Emerging Trends...the next 5, 20 and 50 years?
The new urban world

The world is experiencing a demographic revolution: for the first time in history, more than half of the population will be living in cities. These 3.3 billion people are expected to grow to 6.6 billion by 2050 – this unique map of the world shows where those people live now.

**US**
- Urban population in millions: 246.2
- Urban percentage: 81%

**Mexico**
- Urban population in millions: 84.392
- Urban percentage: 77.7%

**Brazil**
- Urban population in millions: 162.6
- Urban percentage: 85%

**China**
- Urban population in millions: 559.2
- Urban percentage: 42%

**India**
- Urban population in millions: 329.3
- Urban percentage: 29%

**Indonesia**
- Urban population in millions: 114.1
- Urban percentage: 50%

**World's urban population**
- Total: 3,307,950,000
- From a total of 6.6 billion people
2065?

10.4 billion global population

67% urban =

7.0 billion global urban population

or

3.7 billion more people in cities =

456 New York Cities (7.6/yr)

or

1,496 Denver Metro Areas (25/yr)

Source: AECOM
Access to Water – Too Much, Too Little, or Too Dirty
Smart Cities and Technology
Projected Proportion of U.S. Population by Age, 65 Years or Older

Source: U.S. Census Bureau, *The Next Four Decades: The Older Population in the United States, 2010 to 2050*
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
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?

Education & income inequality within regions

Divisiveness - the impacts of exclusion

Where will millennials live when they have families?

Will technology enable or disrupt meaningful civil discourse?
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)
- Water, water, water
- Rebuilding from disasters
- Technology, civility, and meaningful public discourse, or not
- Immigration and refugees – from war, strife, poverty, lack of water
- Highway capping in cities (125 projects underway now), infrastructure repair + placemaking
- Sharing economy and the built environment
- Municipal finance crisis - pensions vs. services - less room for planning

Impacts of global security on cities
"The infusion of placemaking 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?
- Cities will be where the wealth is concentrated
- Global migration of population
- Technology - thinning the middle strata of the labor force
- Impacts from changing technology on the workplace
- Bifurcation of housing market
- Drones & 3D Planning

US Pop 370m / World Pop 8.8b

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The Next 20 Years
*US Pop 370m / World Pop 8.8b*

- Demand for multiple benefits from public investment
- Autonomous vehicles and their effect on spatial planning
- Big Data feedback on energy consumption
- The regeneration of the GI Bill Communities
- More eco communities
- 90% of growth in the Global South - major migration to cities
- Climate change and geopolitical shifts

**The Next 20 Years**

US Pop 370m / World Pop 8.8b
“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

Globally, some cities will grow rapidly; wealth will move toward risk (shore/beaches, and open space)

In cities, more mobility choices; purchasing power specialized

Successes’ externalities

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

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...
- Food Security and the geopolitics of water
- The impacts of rising sea levels will become real
- E-commerce's impact on commercial development
- Technology and smart pricing
- Evolution from the Ownership Society to the Renter and Sharing society
- ...maybe even local government and transit

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

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The Next 50 Years
US Pop 441m / World Pop 10.4b

- Re-emerged Detroit, Toledo, and Cleveland
- Mosaic cities rather than integrated, pluralistic cities
- Ghost beach towns
- Shrinkmg cities in Asia
- More and more poly-centric cities
- Africa - the Asia of the future
- Big infrastructure - Maglev, flood gates, water storage, aerotropolis
- 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?
- 4D printing of custom manufactured housing
- Land bridges to move autonomous trucks - like bike bridges
- More individualized society & space
- Cooperative housing and support for aging population
- Wealth and power distributed more broadly - China and India
- Digital Age of consumption may replace the Material Age of consumption
- The Digital Age of consumption may replace the Material Age of consumption
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?”
William Anderson, FAICP, former APA President
Director, City & Regional Planning, AECOM Americas
william.anderson3@aecom.com