

**CITIZENS' WATER ADVISORY COMMITTEE (CWAC)
Technical, Planning, and Policy Subcommittee**

Thursday, June 13, 2019, 12:00 p.m.

Director's Conference Room

Tucson Water, 3rd Floor

310 W. Alameda Street, Tucson, Arizona



Legal Action Report and Meeting Minutes

1. Roll Call/Call to Order

The meeting was called to order at 12 p.m. by Chair Placido dos Santos. Those present and absent were:

Present:

Placido dos Santos (Chair)	Representative, City Manager
Mark Murphy	Representative, Mayor
Michele Crow	Representative, Ward 2
Val Little	Representative, Ward 3
Allison Jones	Representative, Ward 6

Not Present:

Mitch Basefsky	Representative, City Manager
Mark Stratton	Representative, City Manager

Tucson Water Staff Present:

Pat Eisenberg	Planning & Engineering Administrator
Richard Sarti	Planning & Engineering Administrator
Jesus Suarez	Maintenance Administrator
James MacAdam	Public Information & Conservation Superintendent
Candice Rupprecht	Water Conservation & Information Supervisor
Michael Mourreale	Engineering Manager, System & Development
Paul Baughman	Civil Engineer
Kris LaFleur	Lead Management Analyst
Jessica Rodriguez	Staff Assistant

Others Present:

Melissa Mauzy	Ward 6 Council Office
Chris Avery	City of Tucson Attorney's Office
Wally Wilson	Metro Water

2. Announcements – There were no announcements.

3. Call to Audience – There was no comment from the audience.

4. Review & Approval of May 9, 2019, Meeting Minutes – Member Jones moved to approve the Legal Action Report and Meeting Minutes of May 9, 2019. Member Murphy seconded the motion, which passed by a voice vote of 5-0.

5. Tucson Water Service Growth and Water Availability Projections – Mr. Sarti and Mr. Mourreale led a presentation and discussion about projected growth and water availability needs in Tucson Water's service area. Covered topics included growth projections for the Tucson Water service area, with particular focus on parcels not yet served but approved for service by the utility, vacant subdivided parcels which Tucson Water is obligated to serve, and examples of platted developments. The presentation closed with a summary of current and future water availability in the service area. Discussion ensued.

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6. **Green Stormwater Infrastructure Fund: Closing Discussion** – Members and staff reviewed the discussion and revision process that culminated in CWAC's unanimous decision to submit the Subcommittee's GSI Fund recommendations to Mayor and Council.
7. **Future agenda items** – Topics scheduled or suggested for future discussion include:
 - Member Murphy suggested that the subcommittee receive a presentation about the science behind national water conservation trends
 - Member Murphy suggested an update by Arturo Gabaldon about the CAP Green Valley terminus project
 - Member Dos Santos suggested a presentation about the Arizona Water Blueprint project, by staff of the ASU Kyl Center for Water Policy
 - Member Little requested further discussion about joint meetings between TPP and the Conservation & Education Subcommittee, to discuss potential policy changes related to rainwater harvesting or conservation ordinances
8. **Adjournment** – The meeting was adjourned at 1:02 p.m.

Projected Growth within Tucson Water's Obligated Service Area (OSA)

Presenters:

Richard Sarti – Tucson Economic Advancement Center Administrator

Michael Mourreale – Engineering Manager, New Area Development

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PAG Growth Projections by Jurisdiction

