

DATE: November 7, 2017

TO: Land Use Advisory Committee

FROM: Eric Wojchik, MRTPI, Local Planning Assistance

SUBJECT: Climate Vulnerability Assessment (Localized Flooding) – Strategies and Tools for Local Application

This memo was prepared for the meeting of the Land Use Advisory Committee (LUAC) on November 16, 2017.

The Climate Vulnerability Assessment (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.

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.

Beyond providing an 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 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 localized flooding map helpful in proactive planning efforts and in verifying areas that are prone to flood risk.

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