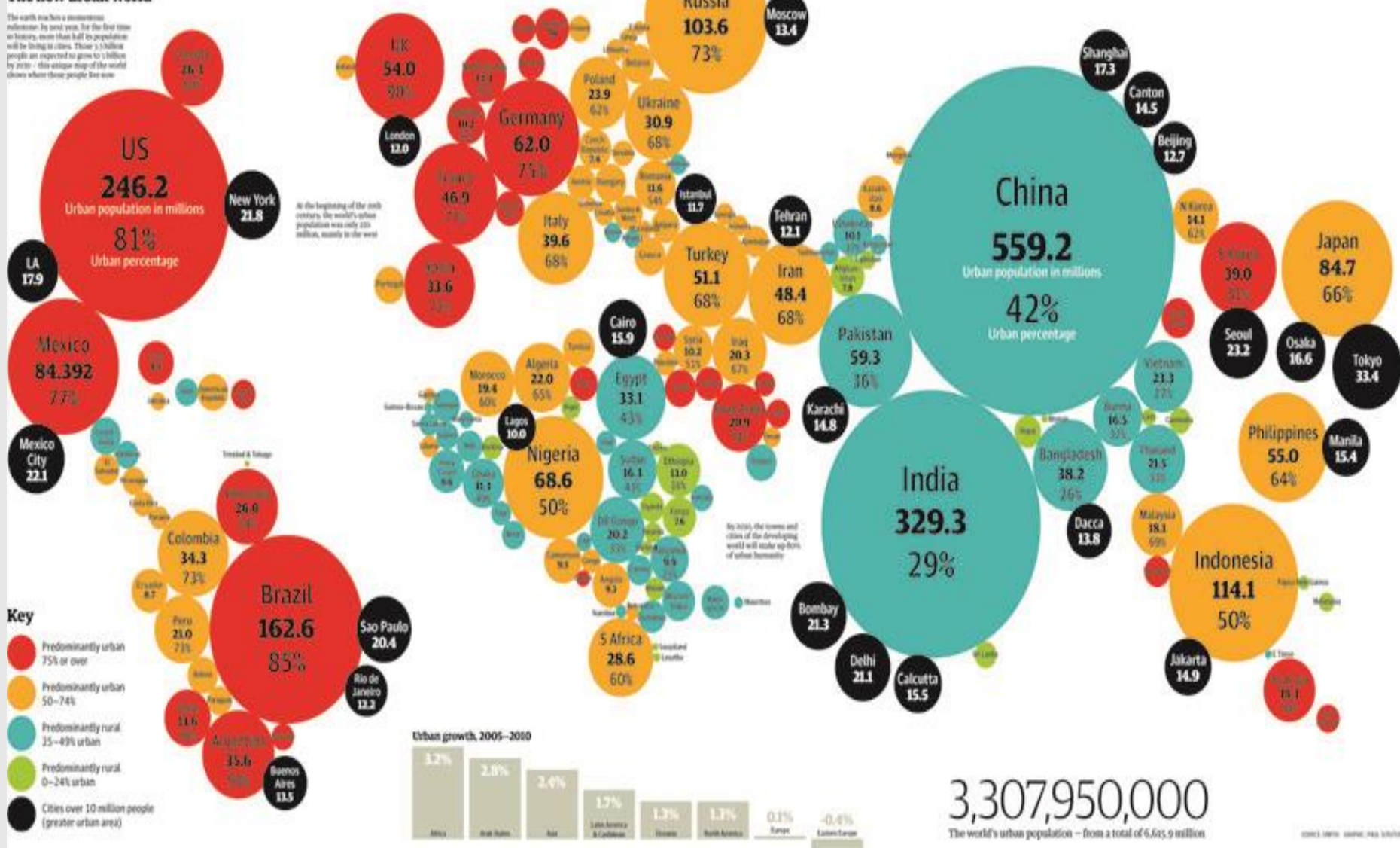


Emerging Trends...the next 5, 20 and 50 years?



American Planning Association
Making Great Communities Happen

The earth reaches a momentous milestone: by next year, for the first time in history, more than half its population will be living in cities. Those 3 billion people are expected to grow to 5 billion by 2020 - in this unique map of the world shows where those people live now.



3,307,950,000

The world's urban population – from a total of 6,615.9 million

Journal of Management Education 34(10)

2065?

