March 16th, 2017

Sustainability in Action – Laurie Kadrich

How Did We Get Here?

- Strong history of sustainability and environmental activism
- Emergency management lessons stressed the importance of resiliency
- Ambitious climate action goals

Fort Collins Climate Action History

1998

1st Volun-tary Wind Program

1999

Local Action Plan

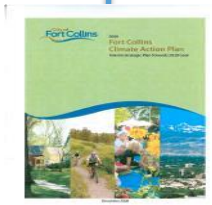
2000

Climate Wise formed

2003

Energy Policy

2008



Climate Action Plan

2009

Energy Policy

2015

Climate Action Plan Framework

Climate Action Plan Operationalization

Climate Action PLAN

- Framework
- Goals
- Reports/Documents
- Dashboard/Metrics

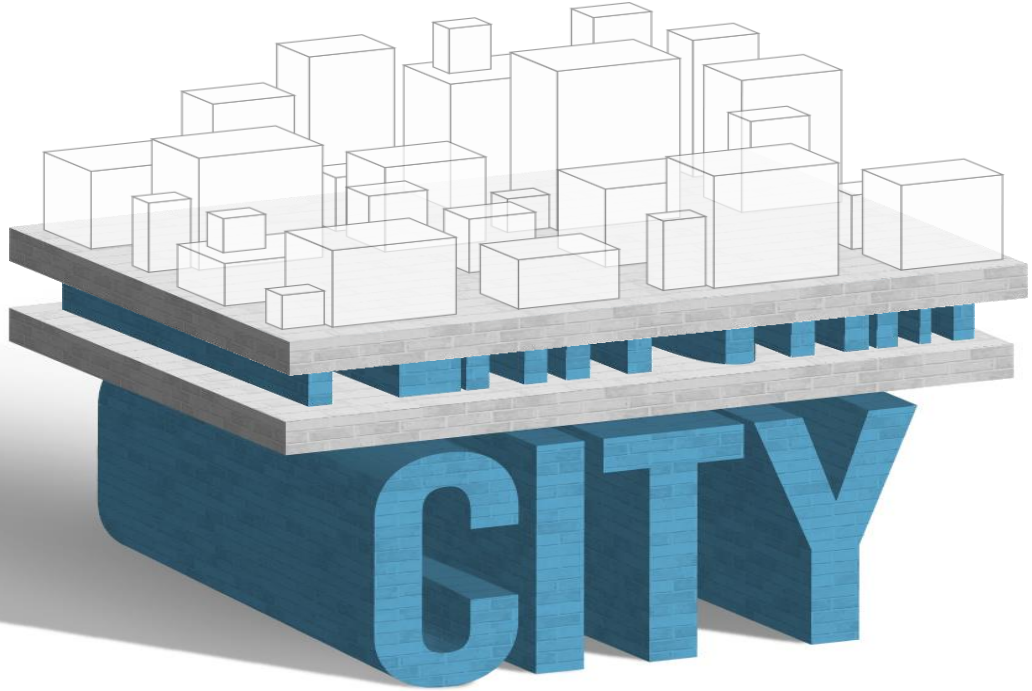
FORTIFY
HEALTHY. VIBRANT. RESILIENT.

