

## Storm to Shade

City of Tucson Green Stormwater Infrastructure Program

Arizona Stormwater Funding Workshop September 29, 2022

James MacAdam Administrator





#### City of Tucson Stormwater Funding Landscape

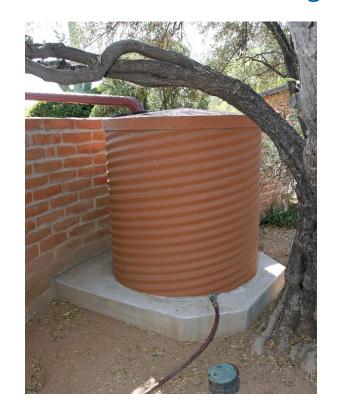
- Lead agency Department of Transportation & Mobility (DTM)
- Program history
  - Late 90s MS4 program, Tucson Stormwater Management Study/Plan
  - Staffing/funding levels, early 2000s-today
- Funding sources
  - City general fund
  - Groundwater protection fee
  - Roadway capital projects RTA, Federal/State
  - Pima County Regional Flood Control District





#### Meanwhile....

#### **Active Rainwater Harvesting**





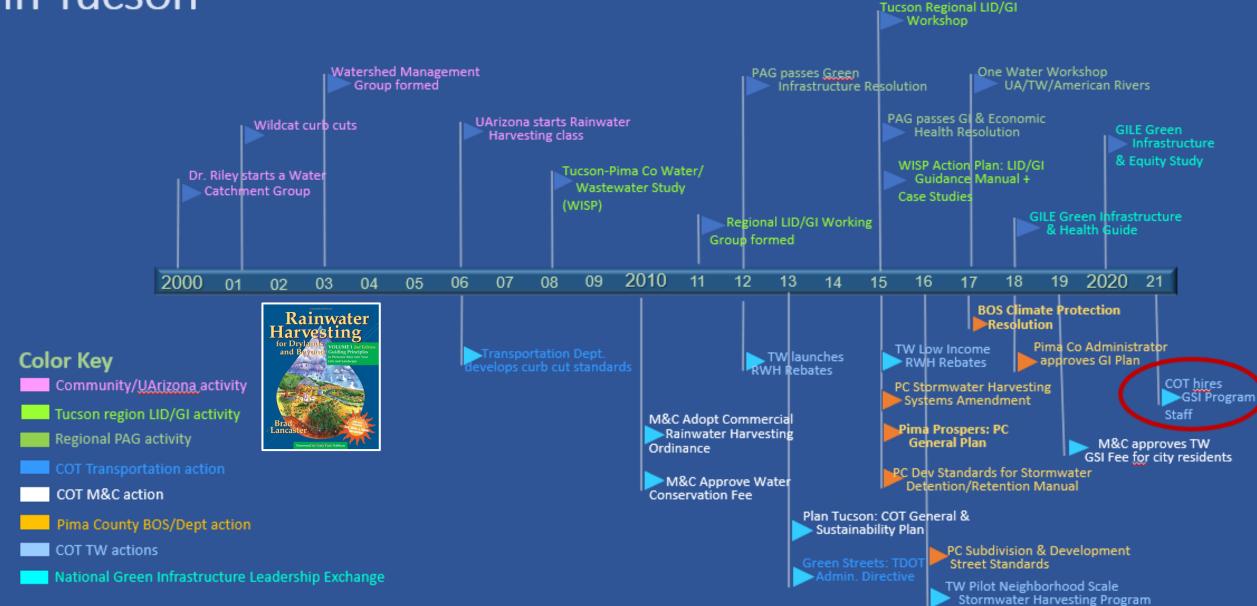
Passive Rainwater Harvesting







# Institutionalizing Rainwater Harvesting in Tucson



#### Key moments

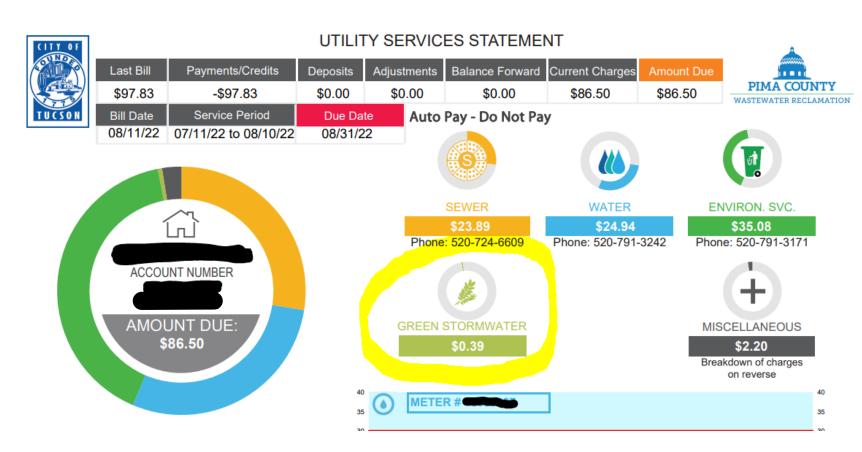
- 2005 –Water Harvesting Guidance Manual
- 2010 Commercial Rainwater Harvesting Ordinance
- 2010 Rainwater Harvesting Rebates
- 2017 Neighborhood Stormwater Grants
- 2018 Stormwater white paper, 3 options:
  - "enhanced status quo"
  - Flat GSI Fee
  - Stormwater utility
