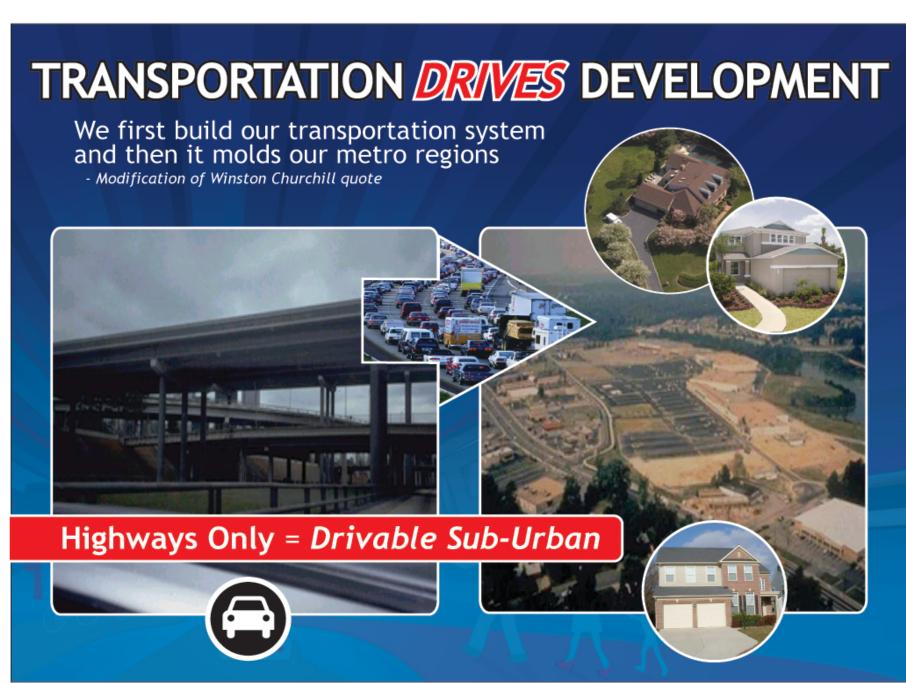


#### built environment vs

#### u.s. assets

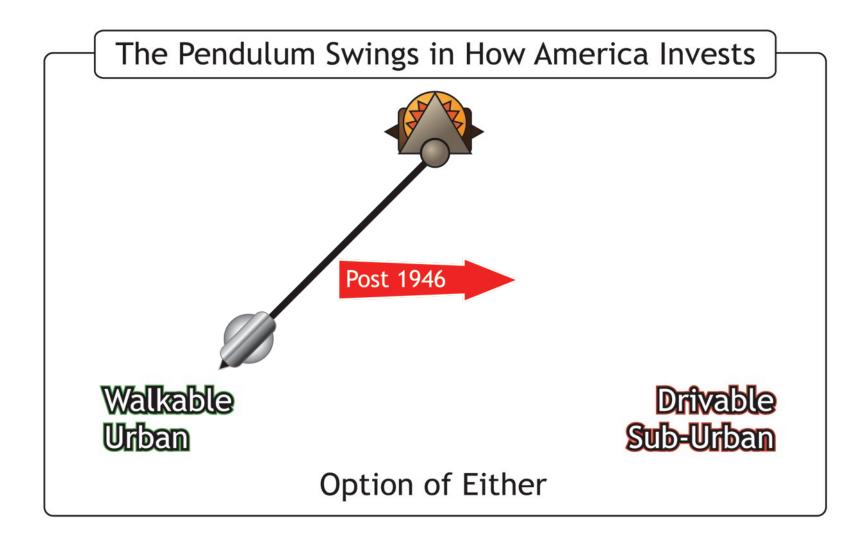
\* Source: Roulac Global Places, LLC







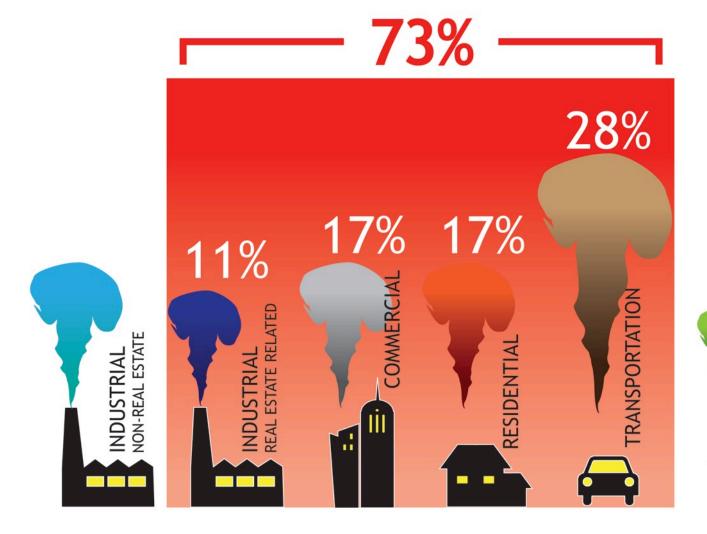
#### only two general ways to build the built environment







