

Environmental Planning Advisory Committee (EPAC) Meeting

At or after 9:30 a.m., Thursday, December 11, 2025

Public Access to Meeting Audio/Presentation: https://www.youtube.com/live/74G0Vduk5Bs

Notice is hereby given to the public and to the Committee members that the Environmental Planning Advisory Committee (EPAC) of Pima Association of Governments (PAG) will meet at the above stated time and date.

SPECIAL NOTICE: Members of the EPAC will attend the meeting remotely. The meeting room will not be open to the public. However, members of the public are invited to attend the meeting via the public access link above. Committee members will be provided with a separate link to participate. Members of the public may submit written comments relating to this meeting to info@pagregion.com within twenty-four hours of the meeting's posted start time. These comments will be filed with the committee's records.

EPAC is a technical advisory committee established by PAG to make regional environmental planning recommendations to the Management Committee and PAG Executive Director. EPAC provides technical review and develops recommendations on studies, reports, plans, programs and submittals in support of continuous, comprehensive and cooperative planning and programming within the PAG planning area and in full compliance with PAG policies and procedures. Committee members are prohibited from interfering with the administrative functions of the organization.

Pima Association of Governments is committed to maintaining high standards of conduct and prohibits harassment and retaliation against all employees pursuant to PAG's Policy Against Discrimination, Harassment and Retaliation. It is the responsibility of all committee members to comply with and to report violations or suspected violations of the Rules of Conduct, PAG policies, federal or state laws and regulations.

AGENDA

1. Call to Order and Introductions

2. In-kind Form

The participants will be asked to confirm their estimated in-kind time so the meeting can count as a local match to PAG's federally funded programs.

This is an information item.

3. Approval of EPAC May 1, 2025, and October 23, 2025, Meeting Summaries

Action: Approval of the Meeting Summaries.

4. ADOT Transportation Project Environmental Review Process

Representatives from the Arizona Department of Transportation will present the environmental review process including the National Environmental Policy Act (NEPA), biological, cultural, air quality, hazardous materials, water and other requirements and considerations.

Environmental planning staff will present on topics pertaining to highway noise at the source, noise sensitive areas, wildlife, pavement performances, and measurement methodologies.

Traffic engineering staff will present guidelines for roadway lighting.

This is an information item.

5. Hard to Recycle Plastics

A representative from the ByFusion program will present recent changes and accomplishments from the private side of the partnership with the City of Tucson and regional opportunities.

This is an information item.

6. EPAC Top Environmental Issues List for 2026

PAG staff will present the final draft of EPAC's Top Environmental Issues List for 2026 for review and approval.

Action: Approval of Top Environmental Issues List for 2026 and distribution to PAG Management Committee, Regional Council and Executive Director.

7. Nomination and Election of EPAC Chair and Vice Chair

According to the EPAC bylaws, the terms of office for the committee Chair and Vice Chair shall be for two years. PAG staff will request nomination of eligible voting members as nominees to fill these positions.

Action: Nomination and election of the committee Chair and Vice Chair two-year terms.

8. Request Future Agenda Items

Members of EPAC may request items to have considered for discussion on future meeting agendas.

***Pursuant to open meeting laws, the committee cannot discuss or act on any matters raised that are not listed on this agenda.

9. Adjournment

The EPAC meeting packet containing materials related to the meeting is available at www.PAGregion.com for public review. In compliance with the Americans with Disabilities Act (ADA), those requiring special assistance, such as large typeface print, sign language or other reasonable accommodations, may request those through the administrative offices at: (520) 792-1093 at least two business days before the meeting.

PAG operates its programs without regard to race, color and national origin in compliance with <u>Title VI</u> of the Civil Rights Act. We invite you to complete our voluntary self-identification survey (<u>English/Spanish</u>).

If you need translation assistance, please contact Zonia Kelley at (520) 792-1093. Si necesita ayuda con traducción, llame por favor al (520) 792-1093 y comuníquese con Zonia Kelley.



