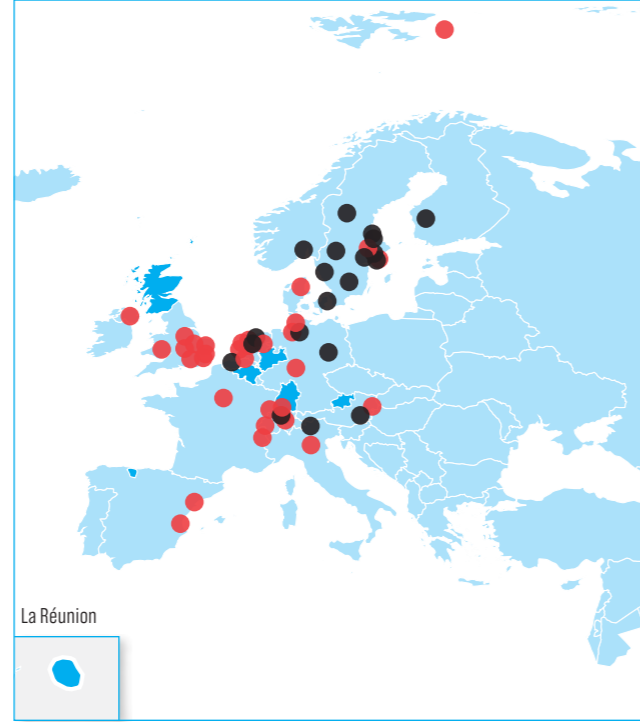
Source: CDP, RE100, American Business Act on Climate Pledge

# BOLD CLIMATE COMMITMENTS AROUND THE WORLD

NORTH AMERICA



EUROPE



ASIA-PACIFIC



- State/Region
- City
- Company



**STATES & REGIONS WITH 80-100% GHG EMISSIONS REDUCTION TARGETS**

BASED ON THE LATEST RESPONSES TO THE CLIMATE GROUP STATES & REGIONS, CDP, CARBONN CLIMATE REGISTRY (VIA NAZCA), AND THE UNDER 2 MOU, 23 STATES AND REGIONS HAVE COMMITTED TO REDUCING THEIR GHG EMISSIONS BY 80-100%, OR PROCURING 100% OF THEIR POWER FROM RENEWABLE SOURCES.

STATE/REGIONAL GOVERNMENT	COUNTRY	PERCENT REDUCTION	TARGET YEAR
Jämtland	Sweden	100	2030
Australian Capital Territory	Australia	100	2060
Baden-Württemberg	Germany	90	2050
Drenthe	Netherlands	90	2050
Fukushima Prefecture	Japan	80	2040
Basque Country	Spain	80	2050
British Columbia	Canada	80	2050
California	US	80	2050
Connecticut	US	80	2050
Gifu Prefecture	Japan	80	2050
Kyoto Prefecture	Japan	80	2050
Massachusetts	US	80	2050
Minnesota	US	80	2050
New York	US	80	2050
North Rhine-Westphalia	Germany	80	2050
Ontario	Canada	80	2050
Scotland	UK	80	2050
Wales	UK	80	2050
Wallonia	Belgium	80	2050

Source: The Climate Group States & Regions, CDP, carbonn Climate Registry (via NAZCA), Under 2 MOU

**STATES & REGIONS WITH 100% RENEWABLE POWER TARGETS**

STATE/REGIONAL GOVERNMENT	COUNTRY	PERCENT RENEWABLE POWER	TARGET YEAR
Scotland	UK	100	2020
Australian Capital Territory	Australia	100	2025
Carinthia	Austria	100	2025
La Réunion	France	100	2030
Upper Austria	Austria	100	2030
Hawaii	US	100	2045

Source: The Climate Group States & Regions, CDP, carbonn Climate Registry (via NAZCA)

**STATES & REGIONS**



North Rhine Westphalia (Germany)  
Population: 18 million  
GDP: €600 billion

North Rhine Westphalia accounts for about a third of Germany's total emissions.

**“ADDRESSING CLIMATE CHANGE IS A HUGE OPPORTUNITY FOR INNOVATION, JOB CREATION AND GIVING NORTH RHINE-WESTPHALIAN BUSINESSES A COMPETITIVE ADVANTAGE GLOBALLY. FOR US, CLIMATE PROTECTION IS AN ENGINE FOR PROGRESS, AND THE BEST ECONOMIC POLICY FOR NORTH RHINE-WESTPHALIA.”**

Johannes Remmel, Minister for Climate Protection and Environment, State of North Rhine-Westphalia

California (US)  
Population: 38 million  
GDP: US\$2.2 trillion

California's advanced energy industry employs more than 430,000 people.

