Green Infrastructure Mapping Exercise
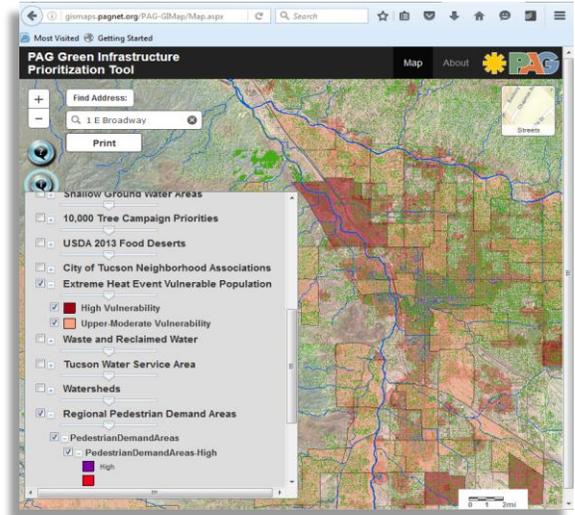*Afternoon Session of the "One Water" Discussion*

Small teams will work collaboratively to discuss where Green Infrastructure (GI) for stormwater management can be implemented with the greatest potential to meet the goals of multiple stakeholders.

What is GI?

Landscape and engineering features that utilize soils and vegetation to manage stormwater for multiple environmental and community benefits. These features include but are not limited to curb depressions, swales, bio-retention, berms, check-dams, infiltration trenches, and active water harvesting basins and storage systems.

Definition from City of Tucson Green Streets and Pima County Low Impact Development: Manual

Process

1. Teams will conduct rapid assessment of the site context their expertise as well as the perspectives of other disciplines that benefit from GI solutions. Participants will be asked to consider, "What are the primary issues do you see on the map? What goals are you looking to meet?" (See regional goals below)

2. After ideas have been proposed, teams will collaboratively identify one project area –one that meets the most goals presented by all the participants at the table.

3. Time allowing, group discussion may include details such as opportunities for specific structural practices, location opportunities and constraints (physical, policy, funding, land ownership, etc.), and what would be needed to address these constraints.

Goals

A) Ameliorate flooding and erosion conditions

B) Improve water reliability with diversified portfolio

C) Enhance climate resiliency

D) Enhance economic vitality, aesthetic amenities and increase adjacent property values

E) Address public health and recreation

F) Reduce energy demand and enhance heat resiliency to benefit low income, elderly, isolated and minority communities

G) Improve stormwater quality

H) Improve air quality, increase carbon sequestration

I) Enhance ecosystem health: biodiversity, connectivity, riparian areas

J) Sustain and increase native vegetation and shade trees

K) Implement context-sensitive roadway design, including the public right-of-way

L) Provide multimodal benefits for all ages and abilities, accessibility and neighborhood safety

Goals are extracted from Pima Association of Governments' Regional Council Resolutions:
2017 Resolution Supporting our Heritage of Desert Waters
2015 Resolution Supporting Complete Streets
2015 Resolution for Green Infrastructure for Regional Vibrancy
2012 Resolution Supporting Low-Impact Development and Green Infrastructure

Visit the PAG GI Mapping Tool online at: http://gismaps.pagnet.org/PAG-GIMap

Pima Association of Governments