Environmental Planning Advisory Committee (EPAC) Meeting Summary

Summary of 9:30 a.m., Thursday, May 1, 2025, Meeting

Full Video Recording (YouTube): https://www.youtube.com/watch?v=qausn4bd9m4

ATTENDEES

Voting Members

Abigail Okrent, PDEQ
Alejandra Fraijo, Kimley-Horn
Becca Cammack, Tucson Airport Authority
Brendan Lyons, SAHBA
Camden Walsh, Tohono O'odham Nation
Charles Stack, Oro Valley citizen
Christina McVie, Tucson Bird Alliance
Frank Bonillas, City of Tucson
Josue Licea, City of South Tucson
Kimberly Baeza, Pima County
Lydia Barker, City of Tucson

Mike Osborne, Town of Marana (designated proxy) Nicole Gillett, City of Tucson Sarah Hite, PDEQ (designated proxy) Scott Bennet, Town of Oro Valley (designated proxy)

Non-Voting Members

Katie Predick, Arizona Sonoran Desert Museum

Staff Lead

Mead Mier, Planning Manager

1. Call to Order and Introductions

The meeting was conducted virtually and called to order at 9:33 a.m. by the chair, Abigail Okrent, Pima County Department of Environmental Quality.

2. In-kind Form

PAG Planning Manager Mead Mier informed participants of the in-kind form, and members were asked to confirm their estimated in-kind time for the meeting.

3. Approval of EPAC Feb. 6, 2025, Meeting Summary

Video Timestamp: 16:08

Action: A motion to approve Feb. 6, 2025, EPAC meeting summary with the spelling correction of Brendan Lyons' name was made by Ms. Okrent, and seconded by Christina McVie, Tucson Bird Alliance. The motion passed unanimously.

4. EPAC Top Environmental Issues List for 2025

Video Timestamp: 21:30

Ms. Mier provided a brief introduction to the EPAC Top Environmental Issues List for 2025. Members were reminded of the process and previous discussions involved in developing the list. Additionally, members had the opportunity to discuss any further refinements to the list.

Action: Ms. Okrent moved to approve the April 24 version of the EPAC Top Environmental Issues list for 2025, which was seconded by Ms. McVie. The item was opened up for discussion.

Action: A motion to close the discussion was made by Ms. Okrent, and was seconded by Ms. McVie. The motion to close discussion was passed with one nay by Mr. Lyons.

Action: A substitute motion to amend the Issues List to include the sentence "Before advancing or recommending any regional environmental planning recommendations, this body will consider economically sound environmental health strategies with balanced benefits to both private and public stakeholders" was made by Brendan Lyons, SAHBA. The substitute motion failed to get a second.

Action: The original motion to approve the April 24 version of the EPAC Top Environmental Issues list for 2025 was passed with one nay by Mr. Lyons.

The presentation can be found **HERE**.

5. Wildlife Corridors and Crossing Infrastructure in Pima County Overview

Video Timestamp: 38:38

After a brief introduction from Ms. Mier and Ms. Okrent, panel representatives shared information about various types of local wildlife connectivity studies and diverse investments, including overpasses, underpasses, bat boxes and fencing.

Jeff Gangon, Wildlife Connectivity Program Lead with Arizona Game and Fish, presented background information on wildlife-vehicle collisions and habitat fragmentation to the members. The presentation included statistics on wildlife fatalities due to vehicle collisions, wildlife movement maps highlighting habitat fragmentation for multiple species, and suggestions for region-wide improvements in wildlife linkages.

Colin Beach, Biologist with Arizona Game and Fish, presented to the members on regional connectivity studies. This included statistics on various wildlife movements that cross or meet barriers along several state routes and regional roads, demonstrating the benefits of past efforts and the ongoing needs within Pima County.

Kris Gade, Director of Pima County Conservation Lands and Resources, connected the discussion to the Sonoran Desert Conservation Plan. The presentation highlighted efforts toward habitat preservation and connectivity thus far and future goals, including land acquisition and the development of wildlife crossings over the CAP canal and roads.

Audrey Navarro, Biology Program Manager at the Arizona Department of Transportation (ADOT), provided information on State Routes 77 and 86, including the construction, utilization, benefits, and next steps for the wildlife underpass. She highlighted the grant award for the upcoming ADOT Arizona Statewide Wildlife Connectivity Assessment Tool and Action Plan project.

Carolyn Campbell, past Executive Director of the Coalition for Sonoran Desert Protection, gave a brief review of historical RTA-related efforts to improve wildlife connectivity in the region and discussed current recommendations for future funding to meet remaining priorities.

Town of Marana and Tohono O'odham Nation representatives were on the agenda but were unable to attend.

Members asked the panelists questions. Discussions covered a variety of topics, such as preferred solutions to wildlife linkage issues, retrofits versus advanced planning, cost sharing, ongoing maintenance and monitoring needs, resource priorities, and other local projects.

All presentations are available **HERE**.

This was an information-only item.