10.4 billion global population

67% urban =

7.0 billion global urban population

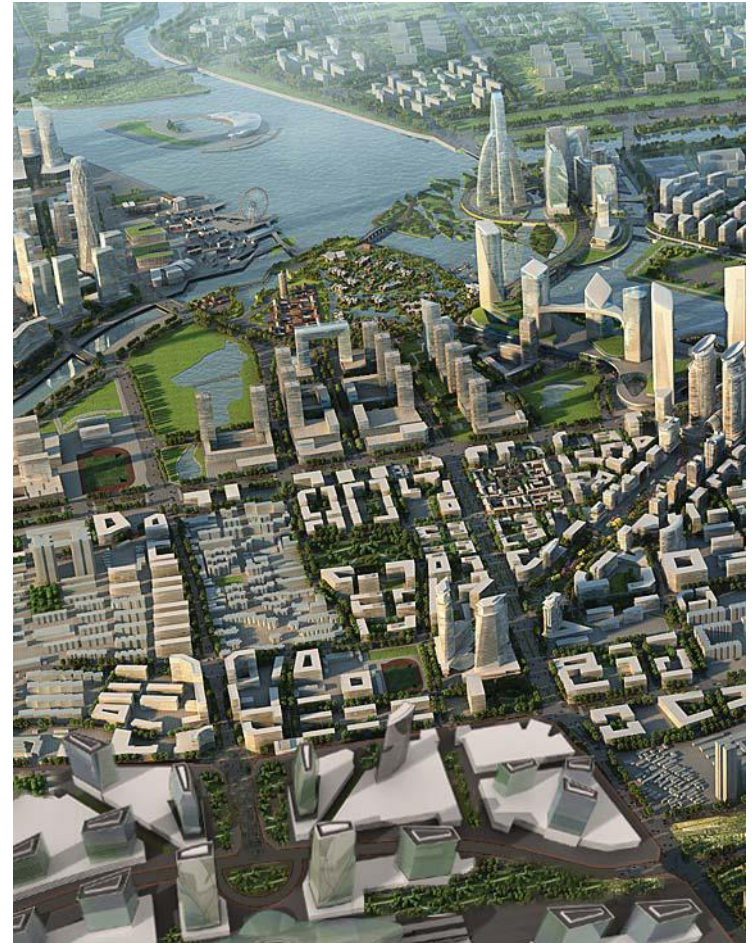
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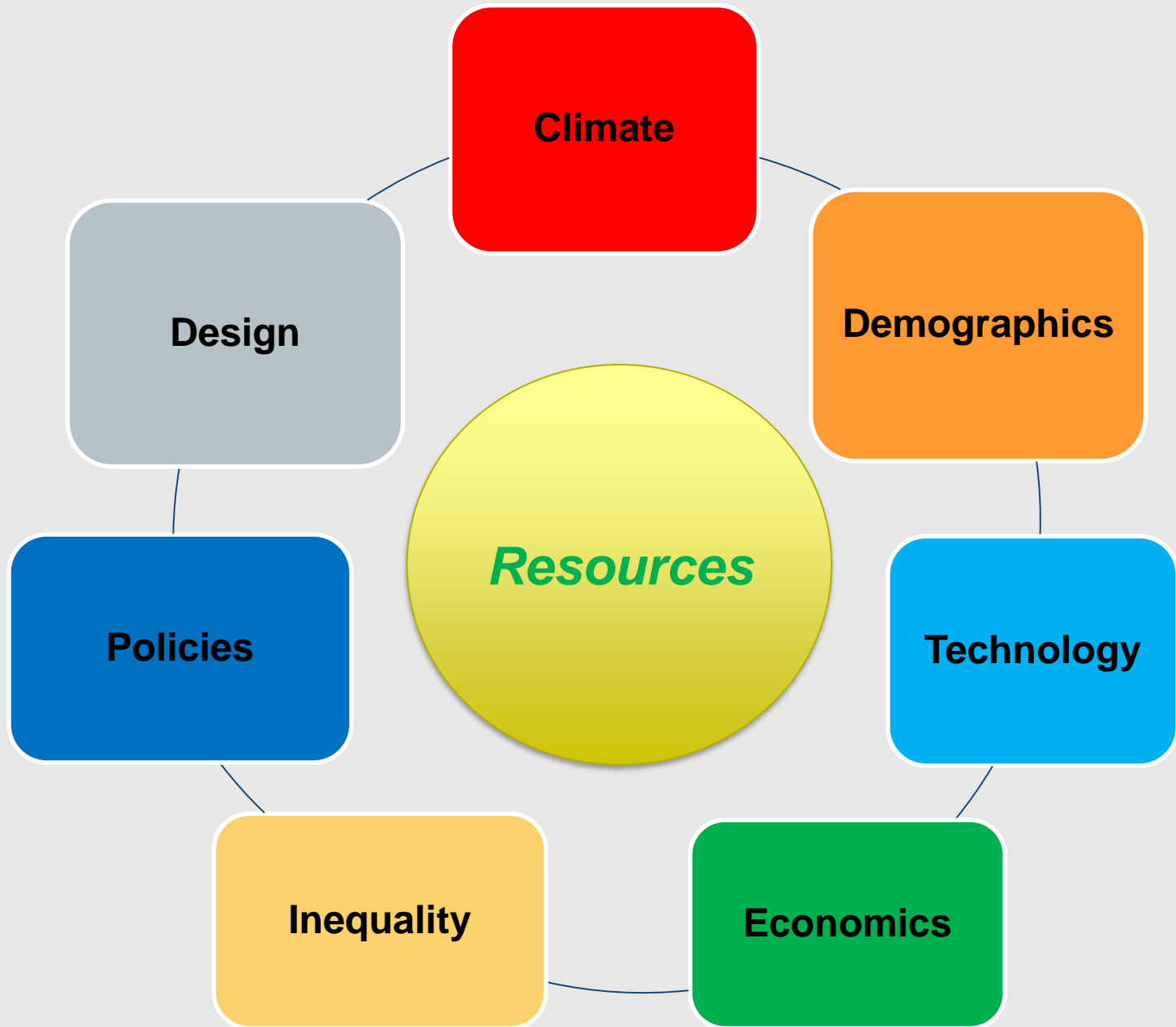
3.7 billion more people in cities =

456 New York Cities (7.6/yr)

or

1,496 Denver Metro Areas (25/yr)