## built environment's greenhouse gas emissions & energy usage

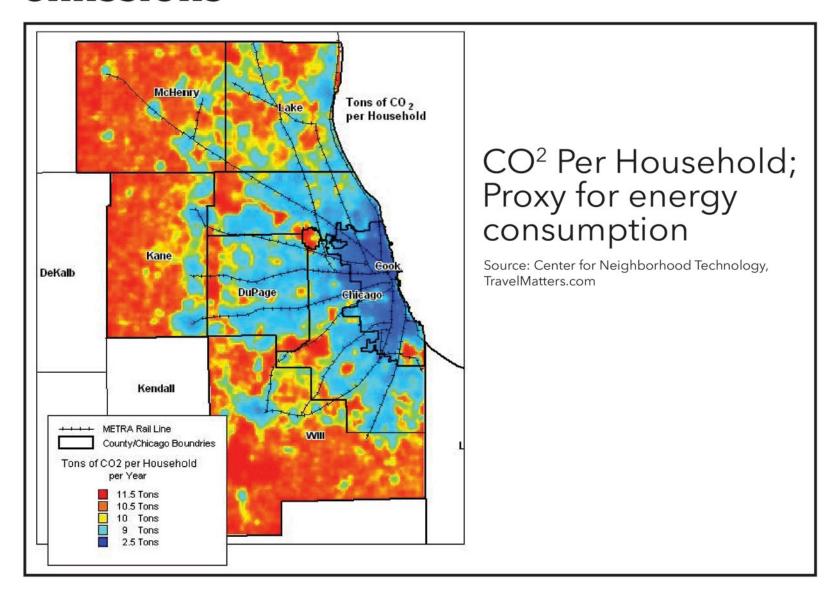




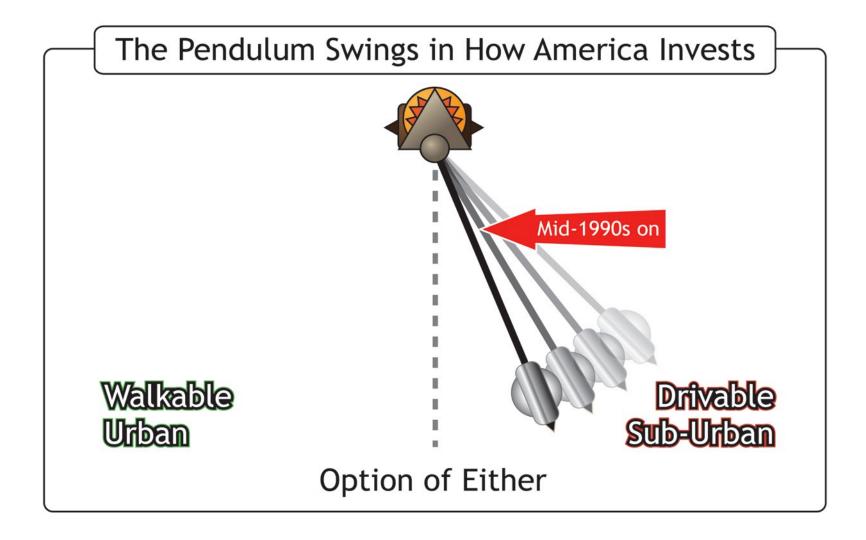




### regional carbon **emissions**

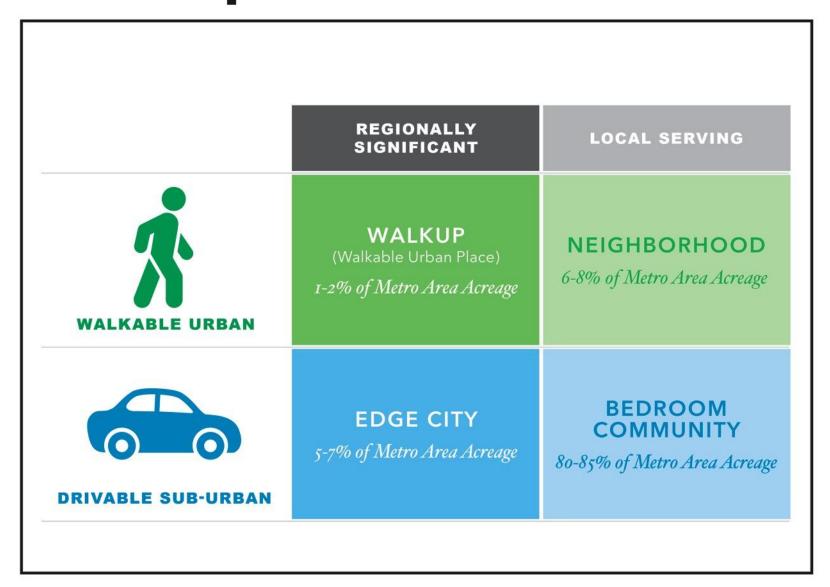


#### the beginning of another structural shift





#### u.s. metropolitan land use options



# the 6 types of walk ups







# the 6 types of walk ups







# Arlington Starts Transforms in 1980s: Rail Transit, Overlay Zoning & Mgmt

1980s: Ex-Sears Stores

Same Place Today





Two blocks north and south, single family housing that is highest priced in Arlington on \$/foot basis: Best of Two Worlds