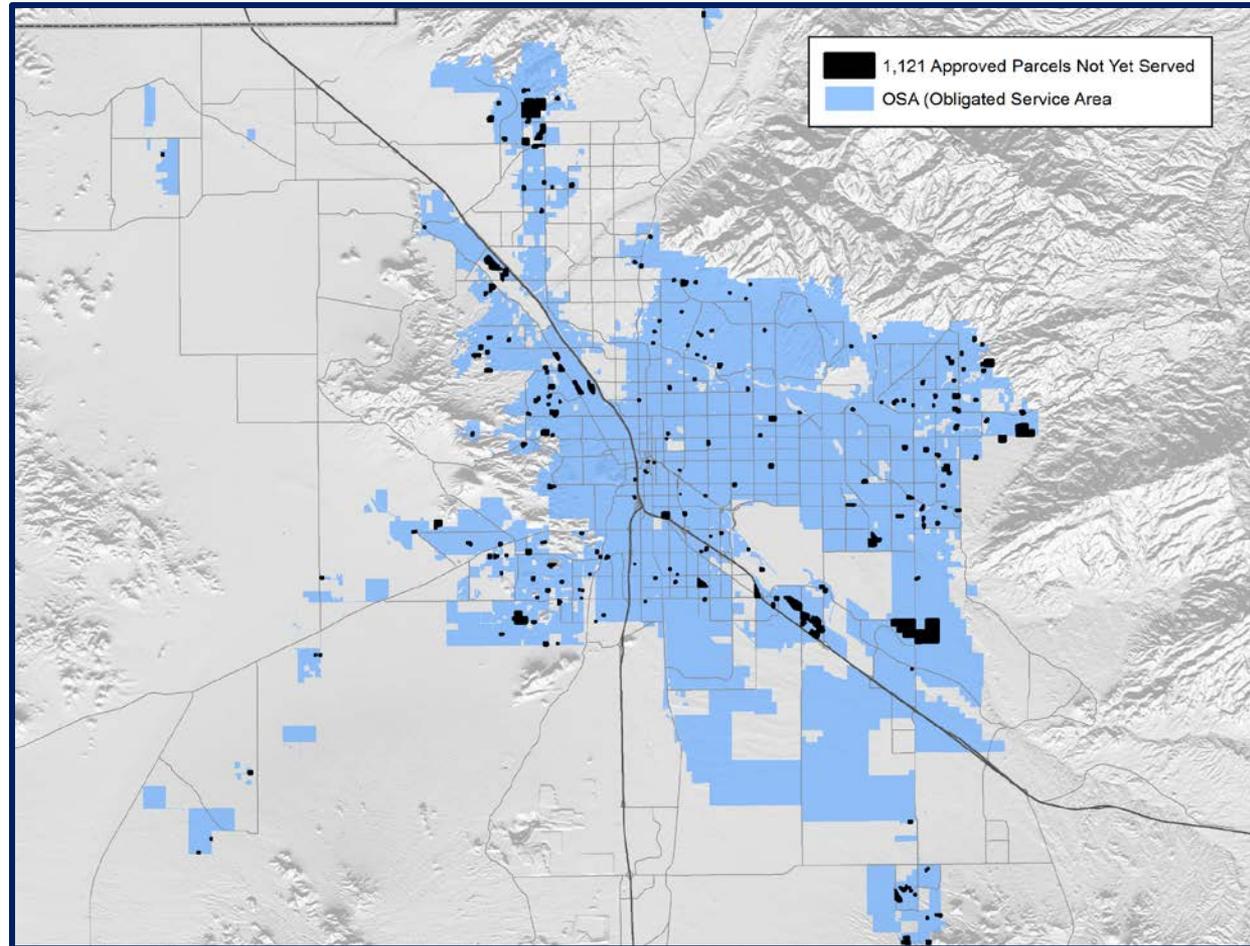
	MAR	OV	SAH	STUC	TUC	PC
2018 POP	47,213	45,184	30,575	5,677	543,505	362,047
2055 POP	104,491	55,850	56,938	5,689	628,971	425,137
Growth (18-55)	57,278	10,666	26,363	12	85,466	63,090
Annual Growth	1,548	288	713	0	2,310	1,705
Annual Growth Rate	3.28%	0.64%	2.33%	0.01%	0.42%	0.47%
Annual Growth Rate(10-18)	4.34%	1.27%	2.16%	0.01%	0.38%	0.59%
Annual Growth Rate (13-18)	4.66%	1.70%	2.29%	0.01%	0.43%	0.65%
% of Total Growth	23.6%	4.4%	10.9%	0.0%	35.2%	26.0%