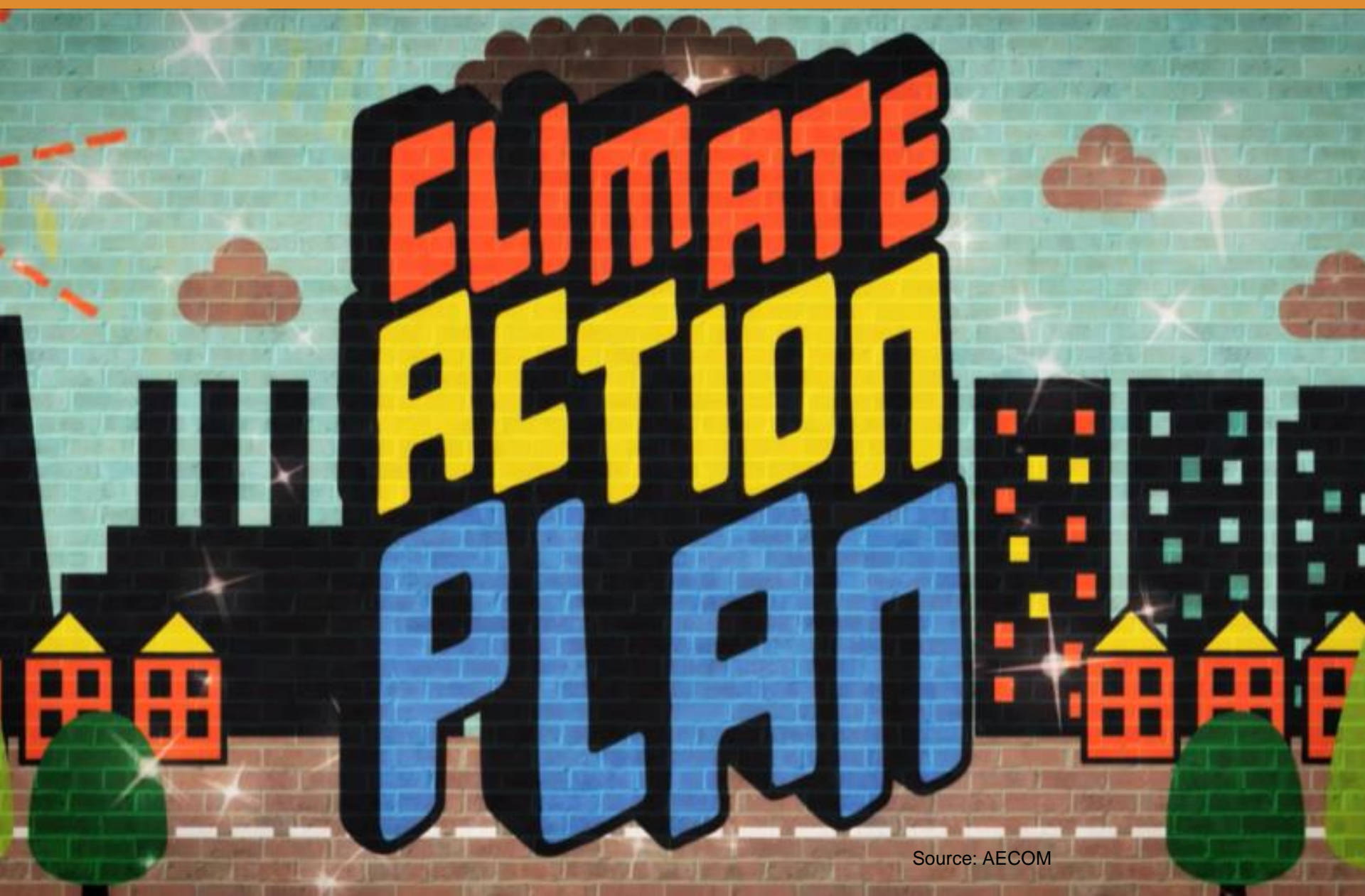




Access to Water – Too Much, Too Little, or Too Dirty