10% of the land=50%+ of government revenues

Among best schools in Country...new housing has 0.4 per unit

#### Downtown White Flint, MD



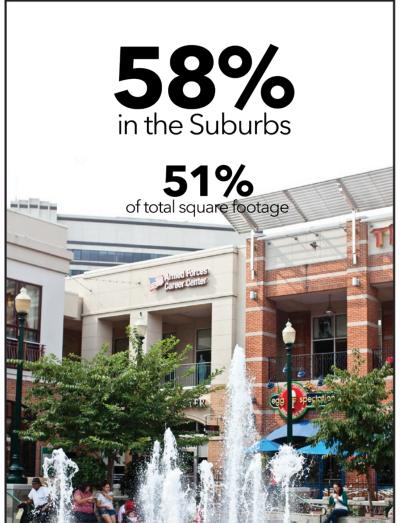




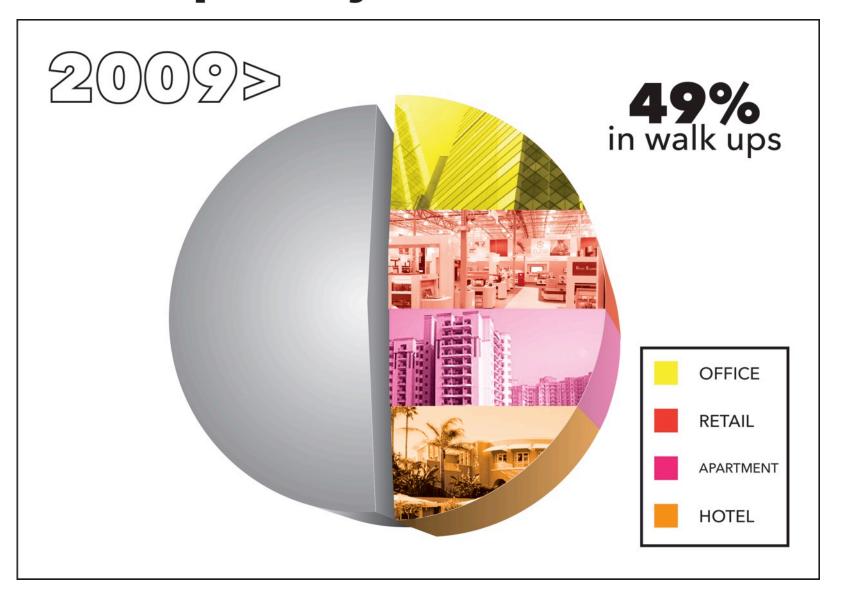


#### walk ups: district vs suburbs

**42%** in the District of Columbia **49%** of total square footage



# the 4 income property catagories over the past 3 cycles







## average office rent for walk ups



68% of rents generated by Walk UPs

## values of for-sale housing in walk ups



771% higher persq.ft.



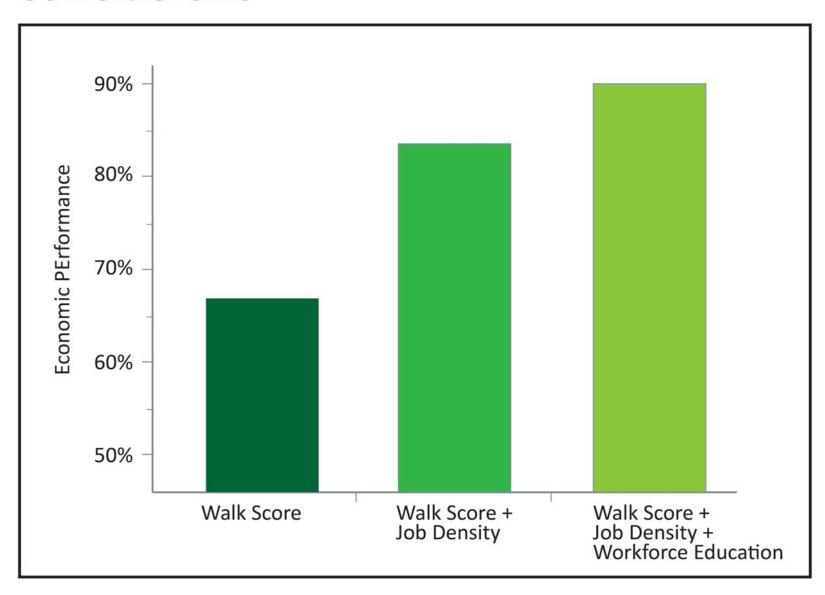
## average performace by economic level

Walk Score: +6.22 points +\$7.28/square foot annually Office rent: **Retail rent:** +\$6.71/square foot annually Rental apartment rent: +\$6.22/square foot annually For-sale housing price +\$113/square foot PLATINUM **WALK SCORE:** GOLD **WALK SCORE:** 86-92 **SILVER WALK SCORE:** 78-85 **COPPER WALK SCORE:** 70-77