Messaging Specific Actions

- Identifying
- Connecting
- Inspiring

Fortify Fort Collins

Sustainable Leadership



Community Outcome Areas

Neighborhood Livability and Social Health

Economic Health

Safe Community

High Performing Government

Culture and Recreation

Environmental Health

Transportation

City Plan Update

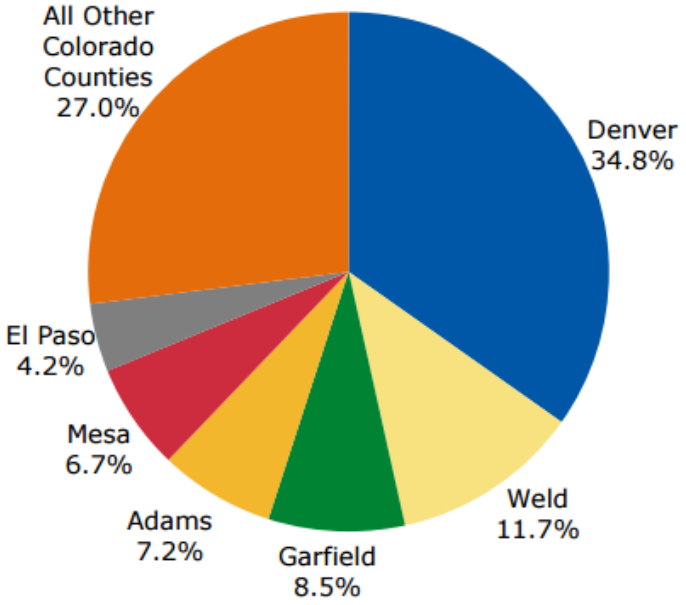
Plan Fort Collins

New update for 2017 combines traditional elements of land use planning with climate action planning

DENVER
THE MILE HIGH CITY

DENVER
THE MILE HIGH CITY

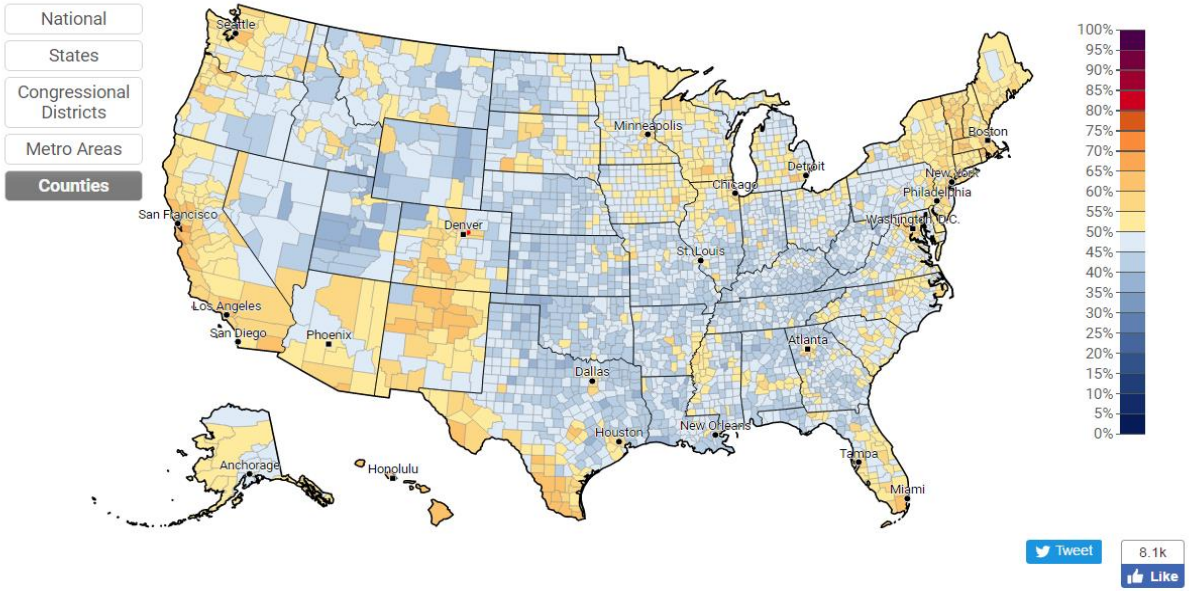
Colorado Fossil Fuels Employment by County, 2014

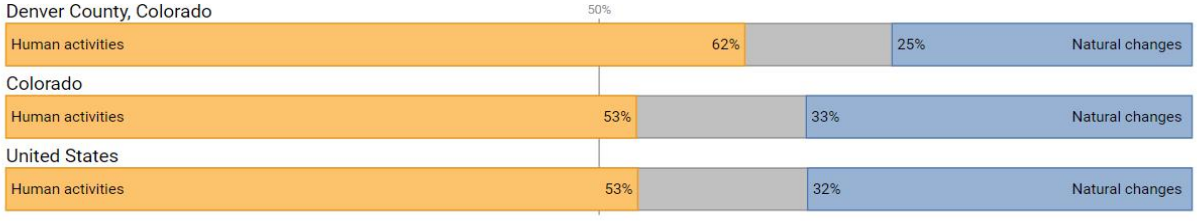


Sources: Market Analysis Profile, 2014; Development Research Partners.

