



# 2014 Sustainability Update

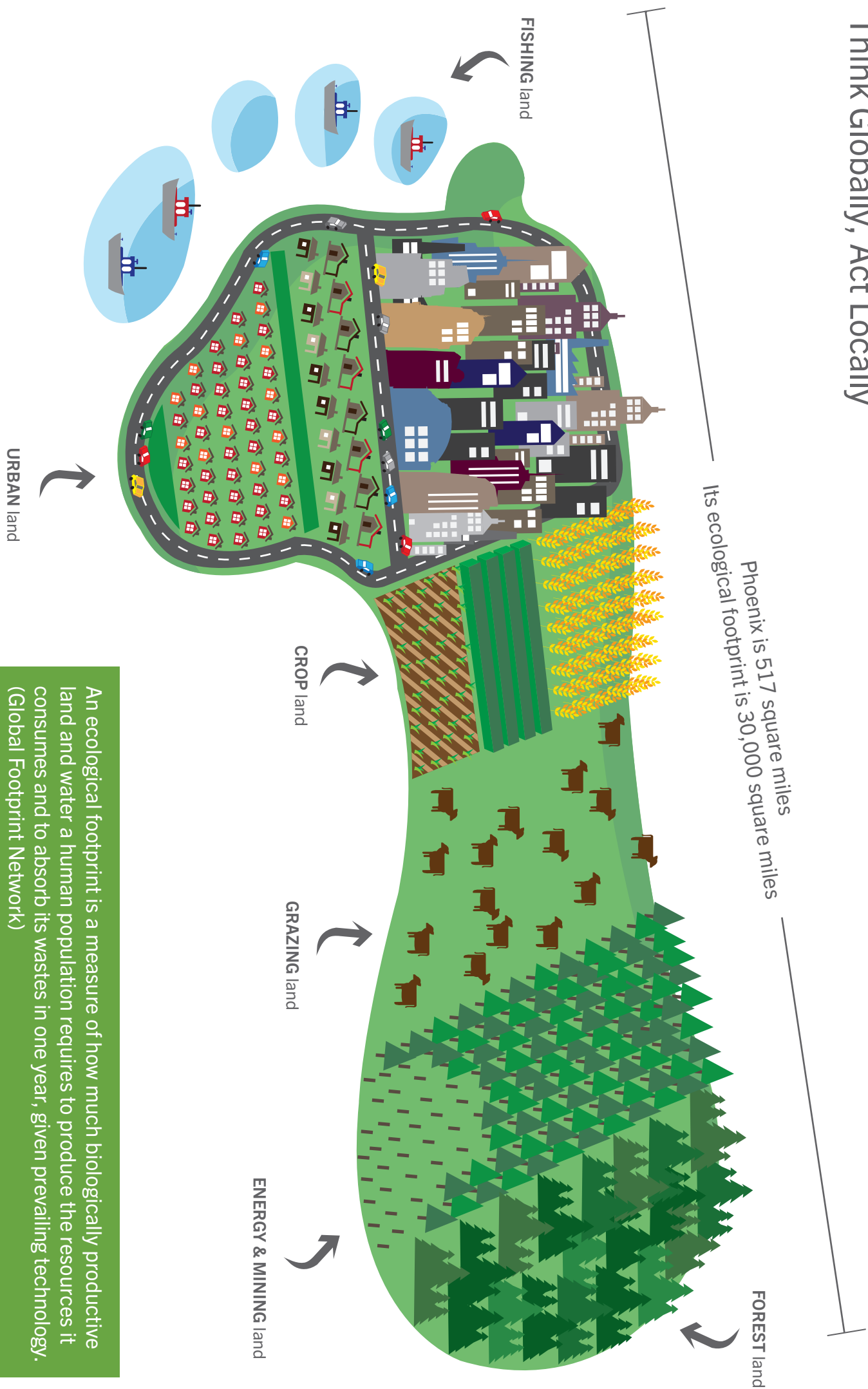
Sustainable Community  
Sustainable Economy  
Sustainable Environment



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## SUSTAINABILITY CONTEXT

Think Globally, Act Locally



An ecological footprint is a measure of how much biologically productive land and water a human population requires to produce the resources it consumes and to absorb its wastes in one year, given prevailing technology. (Global Footprint Network)



### Mayor Greg Stanton

I am proud of the advances made in 2014, including setting a goal to divert 40% of waste from the landfill, implementing projects that keep our traffic and people moving, and exceeding our greenhouse gas reduction goal for City operations ahead of schedule. These steps help us move toward improving the quality of life for future generations.



### Councilman Bill Gates

Chair, Finance, Efficiency, Economy, and Sustainability Subcommittee

In 2014, we continued to advance our role as a national leader in alternative fuel and renewable energy usage. Our recent innovative water initiatives are great examples of the types of solutions that not only protect this precious resource but demonstrate our fiscal responsibility in supporting sustainability.



