

DATE: September 21, 2017

TO: Land Use Advisory Committee

FROM: Eric Wojchik, MRTPI, Local Planning Assistance

SUBJECT: Resiliency Strategies for Local Comprehensive Plans, Climate Vulnerability Assessment (CVA)

The CVA specifically considers the effects of **extreme heat** and **localized flooding**, and provides tools that can assist in Council and community efforts in preparing and adapting to climate change. The CVA will help show what assets (infrastructure, road networks, population, etc.) are most vulnerable to climatic hazards, depending upon factors such as *exposure*, *sensitivity*, and *adaptive capacity* of the studied assets.

For context, at the May 2017 LUAC meeting, Masters students from the Humphrey School of Public Affairs presented on Human Vulnerability to extreme heat and localized flooding within the metro region. Following this presentation, a lengthy and stimulating discussion ensued amongst Committee Members.

The Committee expressed interest in hearing more about this project as it progresses, and our current work on both an assessment of Council assets and climate vulnerability assessment tools will be discussed at this September 2017 meeting. Beyond providing a brief update on the CVA project to the Committee, specifically focusing on the localized flooding hazard, staff want to elicit feedback on a new, interactive localized flood map (bluespot) for the metro region. The online platform can act as a screening tool, detailing areas of potential flood risk. When coupled with ground-truthing and more specific modelling analysis, communities may find the interactive bluespot map helpful in proactive planning efforts and in assessing areas that are already prone to flood risk.

Council staff are interested in receiving feedback from LUAC on the interactive bluespot map, particularly on how best to thoughtfully communicate the relevance of this map as a screening tool and as a planning resource for communities.