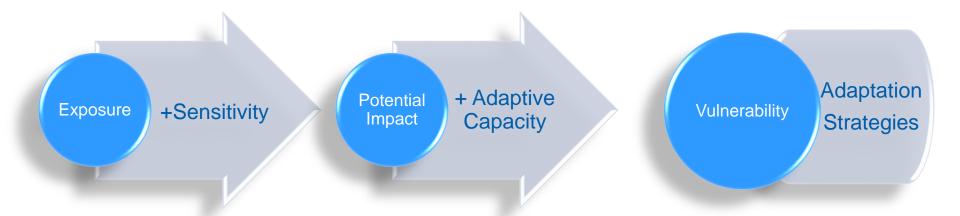
Climate Vulnerability Assessment (CVA) Community Development Committee

Eric WojchikSenior Planner, Local Planning Assistance



The CVA Process



Climate impacts related to:

- Water Floodways and Localized Flooding
- Temperature Urban Heat Island





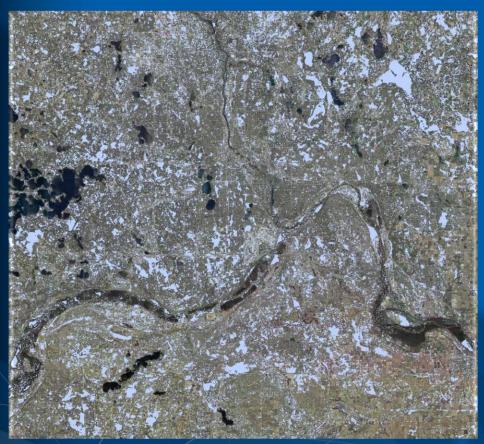
Minneapolis
City of Lakes

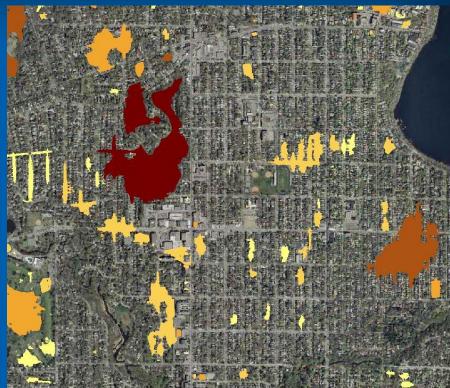






BlueSpot Flood Map







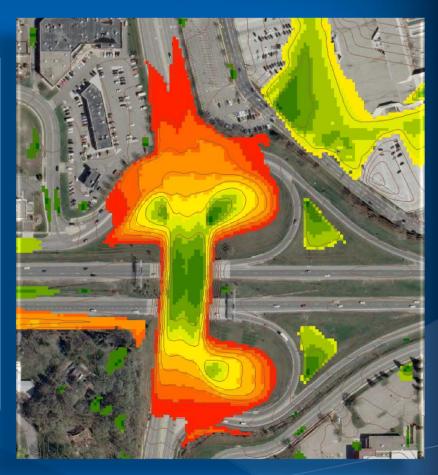
Flooding

Flash flood traps cars under Roseville underpass (PHOTO)

BY MIKE MULLEN

TUESDAY, JULY 5, 2016 AT 7:51 P.M.







Extreme Heat

Vegetation



Impervious Surfaces



Residual Heat



Building Landscapes



Landscape vulnerability to heat: Impervious cover and vegetation Landscape vulnerability to heat Highest landscape vulnerability to heat Lowest landscape vulnerability to heat Cartographer: Gordy Moore Date: Created July 2016 Water body Data: Univeristy of Minnesota Remote Sensing Lab, U.S. Geological Survey

Extreme Heat Base Map

Base heat
vulnerability:
Composite map,
Normalized
Difference
Vegetation Index
(NDVI)/Impervious
& land cover



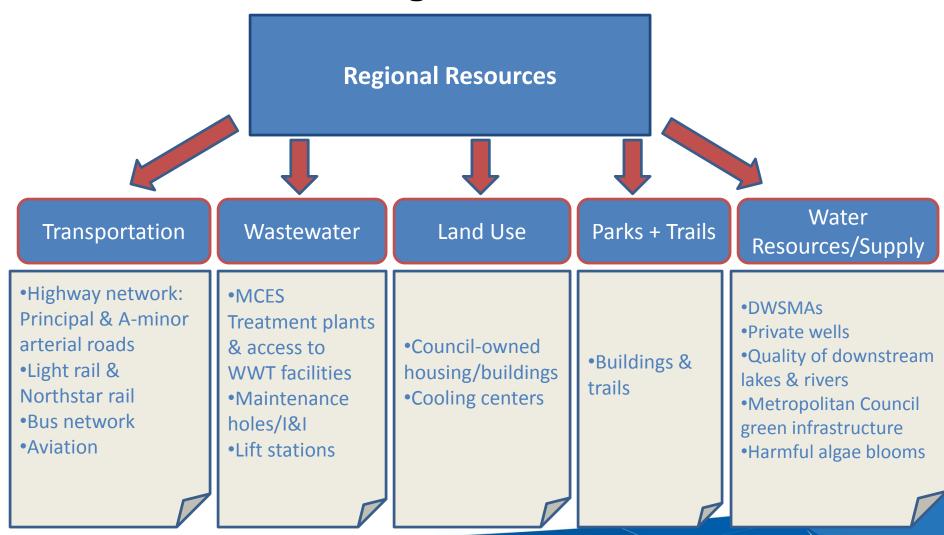
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Extreme Heat Base Map