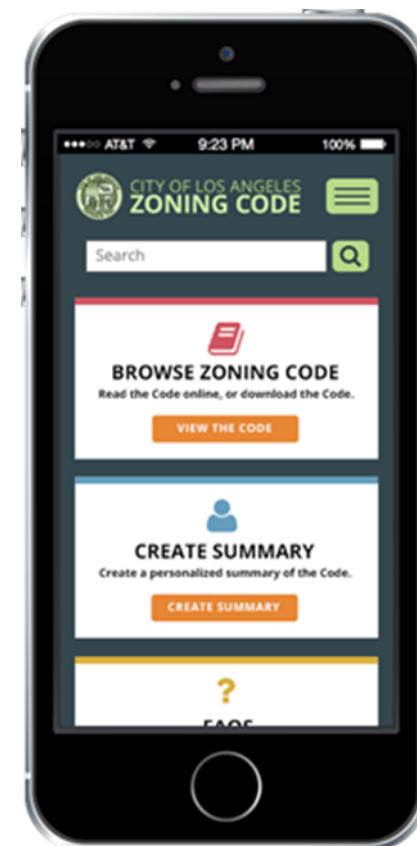
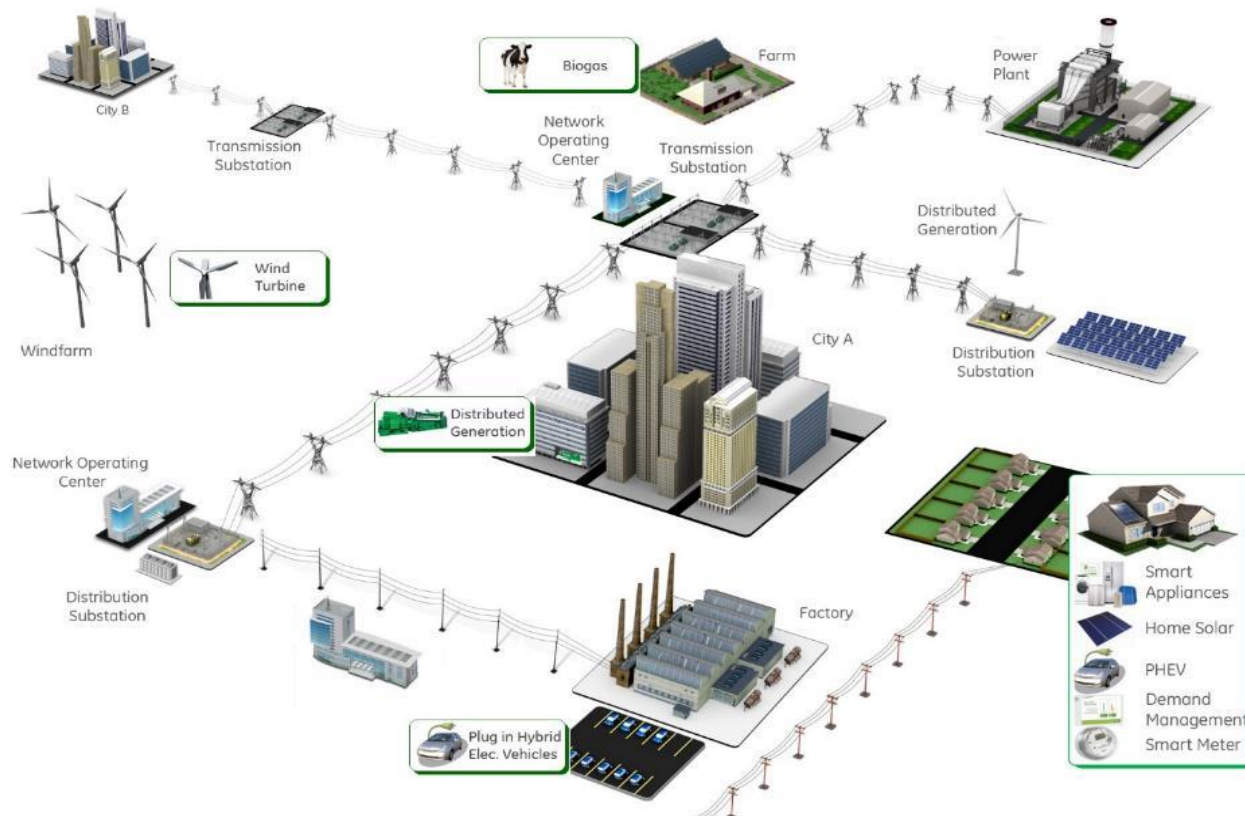