- 2019 -2020 GSI Program Proposal & Implementation





### Dedicated funding source

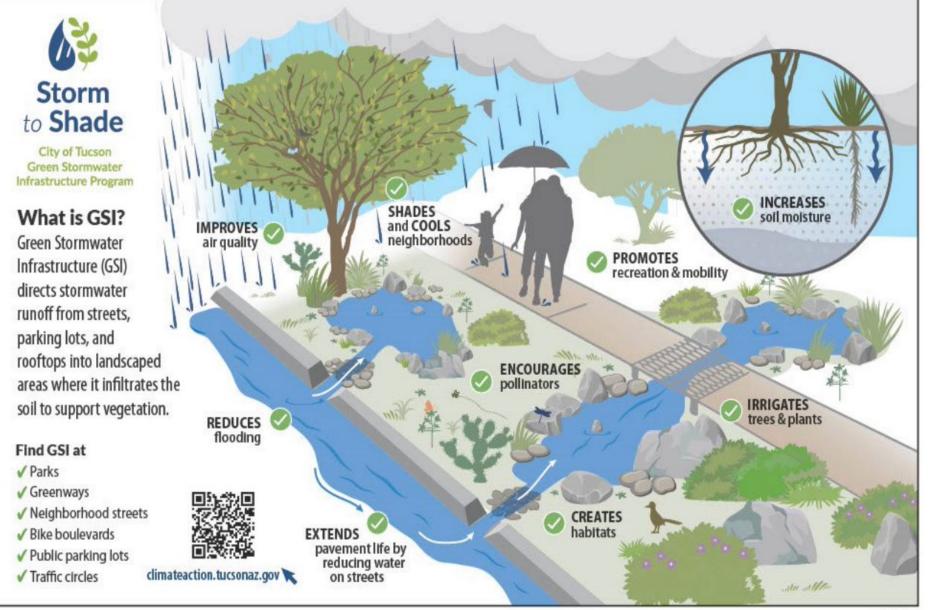
- Every City utility customer within City limits
- .13 cents per CcF of water consumed
- Average \$1/month per residential household
- \$3M annual program budget







#### Tucson's GSI Program shall...



- Establish a Capital Improvement
  Program to build
  GSI throughout the 6 Wards in the COT
- 2. Maintain existing and new GSI
- 3. Prioritize equity & vulnerable communities





#### Where we are today

- MS4 + Floodplain programs still underfunded, slowly improving
- GSI Program helps:
  - Coordinating between City departments
  - Collaboration with Pima County Regional Flood Control District
  - Developing Asset Management model
- GSI Fee







#### Maintenance Program

- 230 individuals trained
  - COT staff & community members
- 6 local GSI Mx contractors hired
- Interdepartmental MOUs underway
- EAM system under construction
- Site prioritization/selection process underway
- published & disseminated

GSI Mx Maintenance Pocket Guide

https://climateaction.tucsonaz.gov/documents/cotgis::gsimaintenance-pocket-guide/explore