Source: Pima Association of Governments

- Tucson's overall population is projected to grow more than other jurisdictions in Pima County
- City's projected growth rate is lower than other jurisdictions

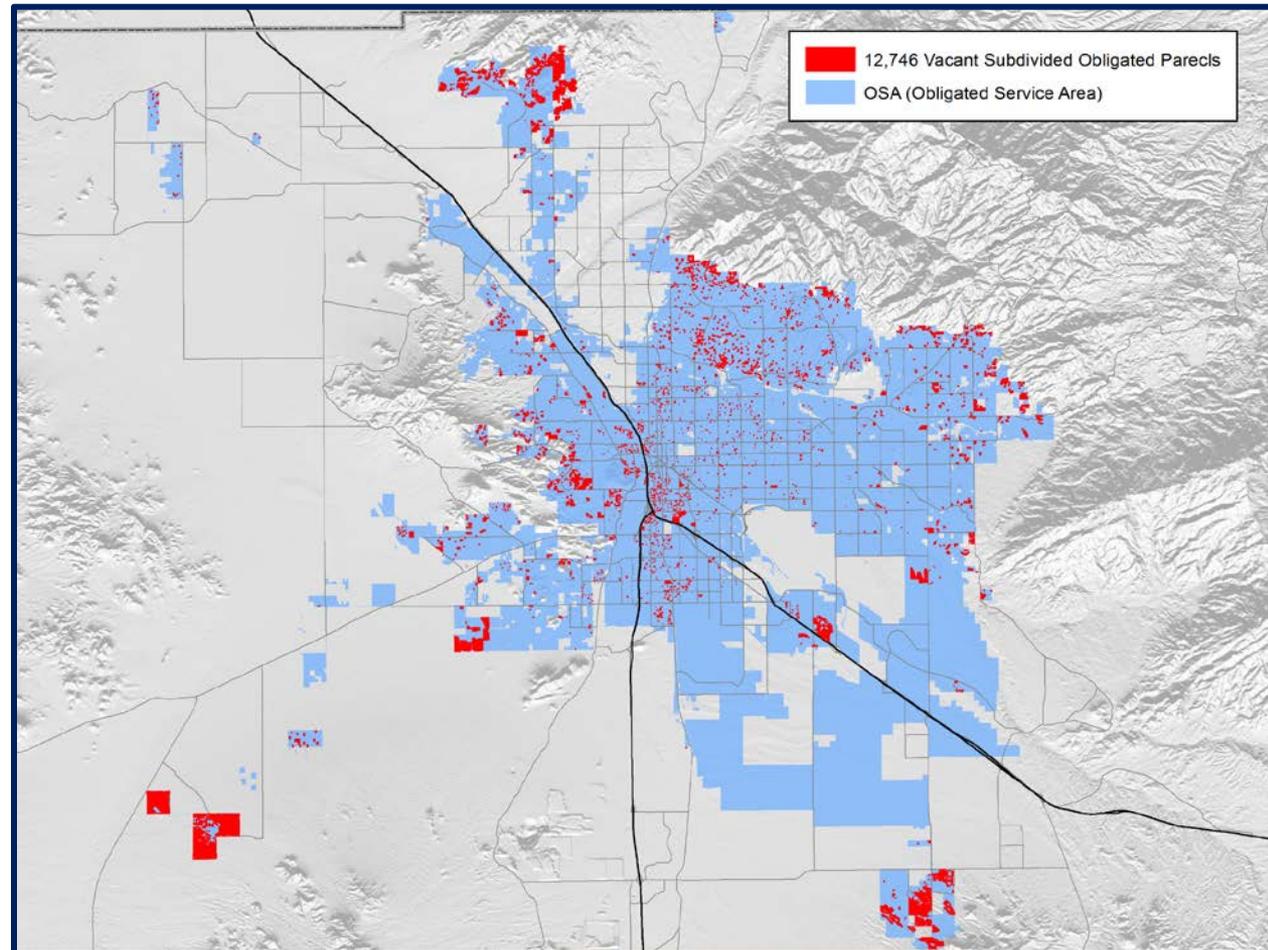
OSA: Approved Parcels Not Yet Served

- Parcels that have applied for water service and received approval; meters not yet installed
- 1,121 parcels in this category
- Water resource requirement: approximately 3,200 acre-feet per year (AFY)