SUSTAINABILITY

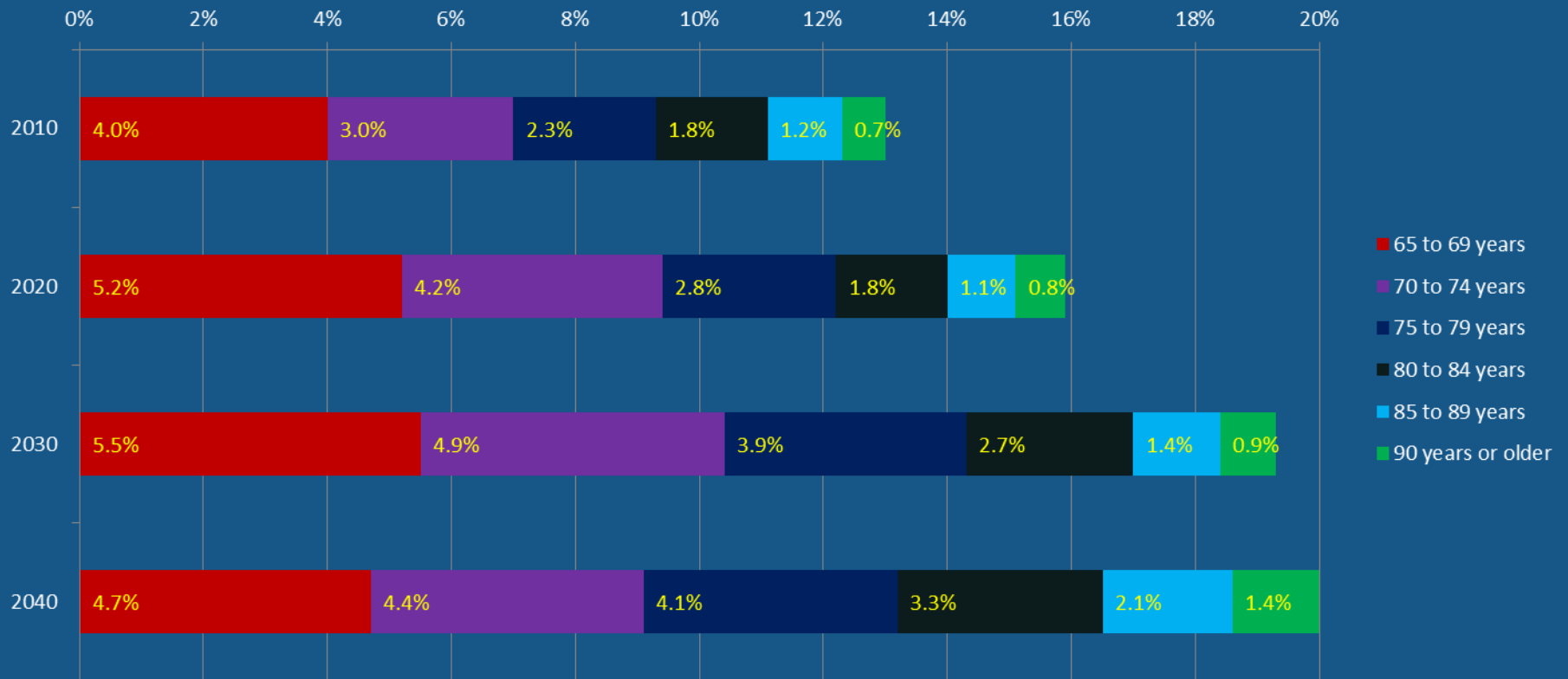


Source: AECOM

Smart Cities and Technology



Projected Proportion of U.S. Population by Age, 65 Years or Older





HEALTH


The Planning and Community Health Research Center advances plans and policies for improving the built environment to promote public health.

Planning and Community Health Research Center



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Anna Ricklin

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AICP

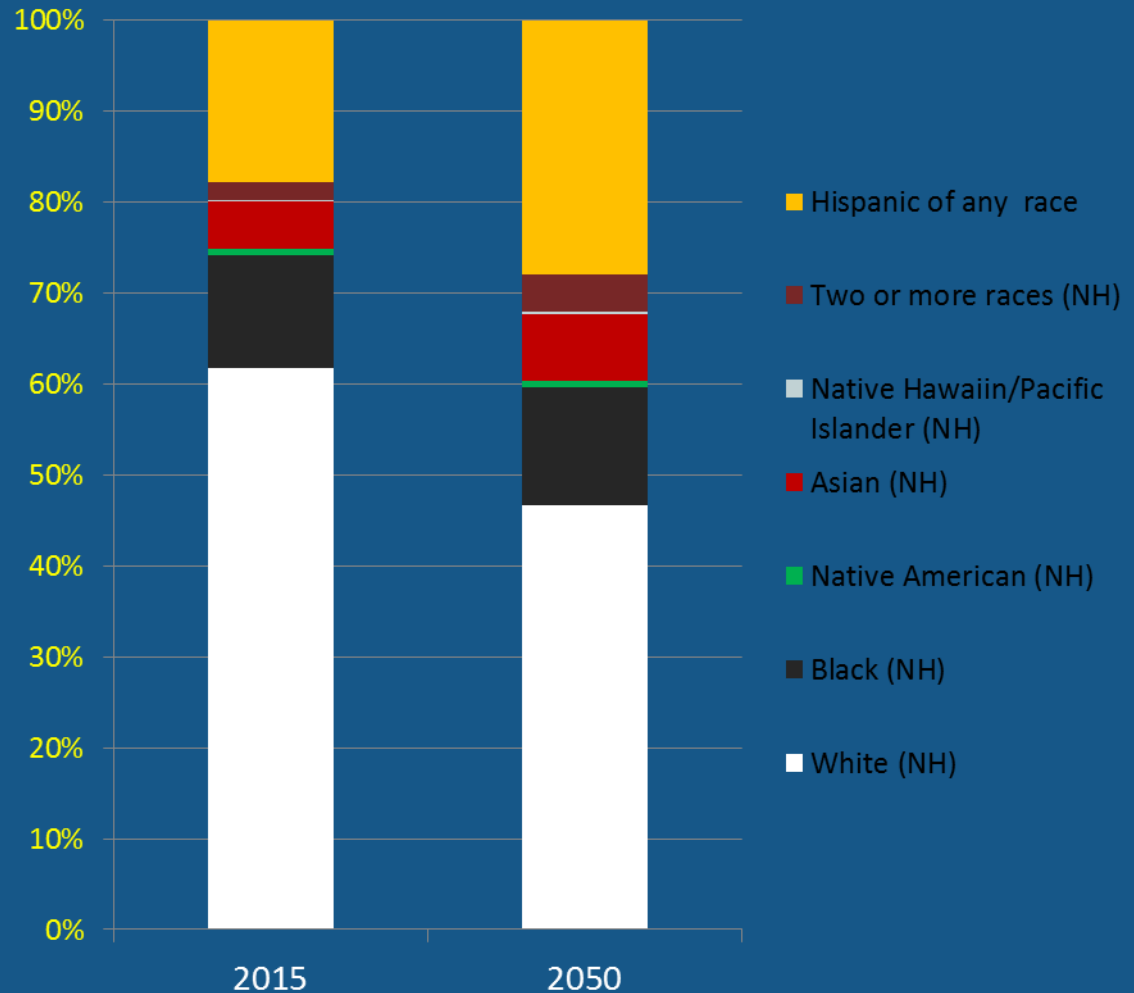
Building Healthy Environments and a Healthy Population



Changing Face, Changing Place



2015
Millennials – 92m
Gen X – 61m
BB – 77m





“The problem is we’ve got to plan for people who haven’t been born yet, with the support of people who will be dead.”

The Next Five Years –

US Pop 335m / World Pop 7.8b

Planning as
a partisan
issue?

Education &
income
inequality
between
regions

The politics
of what to
do?

Off-shoring
production &
pollution -
public health
issue

China, India
and regulating
air-quality
soon, before
it's too late –
& the US?

