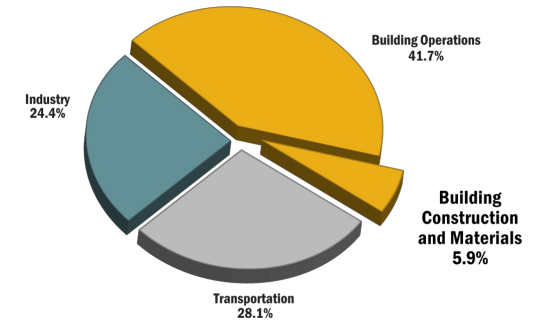
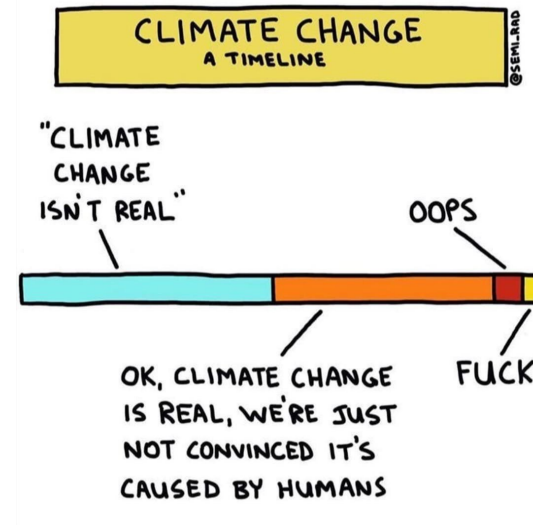
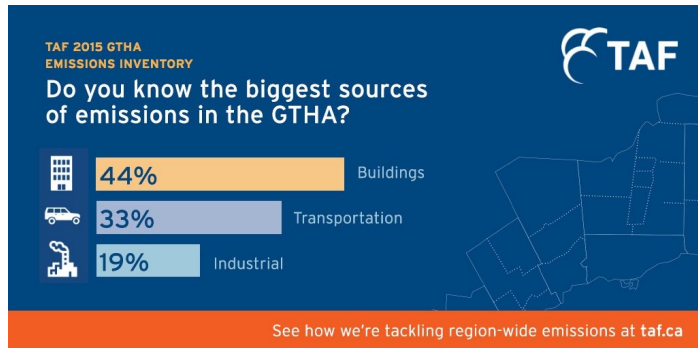


# The role of Architects

## Integrating Renewables & Energy Efficiency

- Buildings last (forever)
- Cultural expressions of what we value
- Stand still, measurable, maintainable
- Sequester, generate, renew
- Existing technology



U.S. Energy Consumption by Sector  
Source: ©2013 2030, Inc. / Architecture 2030. All Rights Reserved.  
Data Source: U.S. Energy Information Administration (2012).

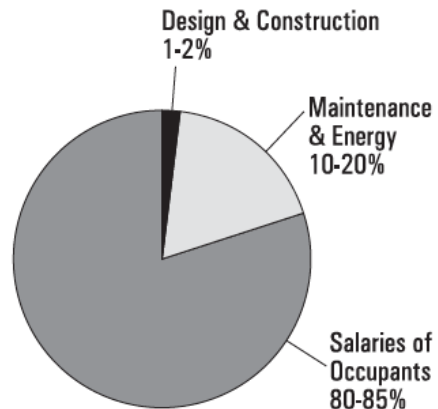
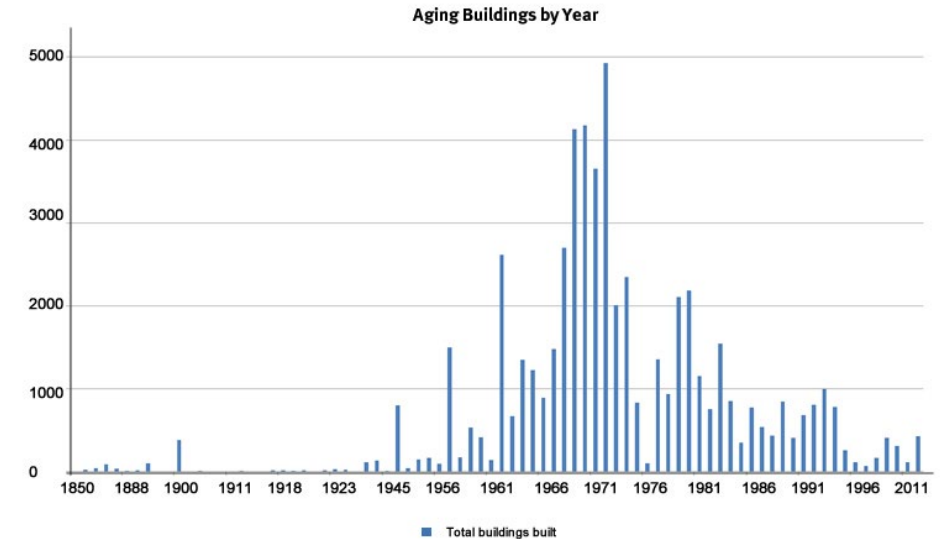
#procurement  
#architectscanhelp  
#architecturematters