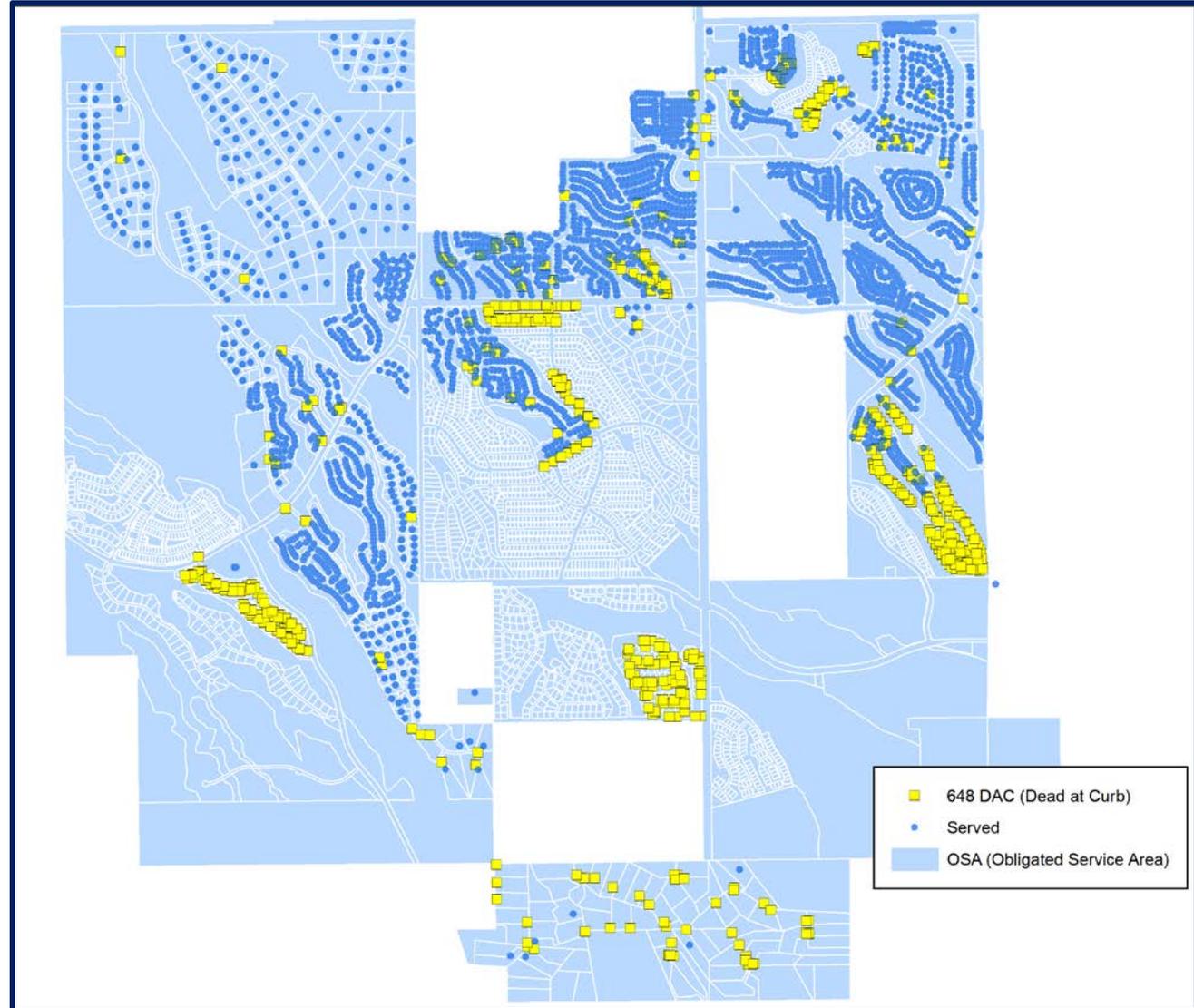
OSA: Vacant Subdivided Obligated Parcels