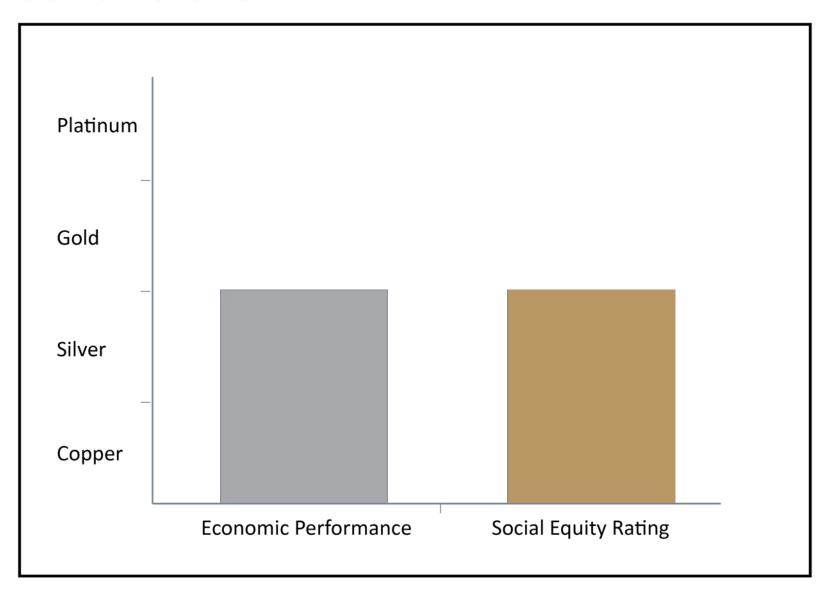
#### economic conclusions







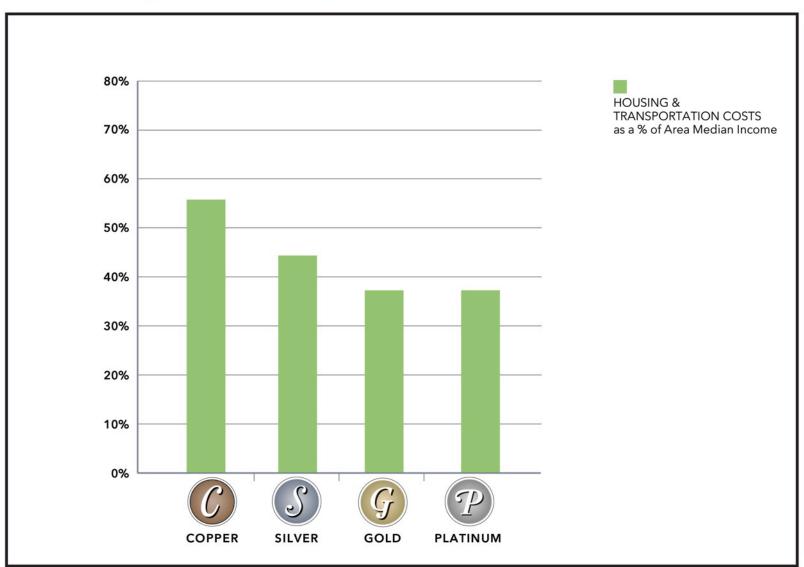
### social equity conclusions



