

Economic Impacts of Climate Action: Beyond Jobs

Climate Mitigation Work Group April 25th, 2016

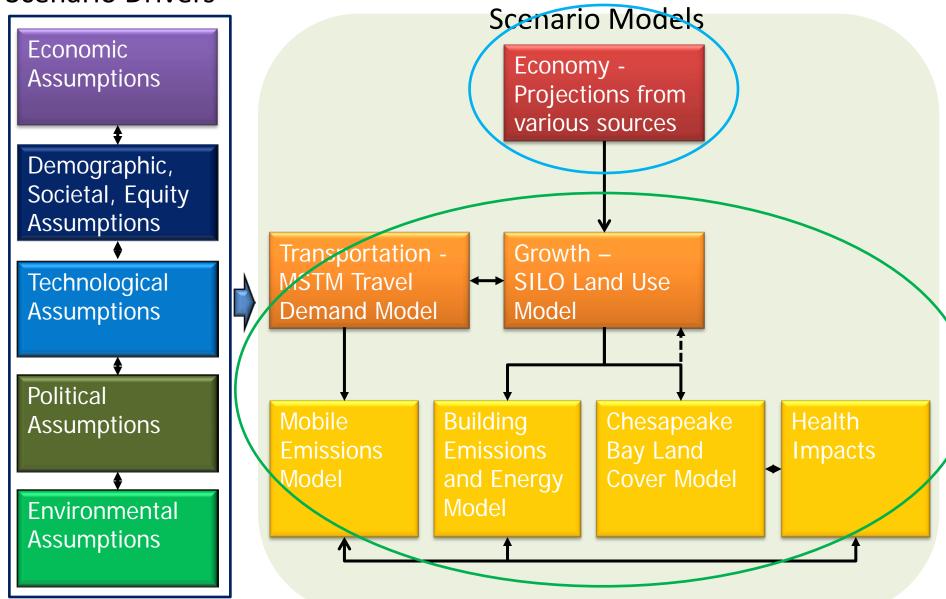
Gerrit Knaap and Dan Engleberg National Center for Smart Growth