- Platted parcels within the OSA that have not requested service
- 12,746 parcels in this category
- Water resource requirement: approximately 5,600 AFY
- Total estimated water resources: less than 9,000 AFY



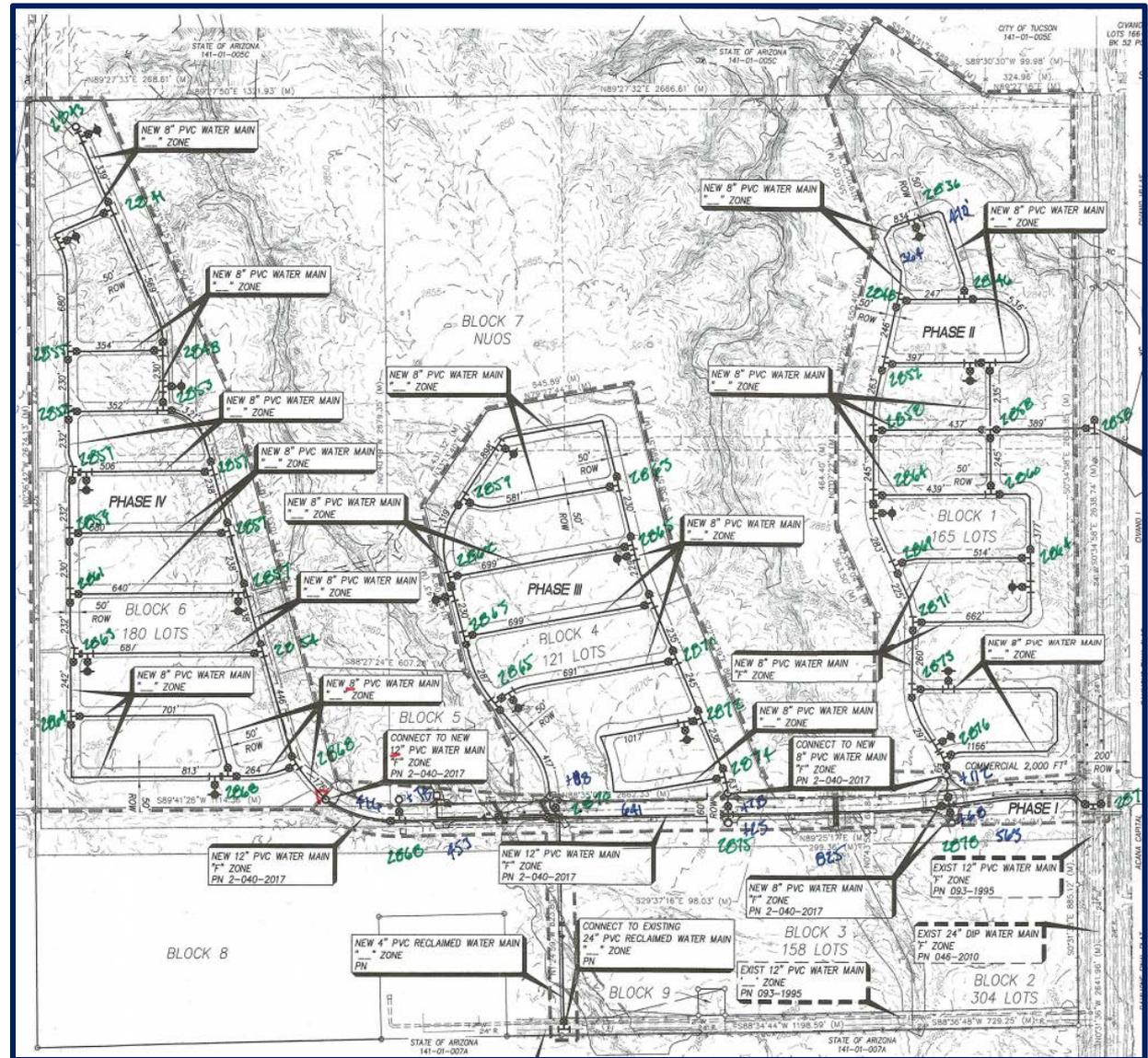
Platted Development: Corona de Tucson

- 4,315 current equivalent dwelling units (EDU)
- 648 dead-at-curb (DAC) service connections
- 271 EDUs are in plan review