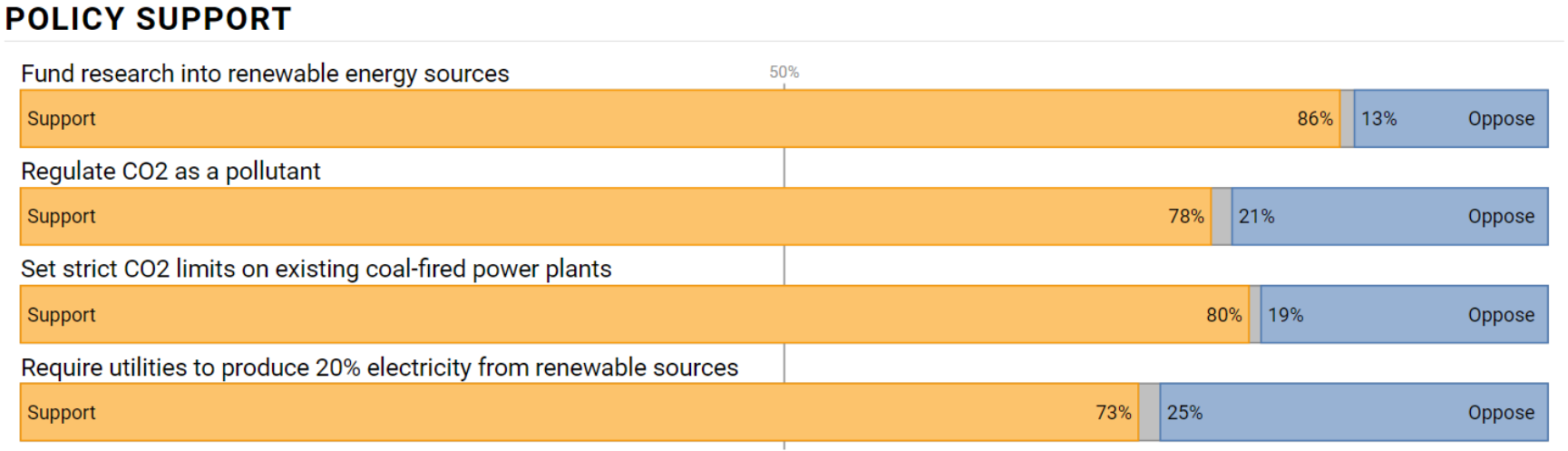
Estimated % of adults who think global warming is mostly caused by human activities, 2016

Yale Program on Climate Change Communication





GHG Emissions (thousand Metric Tons CO_2e)



DENVER
THE MILE HIGH CITY

GHG Emissions (thousand Metric Tons CO_2e)

			2005	2015	Percent Change Emissions
Scopes 1+2+ Waste	Residential	Natural Gas	752	724	-3.7%
		Electricity from Grid	1,198	1,141	-4.7%
	Commercial & Industrial	Natural Gas	1,257	1,103	-12.3%
		Electricity from Grid	3,794	3,294	-13.2%
	Public	Electricity from Grid	44	44.0	0.2%
	Surface transportation	Gallons of Gasoline	2,041	2,000	-2.0%
		Gallons of Diesel	499	538	7.9%
	Waste	Metric Tons of MSW	169	77	-54.2%
Scope 3	Airline travel	Gallons of Jet Fuel	818	839	2.5%
	Fuel Production	Gallons of Fuel	828	823	-0.6%
	Cement	Metric Tons	352	327	-7.0%
	Food	$ spent	1,504	1,863	23.8%
Total Emissions:			**13,256**	**12,774**	-3.6%
Per capita emissions			**23.6**	**17.2**	-27.1%