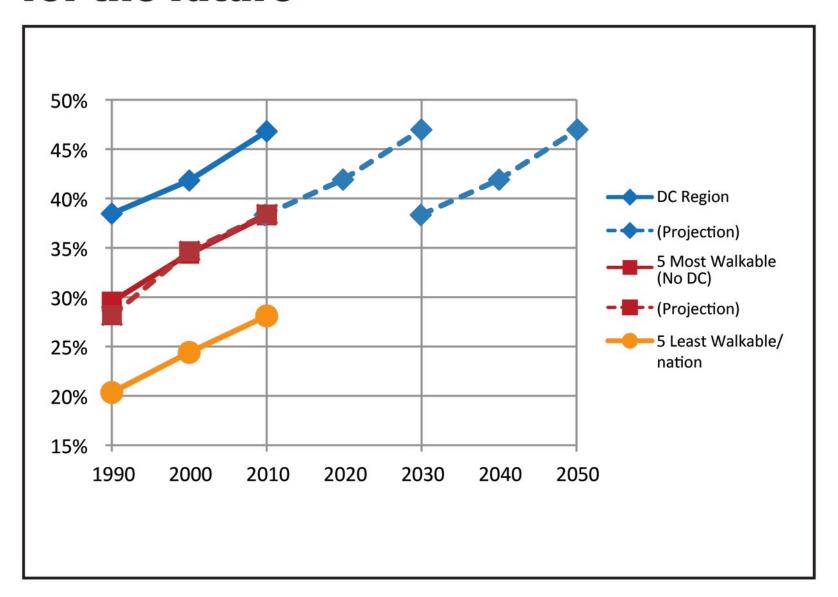




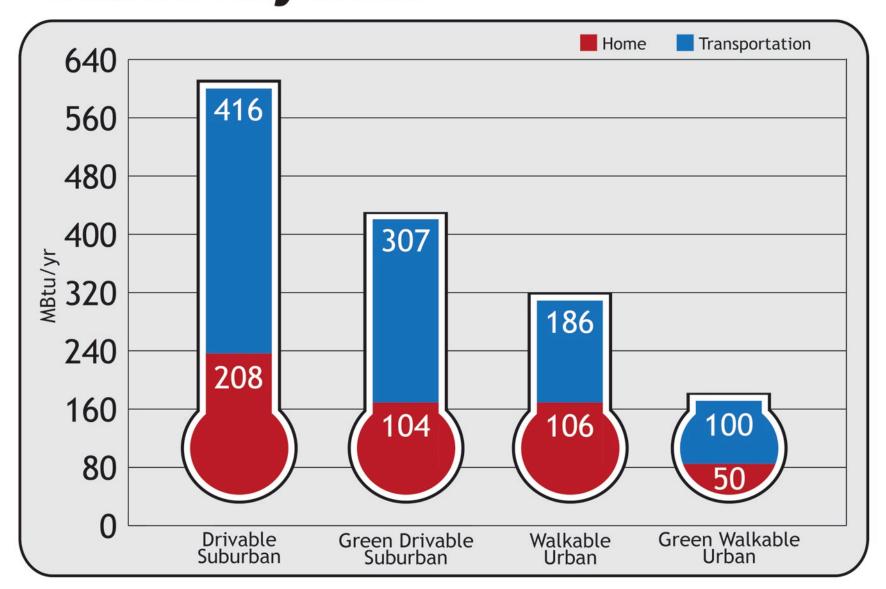
# social equity housing & transportation costs