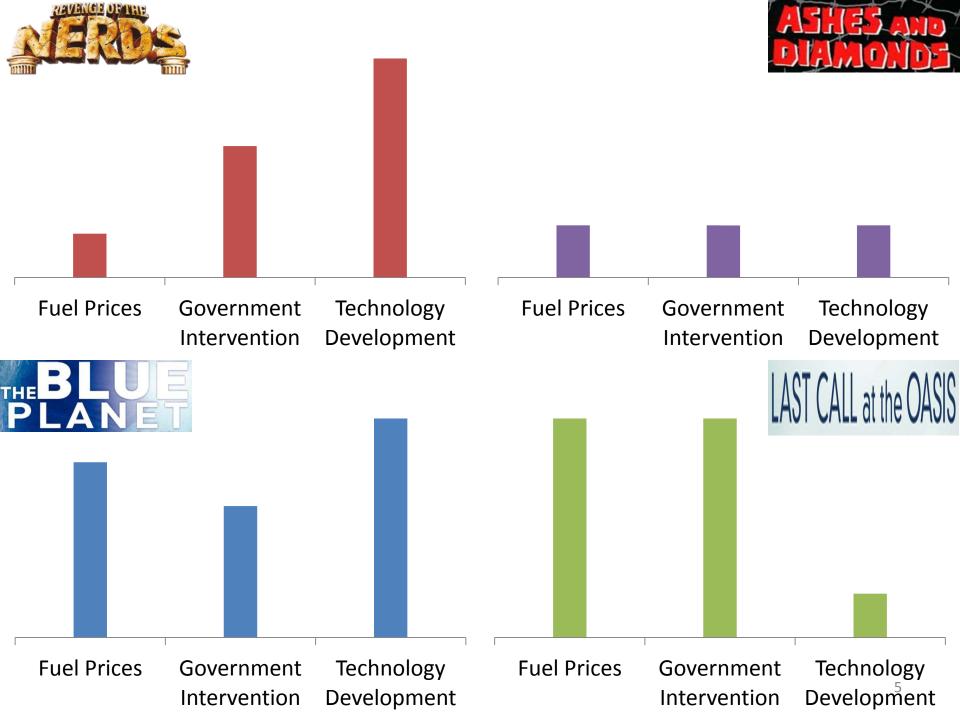


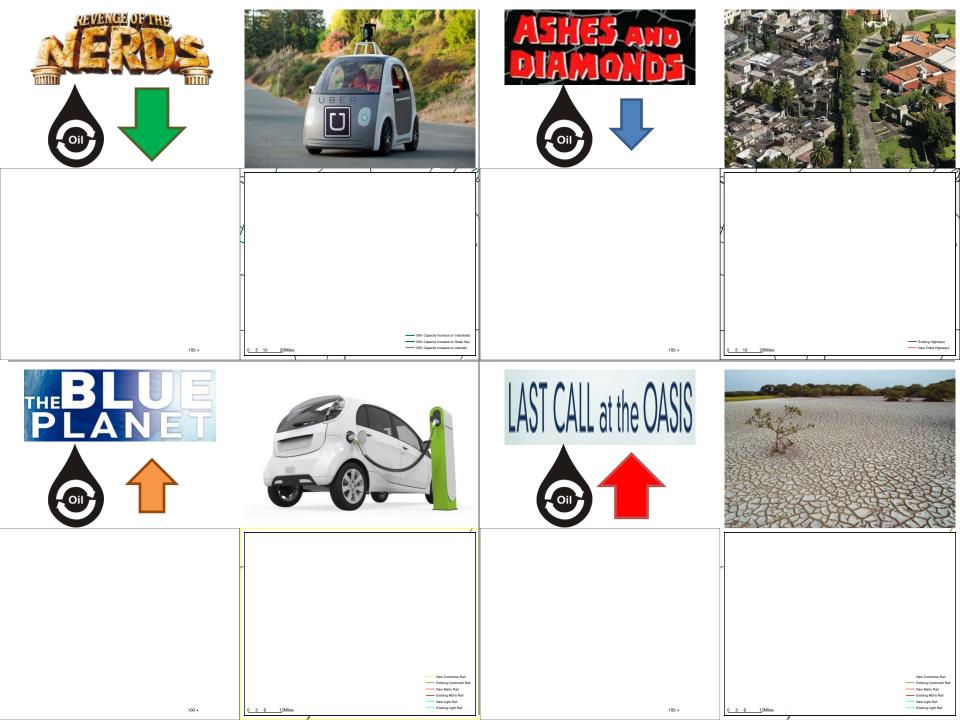
THE PRESTO TOOLS AND SCENARIO APPROACH

Economic Impacts Goes Beyond Jobs

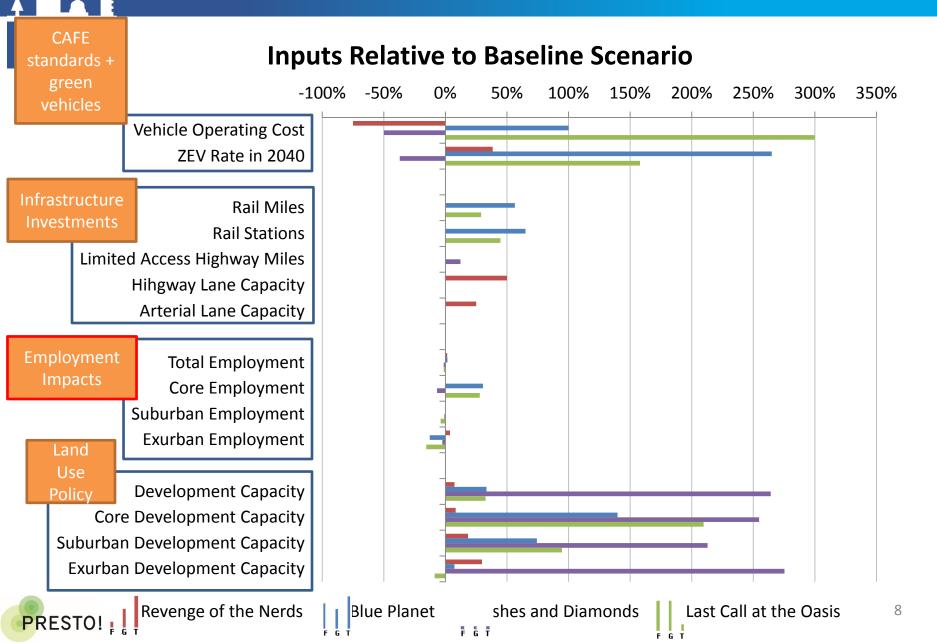
Scenario Drivers