Where will
millennials live
when they
have families?

Will technology
enable or
disrupt
meaningful civil
discourse?

Education &
income
inequality
within regions

Divisiveness -
the impacts of
exclusion

The Next Five Years –

US Pop 335m / World Pop 7.8b

Effective response in
the immediacy of a
crisis or natural
disaster
(refugee/immigration,
superstorms)

Municipal
finance crisis -
pensions vs.
services - less
room for
planning

Water, water,
water

Rebuilding
from disasters

Immigration and
refugees – from
war, strife,
poverty, lack of
water

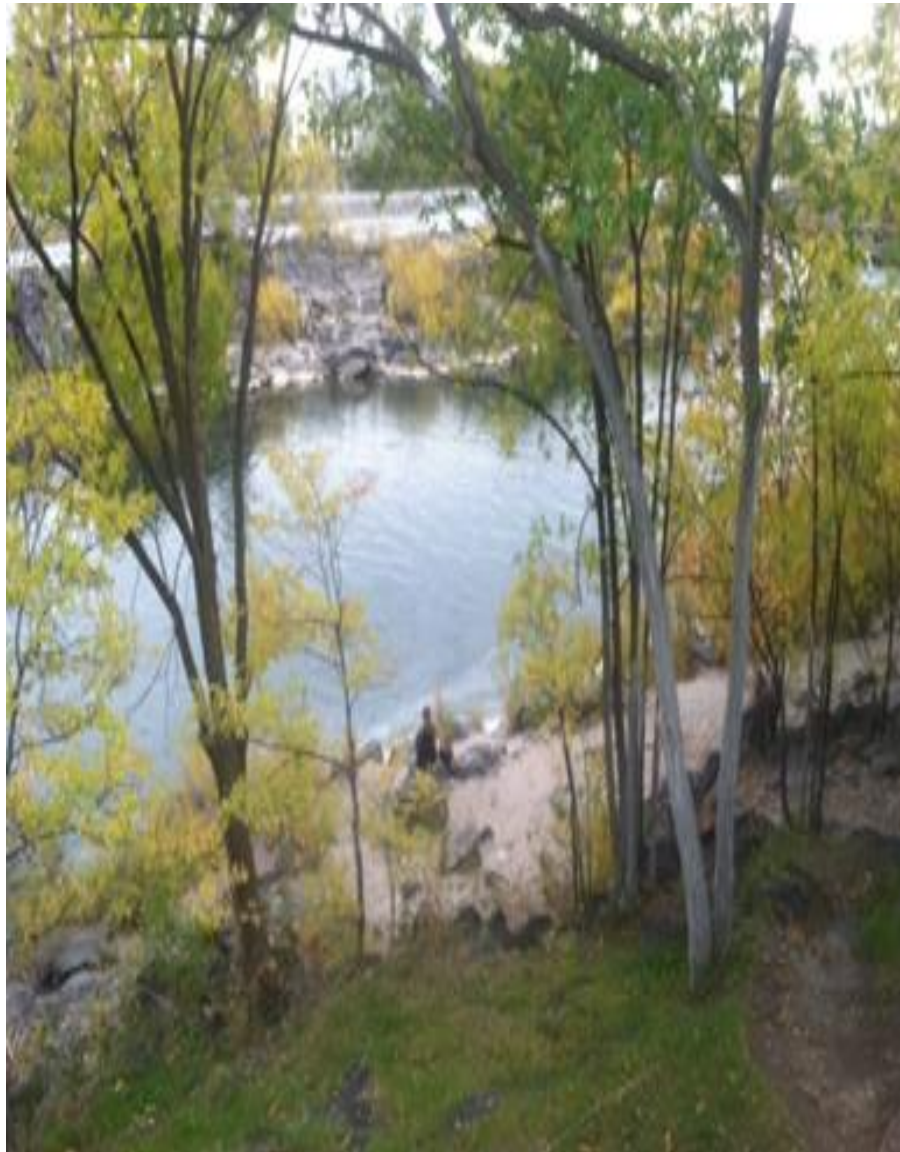
Technology,
civility, and
meaningful
public discourse,
or not

Impacts of
global security
on cities

Highway
capping in cities
(125 projects
underway now),
infrastructure
repair +
placemaking

Sharing
economy and
the built
environment

"The infusion of place-making into infrastructure is a gigantic ball of transformation that's rolling, at different speeds in different places."



“Transportation is becoming a service, not a product.”

Plan for Market Choices

Mobility Housing Community



The Next 20 Years

US Pop 370m / World Pop 8.8b

Shift from
ownership to
usership in
transportation

Is the public
transit industry
nimble enough
to adapt?