#### metro dc as model for the future



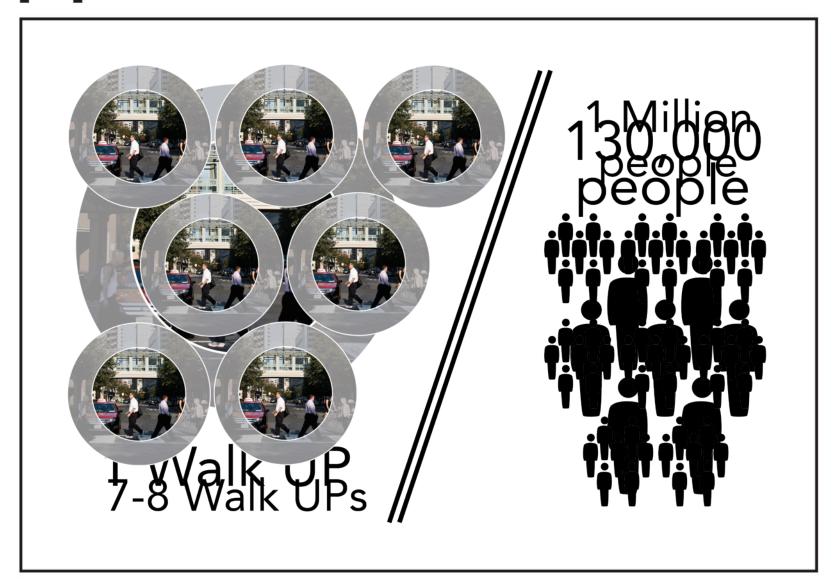
#### how we build matters very much







#### walk ups vs population

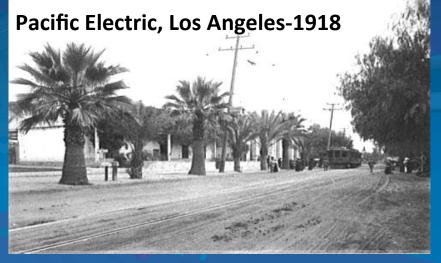


#### How Our Ancestors Paid for Rail **Transit**

Rock Creek Railway, DC, 1903

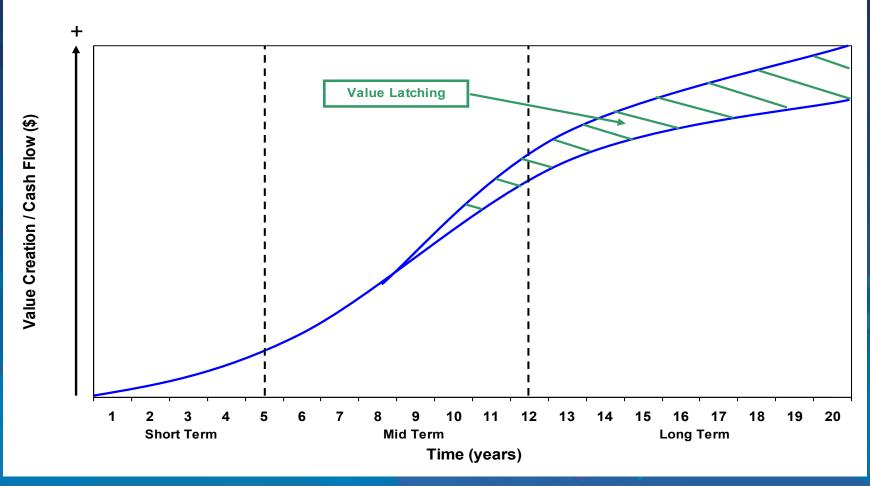