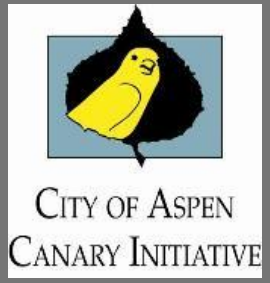
City of Aspen

Current projects and priorities

THE CITY OF ASPEN

Structure:

- Canary Initiative – City of Aspen’s climate and energy department
- Dedicated staff and funding since 2005



Focus Areas

Climate mitigation

Climate adaptation

Internal action

Policy & advocacy

Policy:

- Sharing Aspen's story at the international, national and state level
- Using Aspen's connections and notoriety to drive large, meaningful changes

COMPACT OF Colorado COMMUNITIES

CC4CA
Colorado Communities for Climate Action

The Mountain Pact

Mitigation

100% renewable utility

Largest rural transportation system

Funding for energy efficiency work

Building and land use codes

Adaptation:

Water storage

River protection

Uphill economy

Emergency preparedness

Boulder's Climate Commitment

RMLUI

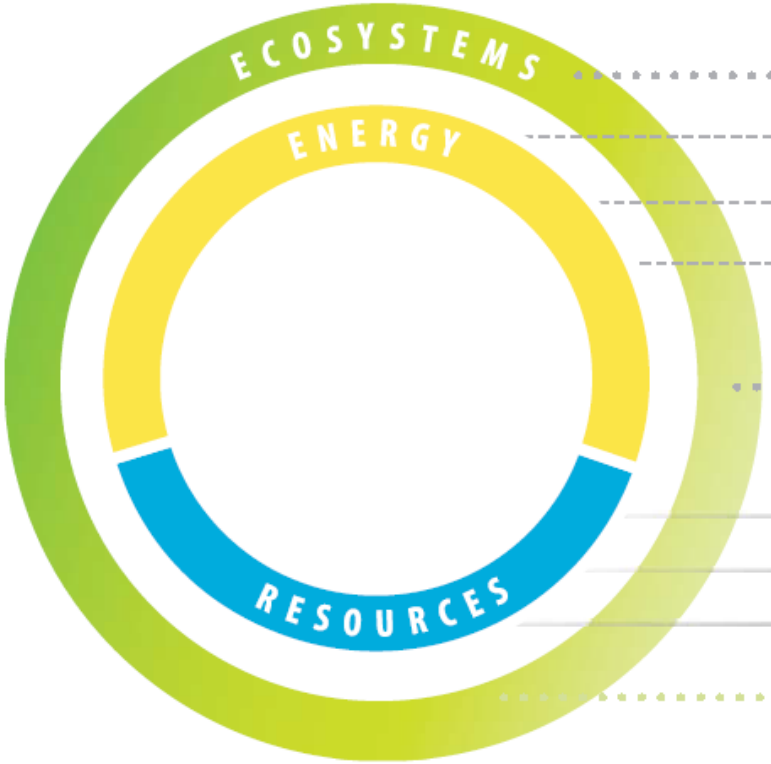
March 17, 2017

City of Boulder

CLIMATE COMMITMENT

Rising to the climate challenge, powering a vibrant future.

The Climate Emissions System



Urban Ecosystems

Clean Electricity

High Performance Buildings

Clean Mobility

Wildland Ecosystems

Waste

Water Use

Food

Agricultural Ecosystems

Overall community emissions reduction goal:

80% emissions reduction by 2050

Sub-goal related to renewable electricity:

100% renewable electricity by 2030

City organization emissions reduction goal:

80% emissions reduction by 2030

Local Generation target (Installed Capacity in megawatts)

50 MW by 2020

100 MW by 2030

175 MW by 2050