**“CALIFORNIA ENERGY POLICIES ARE A ROAD TO REAL INNOVATION THAT WILL DRIVE BUSINESS INVESTMENT AND DEVELOPMENT, IN CALIFORNIA AND THROUGHOUT THE REST OF THE COUNTRY.”**

Jerry Brown, Governor, State of California

Ontario (Canada)  
Population: 13.6 million  
GDP: CAD\$721 billion

Ontario successfully phased out coal from its power supply in 2014 (from 25% in 2003).

**“FIGHTING CLIMATE CHANGE REQUIRES BOLD, SUSTAINED ACTIONS TO REDUCE GREENHOUSE GAS POLLUTION. THAT IS WHY ONTARIO HAS SET AMBITIOUS GREENHOUSE GAS REDUCTION TARGETS, INCLUDING A 2050 TARGET OF 80% BELOW 1990 LEVELS. ONTARIO IS SET TO RELEASE A CLIMATE CHANGE STRATEGY AND ACTION PLAN THAT WILL ENSURE WE MEET OUR TARGETS AND PROVIDE FUTURE GENERATIONS WITH A HEALTHY PLANET AND A PROSPEROUS LOW-CARBON ECONOMY.”**

Glen Murray, Minister of the Environment and Climate Change, Province of Ontario

Australian Capital Territory  
Population: 385,996  
GDP: AU\$27.4 billion

Renewable energy jobs in ACT have grown 400% over the past five years.

**“WE CAN DO THIS. WE HAVE SHOWN IT'S POSSIBLE - NOW WE HAVE ONE SMALL STEP LEFT. 100% RENEWABLE ENERGY WILL DRIVE FURTHER JOBS GROWTH IN OUR RESEARCH AND CORPORATE SECTORS.”**

Andrew Barr, Chief Minister, Australian Capital Territory

# CITIES

Boulder (Colorado), US  
Population: 103,830  
GDP: US\$21 billion

Boulder was the first city in the US to adopt a carbon tax.

**“BOULDER’S PLAN TO REDUCE CARBON EMISSIONS AND DRAMATICALLY SHIFT AWAY FROM FOSSIL FUELS IS NOT ONLY BOLD, IT’S NECESSARY – FOR OUR LOCAL ECONOMY, ENVIRONMENT AND OUR FUTURE.”**

Matt Appelbaum, Mayor, Boulder (Colorado)

Stockholm, Sweden  
Population: 901,700  
GDP: \$416 billion

From 1993 to 2010, Stockholm’s emissions fell 35%, while the economy grew by 41% - one of the highest growth rates in Europe.

**“A SUSTAINABLE ENVIRONMENT HAS BEEN ONE OF STOCKHOLM’S TOP PRIORITIES FOR THE LAST 20 YEARS... AS CITIES, WE CAN LEAD THE WAY IN DEMONSTRATING INNOVATIVE SOLUTIONS.”**

Karin Wanngård, Mayor, Stockholm

Atlanta (Georgia), US  
Population: 443,775  
GDP: US\$260 billion

In addition to its long-term target, Atlanta also has a short-term target of 20% by 2020.

**“A KEY PART OF THE SOLUTION TO CLIMATE CHANGE IS BOLD ACTION AT THE LOCAL LEVEL. ATLANTA IS TAKING THE LEAD AS A WORLD-CLASS, SUSTAINABLE CITY BY SETTING AMBITIOUS, BUT ACHIEVABLE, GHG REDUCTION GOALS OF 20% BY 2020, RETROFITTING CITY FACILITIES FOR ENERGY AND WATER EFFICIENCY AND ADDING EV CARS TO OUR FLEET. WITH THE SUPPORT OF PARTNERS LIKE THE ROCKEFELLER BROTHERS FUND, CITIES ARE MEETING THEIR CLIMATE GOALS AND PRESERVING OUR ENVIRONMENT FOR GENERATIONS TO COME.”**