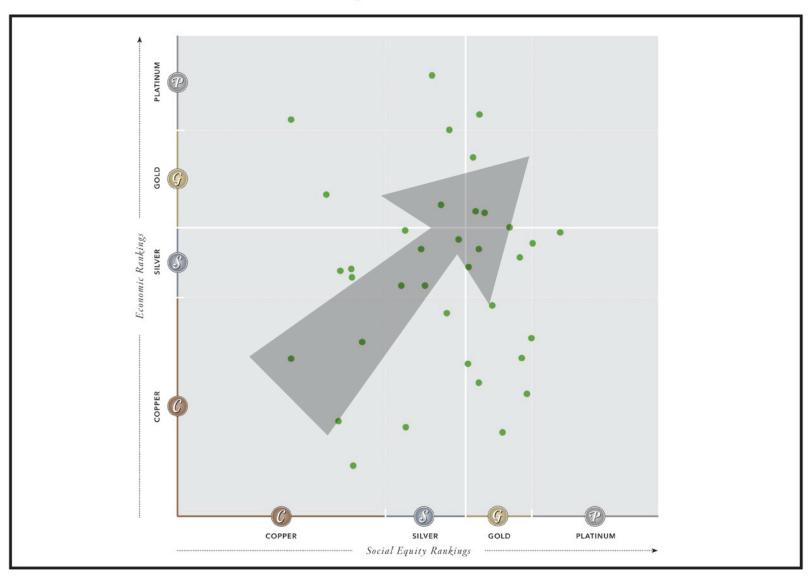


# Housing

PUBLIC (TIF) & PRIVATE



# social equity vs economic rankings







#### for today and in the future...



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- The Option of Urbanism; Investing in a New American Dream, Island Press, 2008
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