Composite, visualized by census tract

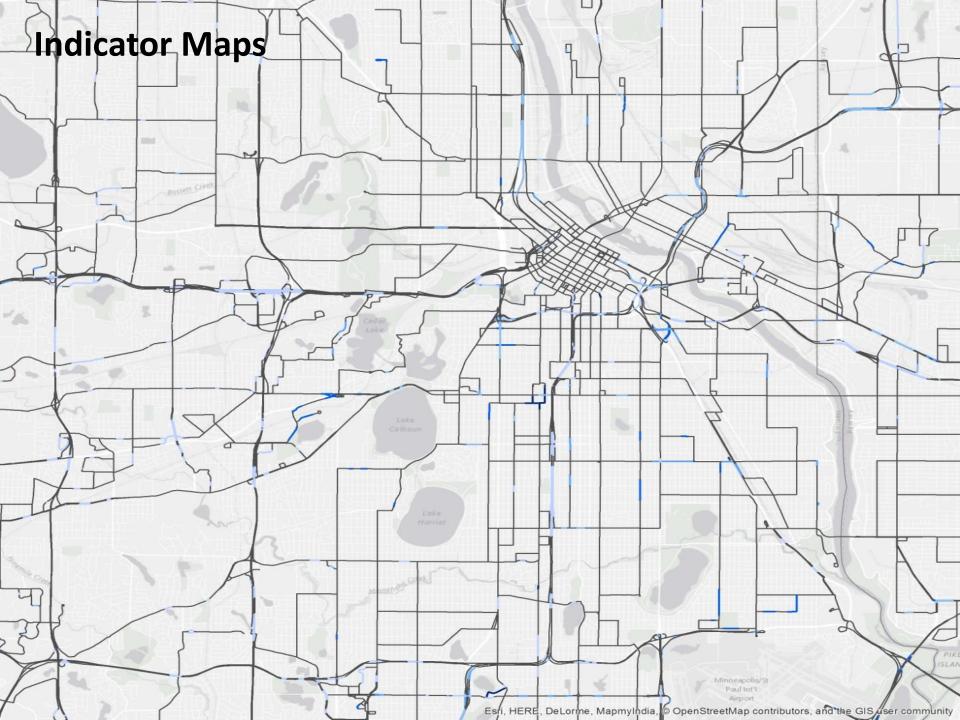


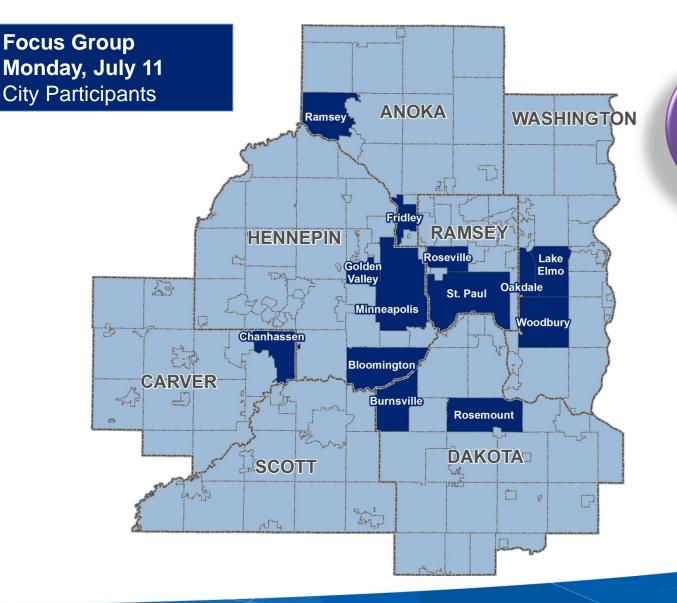
What are we assessing?







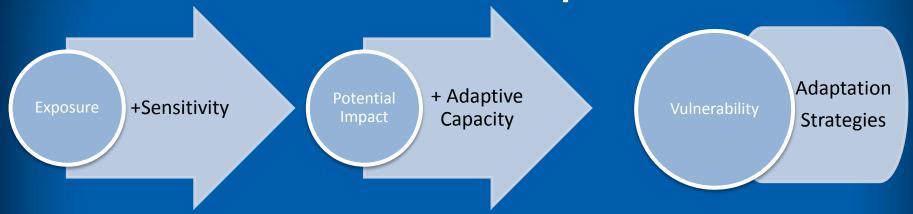








Next Steps



- Finalize Report and Local Planning Handbook tools
 - -1st Quarter of 2017
- Rollout and CVA training
- Socio-economic Vulnerability Assessment
 - January to May 2017



Thank you.

Eric Wojchik
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