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# Better output needs better input

- Architecture is a Service
- Architecture has Lasting Impact
- Decisions today affect Society for Generations
- What/how we buy is representative of what we value



.... [if] an architect's services were 10% of the total design and construction cost; therefore, architect's fees can be as low as 0.1 percent of the lifecycle costs for owning and operating a facility. This is an inappropriate place to cut costs, particularly when the savings through good design can be significant over the lifecycle of a building.

#procurement  
#architectscanhelp  
#architecturematters

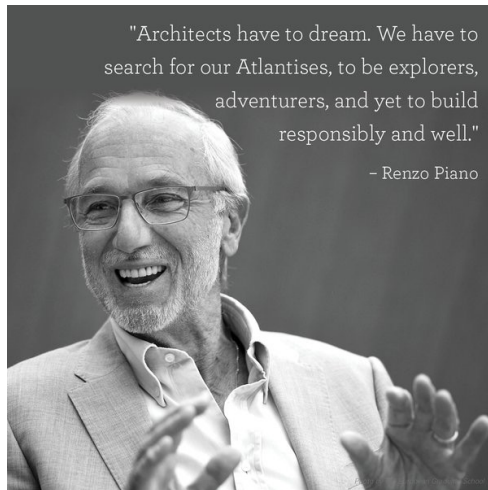
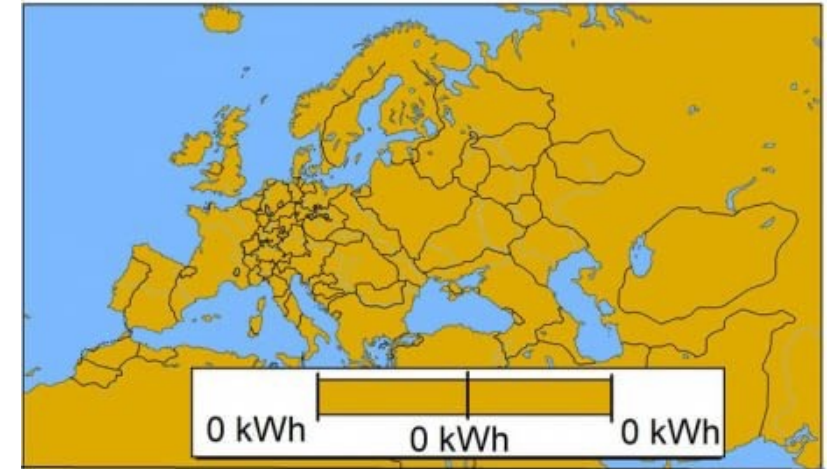


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# Cities are key

- Largest cities home to 80% of population
- Share data (C40 Cities)
- Architecture is Political Activism
- We need to aspire to greatness

Electricity consumption in Europe in 1507



We have **potential** here  
in **Canada** to be able to  
**transcend** to a **higher**  
**level** of architecture.

*Raymond Moriyama (2014)*

The **truth** about a city's  
aspirations isn't found in  
its **vision**.  
It's found in its **budget**.

TODERIAN UrbanWORKS

#procurement  
#architectscanhelp  
#architecturematters



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