Platted Development: Saguaro Trails

- Proposed development will include 700 EDUs
- Another potential project at Valencia and Houghton may include 2,600 acres of medium-density development



Current & Future Water Availability

- Tucson Water CAP allocation: 144,191 AFY
- 2018 potable water production in the Tucson Water obligated service area: 95,129 AF
- PAG projections indicate a population increase within Tucson's OSA requiring additional water resources of 9,300 AFY by 2055
- PAG projections are comparable to Tucson Water's parcel-based projections
- Both projections indicate that ample water resources exist to accommodate future growth in Tucson's OSA

Projected Growth within Tucson Water's Obligated Service Area

Questions

Presenters:

Richard Sarti – Tucson Economic Advancement Center Administrator

Michael Mourreale – Engineering Manager, New Area Development

Citizens' Water Advisory Committee

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DATE: June 5, 2018

TO: Honorable Mayor and
Council Members

FROM: Mark Murphy
Chair, CWAC 

SUBJECT: Green Stormwater Infrastructure Fund (GSIF) Proposal – CWAC comments

The Citizens' Water Advisory Committee (CWAC) is herewith forwarding comments developed by the Technical Planning and Policy (TPP) Subcommittee on the subject documents. We hope this assist you in coming to a decision on a path forward on this crucial subject.

The TPP reviewed the revised GSIF report carefully, individually and in session, and the attached memorandum by Chair Plácido dos Santos reflects those discussions and conclusions. Chair Dos Santos requested on behalf of the TPP Subcommittee that the memorandum be forwarded to you for use in your deliberations. The CWAC unanimously voted in favor of this action in our June 5th, 2019 meeting.

Once again, there was considerable discussion. We respectfully urge Mayor and Council to reflect on the recommendations made in the TPP memorandum; however, once again, the CWAC enthusiastically supports the idea of a Green Stormwater Infrastructure Fund.

Attachment: GSIF Proposal report – CWAC comments

cc: Michael Ortega, City Manager
Albert Elias, Assistant City Manager
Timothy Thomure, P.E., Director, Tucson Water
Roger Randolph, City Clerk
CWAC

Date: June 5, 2019

To: Mark Murphy
Chair, CWAC



From: Plácido dos Santos
Chair, CWAC - TPP

Subject: Recommendations on Green Stormwater Infrastructure (GSI) Fund Proposal

The Citizens' Water Advisory Committee's Technical, Policy and Planning Subcommittee (TPP) met on May 9, 2019 and reviewed the February 2019 draft report regarding a proposed Green Stormwater Infrastructure (GSI) Fund. When compared to the earlier draft dated August 2018, the overall comprehensive approach is significantly improved. Rather than provide additional detailed comments on this more recent draft, members of the TPP Subcommittee concluded that it would be more useful and timely to provide Tucson's Mayor and Council with three overarching recommendations about the GSI Program that has been proposed. If Mayor and Council decide to authorize establishment of the GSI Fund, the TPP would appreciate an opportunity to explore detailed refinements of the program proposed in the latest draft report.

The following three overarching recommendations are provided to the full Citizens' Water Advisory Committee (CWAC.) The TPP Subcommittee requests that our recommendations be sent to the Tucson's Mayor and Council in time for their expected summer 2019 deliberations about the proposed GSI Fund and the associate fees that would presumably be collected from Tucson Water customers within the city limits.