Impacts from
changing
technology on
the workplace

Drones & 3D
Planning

Global
migration of
population

Cities will be
where the
wealth is
concentrated

Technology -
thinning the
middle strata
of the labor
force

Bifurcation of
housing
market

The Next 20 Years

US Pop 370m / World Pop 8.8b

Demand for
multiple
benefits from
public
investment

More eco
communities

Autonomous
vehicles and
their effect on
spatial
planning

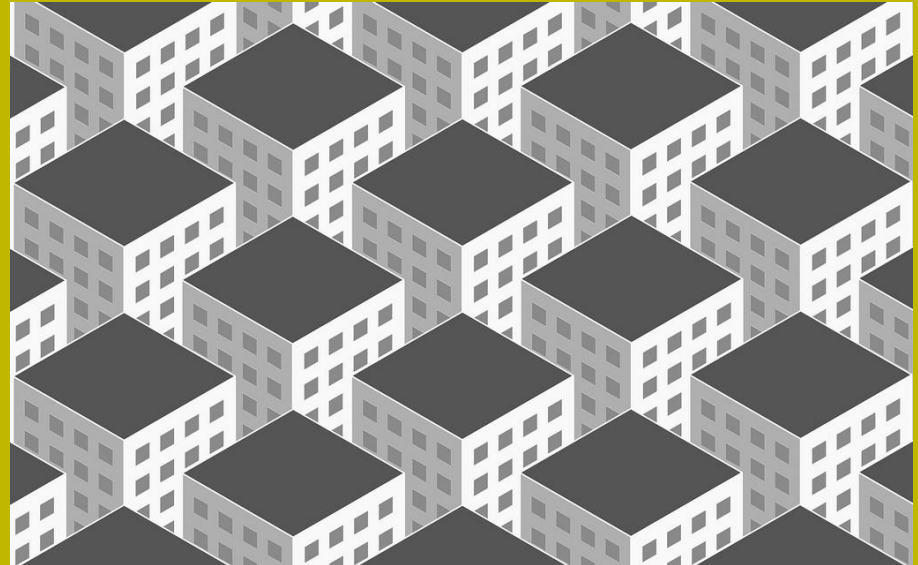
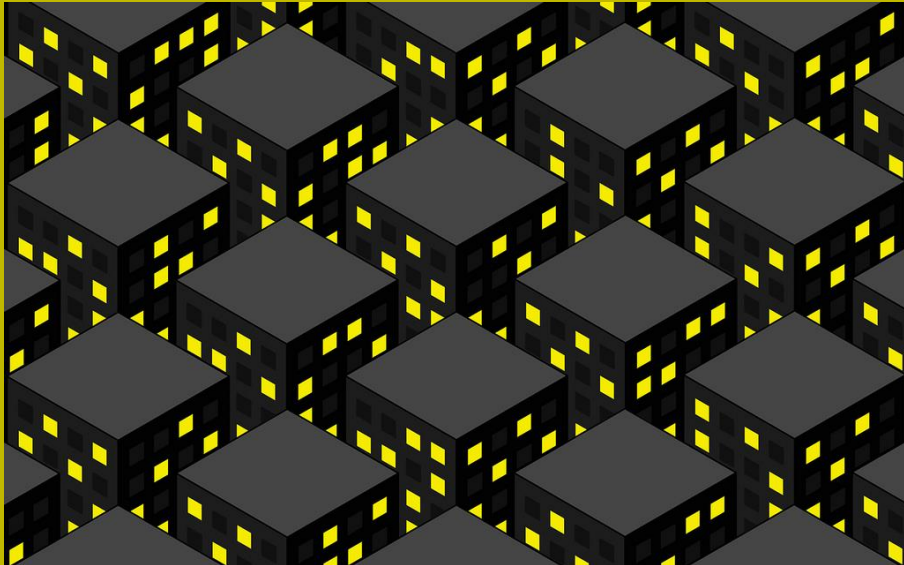
Big Data
feedback on
energy
consumption

The
regeneration
of the GI Bill
Communities

90% of growth
in the Global
South - major
migration to
cities

Climate
change and
geopolitical
shifts

“If we’re constantly competing for a limited amount of resources, and it’s a global competition, then we’re going to be doing more with less.”



The Next 20 Years

US Pop 370m / World Pop 8.8b

Wealth will
move toward
risk (shore/
beaches, and
open space)

Globally,
some cities
will grow
rapidly;

While other
cities will
slowly empty
out - Russia,
Korea, Japan

Successes'
externalities

In cities,
more mobility
choices;
purchasing
power
specialized

Worsening
inequality

Mass Transit
redefined -
working with
sharing
mobility &
technology

The Next 20 Years

US Pop 370m / World Pop 8.8b

Monopolies,
oligopolies
won't survive
the sharing
economy...