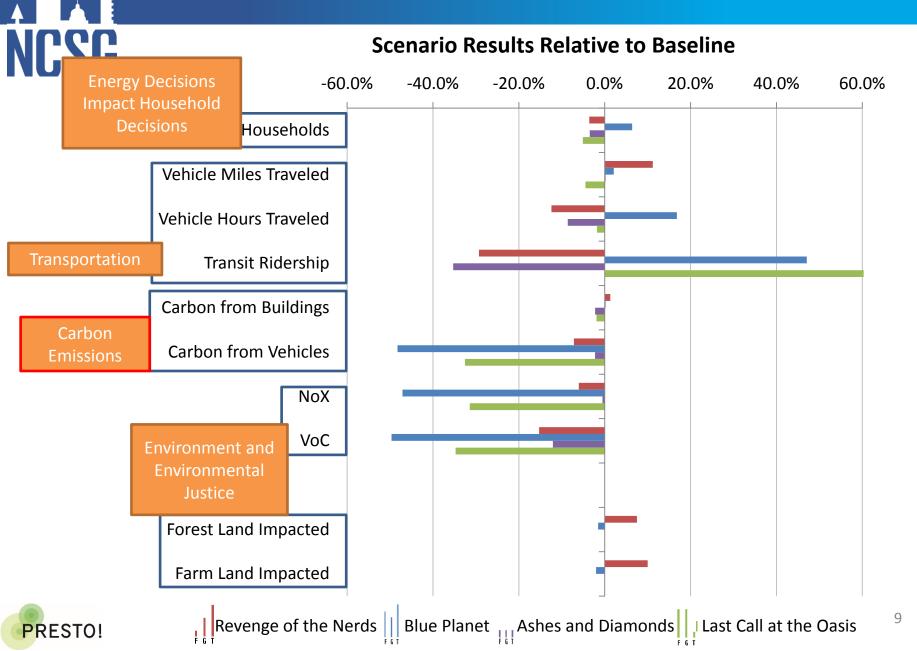




Employment part of the picture



Carbon Emissions Not the Only Impact



Energy Burden at the Household Level

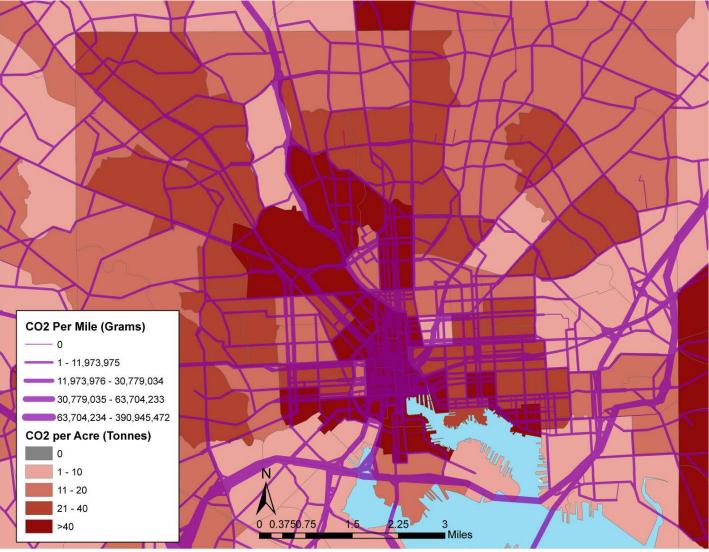


PRESTO!