Kasim Reed, Mayor, Atlanta

CITY	COUNTRY	PERCENT REDUCTION	TARGET YEAR
Melbourne	Australia	100	2020
Copenhagen	Denmark	100	2025
Gävle	Sweden	100	2030
Östersund	Sweden	100	2030
Växjö	Sweden	100	2030
Santa Fe	US	100	2040
Stockholm	Sweden	100	2040
Turku	Finland	100	2040
Antwerp	Belgium	100	2050
Charlotte	US	100	2050
Edmonton	Canada	100	2050
Frankfurt	Germany	100	2050
Ghent	Belgium	100	2050
Oslo	Norway	100	2050
Seattle	US	100	2050
Somerville	US	100	2050
Adelaide	Australia	100	NA
Tucson	US	100	NA
Uppsala	Sweden	94	2050
Orlando	US	90	2040
Ann Arbor	US	90	2050
Austin	US	90	2050
Haninge	Sweden	90	2050
Puebla	Mexico	90	2050
Berlin	Germany	85	2050
Huddinge	Sweden	85	2050
Cincinnati	US	84	2050
Caledon	Canada	83	2021
Charleston	US	83	2050
Oakland	US	83	2050
Hayward	US	82	2050
Himeji	Japan	82	2050
Zurich	Switzerland	82	2050
Bolzano	Italy	80	2030
Atlanta	US	80	2040
Antwerp	Belgium	80	2050
Antioch	US	80	2050
Aomori	Japan	80	2050
Aspen	US	80	2050
Berkeley	US	80	2050

## CITIES WITH 80-100% GHG EMISSIONS REDUCTION TARGETS

BASED ON THE LATEST RESPONSES TO CDP AND THE CARBONN CLIMATE REGISTRY (VIA NAZCA), AS WELL AS RESEARCH BY C40, ARUP, AND THE CARBON NEUTRAL CITIES ALLIANCE, 90 CITIES HAVE COMMITTED TO REDUCING THEIR GHG EMISSIONS BY 80-100%, OR PROCURING 100% OF THEIR POWER FROM RENEWABLE SOURCES.

CITY	COUNTRY	PERCENT REDUCTION	TARGET YEAR
Boston	US	80	2050
Boulder	US	80	2050
Calgary	Canada	80	2050
Canberra	Australia	80	2050
Chicago	US	80	2050
Cleveland	US	80	2050
Colwood	Canada	80	2050
District of Columbia	US	80	2050
Gothenburg	Sweden	80	2050
Graz	Austria	80	2050
Halifax	Canada	80	2050
Hamburg	Germany	80	2050
Kansas City	US	80	2050
Kofu	Japan	80	2050
Kumamoto	Japan	80	2050
London	Canada	80	2050
Los Angeles	US	80	2050
Maple Ridge	Canada	80	2050
Minneapolis	US	80	2050
Nagahama	Japan	80	2050
Nara City	Japan	80	2050
New York City	US	80	2050
North Cowichan	Canada	80	2050
Niigata	Japan	80	2050
Portland	US	80	2050
Richmond	US	80	2050
Sacramento	US	80	2050
Saitama City	Japan	80	2050
Salt Lake City	US	80	2050
San Diego	US	80	2050
San Francisco	US	80	2050

**CITIES WITH 80-100% GHG EMISSIONS REDUCTION TARGETS**

Continued from page 13.

CITY	COUNTRY	PERCENT REDUCTION	TARGET YEAR
Santa Monica	US	80	2050
Sapporo	Japan	80	2050
Shimonoseki	Japan	80	2050
St. Louis	US	80	2050
Tacoma	US	80	2050
Tokorozawa	Japan	80	2050
Toronto	Canada	80	2050
Vancouver	Canada	80	2050
Västerås	Sweden	80	2050
Wellington	New Zealand	80	2050
West Vancouver	Canada	80	2050
Yao	Japan	80	2050
Yokohama	Japan	80	2050

Source: CDP, carbon Climate Registry (via NAZCA), C40, Arup, Carbon Neutral Cities Alliance, Government sources

**CITIES WITH 100% RENEWABLE POWER TARGETS**

CITY	COUNTRY	PERCENT RENEWABLE POWER	TARGET YEAR
<b>Aspen</b>	<b>US</b>	<b>100</b>	<b>2015</b>
<b>Burlington</b>	<b>US</b>	<b>100</b>	<b>2020</b>
Kasese	Uganda	100	2020
Oslo	Norway	100	2020
San Jose	US	100	2022
Copenhagen	Denmark	100	2025
Munich	Germany	100	2025
Santa Monica	US	100	2025
Frederikshavn	Denmark	100	2030
Malmö	Sweden	100	2030
Säffle	Sweden	100	2030
San Francisco	US	100	2030
Växjö	Sweden	100	2030
Stockholm	Sweden	100	2040
Gävle	Sweden	100	2050
Vancouver	Canada	100	NA

**Bold text indicates achieved target**

Source: CDP, carbon Climate Registry (via NAZCA), Government sources



# CITIES

Salt Lake City (Utah), US  
Population: 191,180  
GDP: \$70.7 billion

Salt Lake City voted for the Republican presidential candidate (Mitt Romney) by a 20-point margin in 2012.