1. We Recommend that Mayor and Council Authorize Establishment of a GSI Fund

The TPP recommends that the Mayor and Council move expeditiously to establish a Green Stormwater Infrastructure (GSI) Fund and Program to be supported by, and for the long-term benefit of the City of Tucson's residents. Members of the TPP are satisfied that the proposed vision, approach and overall programmatic components presented in the draft report embody a highly-desirable effort to improve our community and will help put Tucson on a more firm path toward the environmental resilience needed to address the realities of ongoing climate change.

The aesthetic and environmental changes that will be realized with a GSI Fund through increased tree canopy and vegetative cover will enhance our community on a continual basis throughout the life of the program. We note that the proposed mechanism of linking use of the program funds to existing community-authorized Proposition 407 projects, previously-approved Capital Improvement Projects and existing infrastructure features such as parks, bicycle paths, schools and rights of way will optimize the effectiveness of the funds that would be collected for the proposed program. The TPP believes that the overall program approach that is described in the draft report will result in significant community benefits that cannot be realized through existing programs and funding.

Along with this expression of support for the proposed GSI Fund and the overall program approach, the TPP recognizes that some of the program's finer aspects still merit further discussion and clarification. Consequently we also recommend that, if Mayor and Council decide to authorize collection of fees for a city-focused and supported GSI Program, the programmatic details should be further examined in a more relaxed timeframe. The TPP would welcome future opportunities to participate in such efforts.

2. Shift Rainwater Harvesting Program Efforts into the GSI Program

In our previous letter about the proposed GSI Fund, the TPP subcommittee recommended that the Tucson Water Rainwater Harvesting activities should be programmatically shifted into the nascent GSI initiative if launched. However the recent draft report did not address this recommendation. We revisit this issue because we consider it to be a matter of importance that should be considered in the broader context of the Mayor and Council's discussions regarding the GSI Fund.

Members the TPP recommend that Mayor and Council consider moving Tucson Water's Rainwater Harvesting Program activities (but not C&E funds) into the GSI Program. This would maintain the integrity of the ongoing rainwater harvesting activities and would return use of C&E Funds to the original purpose established many years ago.

3. Use of Ordinances, Policies and Regulations for GSI efforts

The establishment of a GSI Fund as proposed would address several needs that cannot be readily addressed in other ways. The gap in funding for operation and maintenance costs associated with existing GSI infrastructure is one such notable example. Similarly, there are other gaps and needs that can be addressed through adoption or revision of City ordinances, policies and regulations. Many future GSI enhancements can be realized in a more cost-effective manner through such a proactive approach. Establishment of an interagency task force might be an appropriate first step to identify a set of options that would promote and institute GSI over time without having to rely on future use of public monies collected for a GSI Fund. Members of the TPP therefore recommend that Mayor and Council launch an effort to identify options for ordinances, policies and regulations that would complement the GSI Fund and Program that are currently under consideration.

Conclusion

Members of the TPP subcommittee take this opportunity to express thanks to Tucson Water staff and the consulting team that contributed to the draft report regarding a Proposed GSI Fund. The updated report presents a much more complete, thorough and insightful set of recommendations for consideration by the Mayor and Council and the public that they serve. The set of possible projects broken out by City Wards and ranked with a standardized prioritization scheme is just one example of the many ways in which the project team took some TPP comments, built on them and created something tangible and meaningful to facilitate decision-making by Tucson's elected leadership.

The needs and value of the proposed GSI Fund and Program are much clearer today because of the open process of review, comment and engagement that Tucson Water has implemented with the Citizen's Water Advisory Committee (CWAC). We are grateful for this opportunity and hope to remain similarly engaged as this community-enhancement concept develops and evolves in the coming months to years.

Cc: Mitch Basefsky – CWAC/TPP Representative, City Manager
Michele Crow – CWAC/TPP Representative, Ward 2
Alison Jones – CWAC/TPP Representative – Ward 6
Val Little – CWAC/TPP Representative – Ward 3
Mark Stratton – CWAC/TPP Representative – City Manager
Tim Thomure – Tucson Water, Director
James MacAdam – Tucson Water, Superintendent, Public Information and Conservation
Kris LaFleur – Tucson Water, Lead Management Analyst
Jennifer Rodriguez – Tucson Water, Staff Assistant