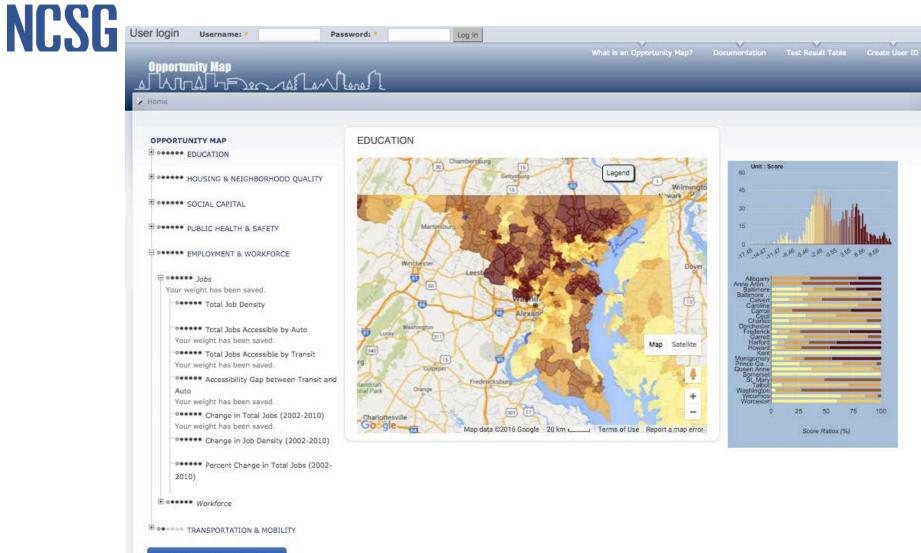
Environmental Justice is a Spatial Issue

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PRESTO!

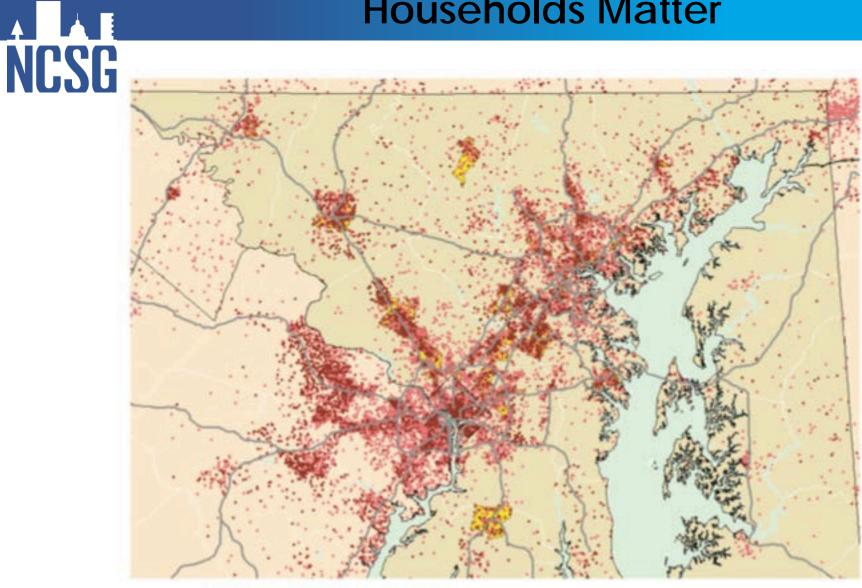


How Do Climate Policies Reshape the Geography of Opportunity?



Submit your maps with comments

The Location of New Jobs and Households Matter



- 1 Dot = 300 Employment in 2007
- 1 Dot = 300 New New Employment in 2030
- Employment Centers

PRESTO!



Concluding Comments

- Integrated and spatially explicit models have improved our ability to analyze the impacts of climate change and climate policy dramatically
- Climate change and climate policy has the potential to alter the growth rate and structure of the local economy and how income is distributed among its participants.



NCSG

Concluding Comments

- Many economic and equity issues, however, are placed based and locally specific.
- Addressing these issues will require spatially explicit models and analysis.



NCSG

NCSG Work on Equity and Economy

• PRESTO

NCSG

- (http://smartgrowth.umd.edu/PReSTo.html)
- Sustainable and Equitable Economic Development
 - (http://smartgrowth.umd.edu/SEED.html)
- The Geography of Opportunity
 - (http://smartgrowth.umd.edu/oppmapinfo.html)