### Mark Hartman

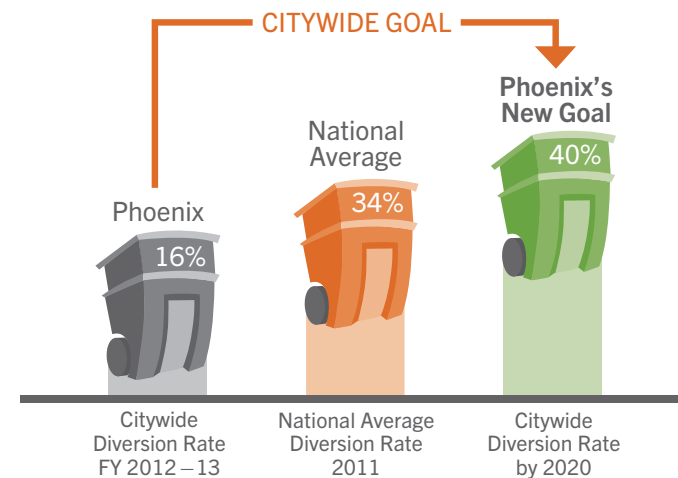
Chief Sustainability Officer  
City of Phoenix

Sustainability is about leveraging innovation in the use of energy, water and resources while providing clean air, healthy ecosystems, social justice and a vibrant economy. The City made significant achievements in 2014 highlighted in the following pages. I am looking forward to working with City departments, residents and businesses in 2015 to move us toward a more sustainable future.

# SIX TOP ENVIRONMENTAL INITIATIVES OF 2014

## 1 Set Waste Diversion Goal: Reimagine Phoenix “40 by 20”

“Reducing amount of trash to city landfills”



Added two new programs in 2014:

- **Green Organics Curbside Collection** (yard waste, branches, shrubs)
- **Save-As-You-Reduce-and-Recycle (SAY R&R)** new option to downsize trash container to save \$3/month

## 2 Updated Sustainable Transportation Infrastructure



**GR:D**  
BIKESHARE

- In 2014, Phoenix reached 713 total bikeway miles, including 596 miles of on-street facilities and 117 miles of off-street paths (includes 22 bike bridges and 20 bike tunnels).
- Implemented GR:D Bike Share Program that added 300 bikes with a goal of 600
  - 2,250 registered members
  - 14,075 miles peddled

**713** total bikeway miles



## 3 Implemented Innovative Water Solutions

### Water Conservation



Achieved 30% reduction in water use per capita in the last 20 years

### The New Tucson Water Exchange

A collaboration with Tucson that will help ensure the continued delivery of reliable water supplies to Phoenix customers even during times of shortage on the Colorado River

### The New Colorado River Resiliency Fund

Dedicates

**\$6 MILLION**

in annual funding for projects that will help protect Phoenix against future water shortages

### Tres Rios Wetland Project

- Where the Salt, Gila, and Agua Fria Rivers unite to promote a home for our native species
- Completed in 2014
- “Polishes” reclaimed water for re-use in the ecosystem



The City secured a

**50 YEAR**

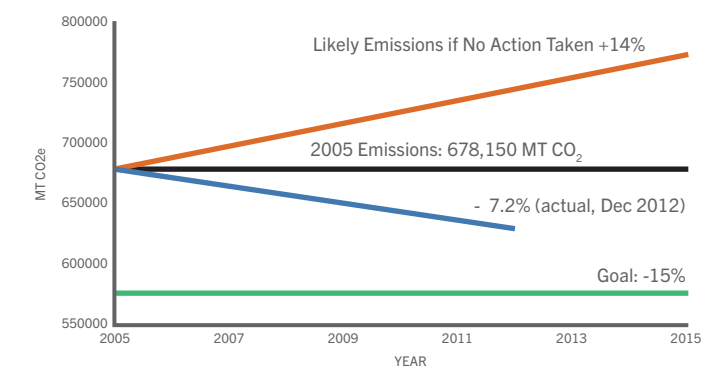
allocation of renewable Hoover Dam hydro-electricity for the City’s water operations, starting in 2017



## 4 Achieved a 7.2% Reduction in Greenhouse Gas Emissions

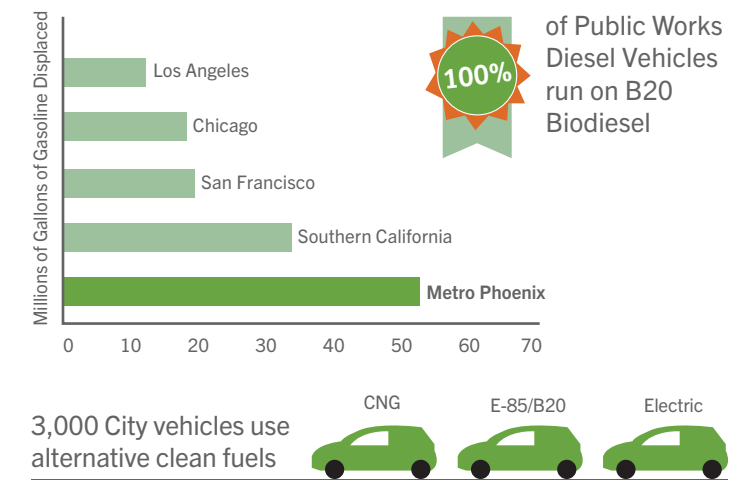
- Exceeding the previously established reduction goal by 2.2%
- Set new target of 15% below 2005 levels by the end of 2015

### Phoenix GHG Emissions Inventory and Goal

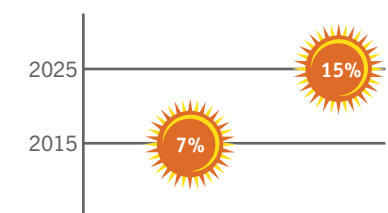


## 5 Metro Phoenix is a leader in the nation in Alternative Fuel Use

City of Phoenix plays a significant role with 50% of our vehicles operating on alternative/clean fuels



## 6 Moved Closer to 15% Renewable Energy Goal



Solar installations on 29 City facilities totaling 15.27 MW capacity



Lake Pleasant Water Treatment Plant – 7.5 Megawatts