**“AT THE CITY LEVEL, I THINK OUR RESIDENTS EXPECT US TO TAKE ACTION AROUND THINGS THAT THE CITY BOTH NEEDS AND WANTS, AND CLIMATE CHANGE LEADS INTO THAT. SO WE MOVE QUICKLY PAST THE IDEOLOGICAL DIALOG THAT I HEAR GOING ON AT THE STATE LEVEL AND NATIONAL LEVEL BECAUSE THERE ARE REALITIES ON THE GROUND, AND IN OUR WATER, AND IN OUR AIR THAT WE SEE EVERY DAY, AND YEAR AFTER YEAR, THAT REFLECT THE EFFECTS WE ARE ALREADY SEEING FROM CLIMATE CHANGE.”**

Ralph Becker, Mayor, Salt Lake City (Utah)

Copenhagen, Denmark  
Population: 580,184  
GDP: \$51.9 billion

From 1993 to 2010, Copenhagen cut per capita emissions, while the economy grew 25%.

**“WE WANT TO LINK EFFORTS TO REDUCE THE IMPACT OF GLOBAL WARMING WITH ECONOMIC GROWTH AND JOB CREATION. OUR MAIN FOCUS HAS BEEN ON CREATING A CLEAN, GREEN CITY WITH HIGH STANDARDS OF LIVING. WE WANT A CITY WHERE PEOPLE CAN ENJOY LIVING AND WORKING WITHOUT HARMING THE PLANET.”**

Frank Jensen, Lord Mayor, City of Copenhagen

Burlington (Vermont), US  
Population: 42,417

Burlington is the largest city in Vermont and aims to stabilize its emissions by 2016.

**“I AM PROUD OF OUR RECENT PURCHASE OF THE 7.4 MEGAWATT WINOOSKI ONE HYDROELECTRIC FACILITY. NOT ONLY DOES THIS PURCHASE MEAN THAT BURLINGTON NOW OWNS OR HAS CONTRACTS WITH RENEWABLE ENERGY FACILITIES SUFFICIENT TO SERVE 100% OF THE CITY’S ELECTRICITY NEEDS, IT HELPS OUR CITY MAKE PROGRESS ON BOTH OUR CLIMATE ACTION PLAN AND OUR FINANCIAL STABILITY EFFORTS. OWNING AND OPERATING A HYDROELECTRIC PLANT THAT FEEDS DIRECTLY INTO BURLINGTON ELECTRIC DEPARTMENT’S DISTRIBUTION SYSTEM IS AN IMPORTANT STEP TOWARD ENSURING STABLE, LOW ENERGY COSTS FOR OUR CUSTOMERS.”**

Miro Weinberger, Mayor, Burlington





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**Note on scope**

This list is not comprehensive, but based on information reported to the organizations and initiatives listed below.

If you have a target that you would like to be included in future editions, please contact CDP or The Climate Group at the contacts below.

**Note on methodology**

Corporate GHG targets are based on responses to CDP's 2015 climate change questionnaire and participation in the American Business Act on Climate Pledge

Corporate renewable power targets are based on responses to CDP's 2015 climate change questionnaire, and participation in the RE100 initiative ([www.TheRe100.org](http://www.TheRe100.org)).

State and regional targets are based on information reported to The Climate Group's States & Regions Alliance, CDP (via the Compact of States & Regions), the Under 2 MOU, and carbonn Climate Registry (retrieved on the NAZCA portal: [www.ClimateAction.unfccc.int](http://www.ClimateAction.unfccc.int)).

City targets are based on responses to CDP's 2015 climate change questionnaire, inclusion in the report: Working Together: Global Aggregation of 80% City Climate Commitments, by C40 and Arup, research conducted by the Carbon Neutral Cities Alliance ([www.CarbonNeutralCitiesAlliance.org](http://www.CarbonNeutralCitiesAlliance.org)), and information reported to the carbonn Climate Registry (retrieved on the NAZCA portal).

**Note on data**

For more information on the climate targets listed above, see the 2014 CDP report: Unlocking ambition and driving innovation: Corporate and sub-national leadership on setting long-term climate targets at [www.CDP.net](http://www.CDP.net).

**Contacts**

For questions, or to share your climate target, contact:

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