...maybe
even local
government
and transit

Evolution from
the Ownership
Society to the
Renter and
Sharing society

Technology
and smart
pricing

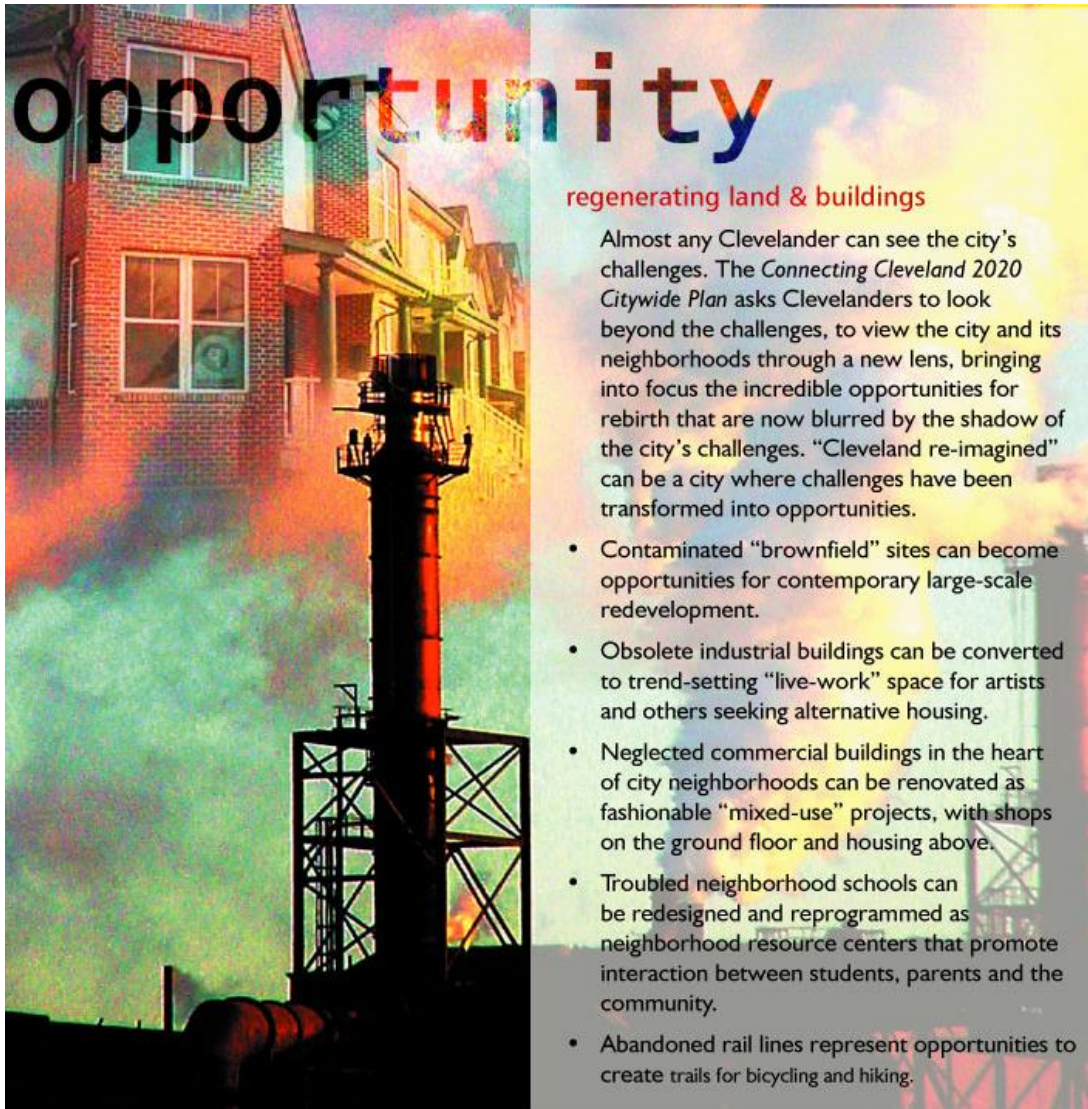
E-commerce's
impact on
commercial
development

Food Security
and the geo-
politics of
water

The impacts
of rising sea
levels will
become real

“The planning profession grew up in a long era of growth. We are not built for decline; for some cities, will it stop?”

Regenerating Cities



opportunity

regenerating land & buildings

Almost any Clevelander can see the city's challenges. The *Connecting Cleveland 2020 Citywide Plan* asks Clevelanders to look beyond the challenges, to view the city and its neighborhoods through a new lens, bringing into focus the incredible opportunities for rebirth that are now blurred by the shadow of the city's challenges. "Cleveland re-imagined" can be a city where challenges have been transformed into opportunities.

- Contaminated "brownfield" sites can become opportunities for contemporary large-scale redevelopment.
- Obsolete industrial buildings can be converted to trend-setting "live-work" space for artists and others seeking alternative housing.
- Neglected commercial buildings in the heart of city neighborhoods can be renovated as fashionable "mixed-use" projects, with shops on the ground floor and housing above.
- Troubled neighborhood schools can be redesigned and reprogrammed as neighborhood resource centers that promote interaction between students, parents and the community.
- Abandoned rail lines represent opportunities to create trails for bicycling and hiking.



Connecting Cleveland
2020 Citywide Plan

<http://planning.city.cleveland.oh.us/cwp/Economic>

As a shrinking city, Cleveland had to re-imagine itself as a city based on a new form of sustainability.

“Will Millennials in
their 60s be like
me?”

The Next 50 Years

US Pop 441m / World Pop 10.4b

Genomics
influencing
community
choices &
design

Impact on
open space,
human
health, and
psychology

Will
technology
make cities
unnecessary?

The
redesigned
street &
streetscape

On-call,
hydrogen
autonomous
vehicles



The Next 50 Years

US Pop 441m / World Pop 10.4b

Re-emerged
Detroit, Toledo,
and Cleveland

Mosaic
cities rather
than
integrated,
pluralistic
cities

Shrinking
cities in Asia

More and
more poly-
centric cities

Big
infrastructure -
Maglev, flood
gates, water
storage,
aerotropolis

Ghost beach
towns

Africa - the
Asia of the
future

Equatorial
regions hotter,
northern
regions more
temperate -
people will
move back

The Next 50 Years

US Pop 441m / World Pop 10.4b

The 21st Century
is about
differentiation - will
housing and
communities
reflect that?

Digital Age of
consumption
may replace
the Material
Age of
consumption

4D printing of
custom
manufactured
housing

Land bridges
to move
autonomous
trucks - like
bike bridges

Wealth and
power
distributed
more broadly
- China and
India

More
individualized
society &
space

Cooperative
housing and
support for
aging
population

The Next 100 Years

The First
Planned
Community &
Zoning Code
on Mars



Source: www.universetoday.com

**“The practice of
planning is going to
have to change.
How?”**

**“What Do You
Think?”**



American Planning Association

Making Great Communities Happen

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