6. Future Agenda Items

Members requested the following items:

- Information on the Green Valley Instream Recharge Project
- Information on the Catalina State Park conservation acquisition

7. Adjournment

The meeting was adjourned at 11:36 a.m.



Environmental Planning Advisory Committee (EPAC) Meeting Summary

Summary of 9:30 a.m., Thursday, October 23, 2025, Meeting

Full Video Recording (YouTube): https://www.youtube.com/watch?v=eCsa4f9jaPs

ATTENDEES

Voting Members

Abigail Okrent, PDEQ
Aidelis Moyet, Town of Sahuarita
Becca Cammack, Tucson Airport Authority
Charles Stack, Oro Valley Citizen Rep
David Barnes, Freeport-McMoRan
Kimberly Baeza, Pima County
Lydia Barker, City of Tucson
Michael Garcia, Town of Oro Valley
Natalie Shepp, PDEQ
Nicole Gillett, City of Tucson
Paula Bluemer, Town of Marana
Howard Myers, SAHBA Alternate
Alejandra Fraijo, Kimley-Horn

Non-Voting Members

Katie Predick, Arizona Sonoran Desert Museum Kim Franklin, Arizona Sonoran Desert Museum

Elizabeth Leibold, City of Tucson Jace Lankow, Watershed Management Group Luke Cole, Sonoran Institute Michael Campbell, University of Arizona Sarah Hite, PDEQ Sarah Truebe, Sky Island Alliance

Staff Lead

Dustin Fitzpatrick, Environmental Planning Administrator

1. Call to Order and Introductions

The meeting was called to order at 9:34 a.m. and conducted in a virtual format

2. In-kind Form

PAG Environmental Planning Administrator Dustin Fitzpatrick informed participants of the in-kind form, and members were asked to confirm their estimated in-kind time for the meeting.

3. Approval of EPAC May 1, 2025, Meeting Summary

Action: No action was taken due to lack of quorum. This item will be included in the next EPAC meeting.

4. Invasive Species and Hazard Mitigation

Video Timestamp: 8:56

After a brief introduction by Chair Abigail Okrent, the members were provided brief presentations on invasive species.

Kim Franklin, Arizona Sonoran Desert Museum, and Elizabeth Baldwin, University of Arizona, presented information on invasive species such as buffelgrass and stinknet. Members were informed of their influence on wildfires and air quality, challenges in invasive species mitigation strategies, and goals for regional support. Members were encouraged to share their thoughts on wildfire mitigation via Pima County's 2026 Community Wildfire Protection Plan (CWPP) Public Survey. The survey can be accessed by this link HERE. The presentation can be found HERE.

Sarah Truebe, Sky Island Alliance, presented information on the invasive species Arundo. Members were informed of the history behind Arundo, its uses, its migration to Arizona springs, and the effects it has on wildlife. Additionally, members were informed of Arundo removal efforts in Sabino Canyon. The presentation can be found HERE.

Jace Lankow, Watershed Management Group, also presented information on the invasive species Arundo. Members were provided with information on Arundo removal and mitigation in the Tanque Verde creek areas. The presentation can be found HERE.

Members were provided with the opportunity to ask questions and engage in discussion.

This was an information only item.

5. Assessing Effluent Recharge Instream Potential in Green Valley

Video Timestamp: 1:06:27

After a brief introduction by Chair Abigail Okrent, Luke Cole, Sonoran Institute, and Mike Campbell, University of Arizona, provided the members with a presentation on assessing effluent recharge instream potential in Green Valley.

Mr. Cole informed the members of the area of reclamation for the Santa Cruz River in the Green Valley area. Mr. Campbell informed the members of the importance of the Santa Cruz River and what reclamation efforts have been made so far. Additionally, members were informed of various concept developments scenarios, including how to reach those scenarios and the effect they would have on the river. The presentation can be found HERE.

Members were provided with the opportunity to ask questions and engage in discussion.

This was an information only item.

6. EPAC Draft Top Environmental Issues List for 2026

Video Timestamp: 1:35:51

PAG Environmental Planning Administrator Dustin Fitzpatrick provided the members with a brief overview of the EPAC draft top environmental issues list for 2026 which included the development and approval process as well as utilization of the issue list. Additionally, members were informed of future committee visibility with the issues list. The presentation can be found <u>HERE</u>.

Howard Myers requested to have the quote "The Environmental Planning Advisory Committee supports clean air, clean water, and clean soil for all equally" included in the document.

This was an information item.

7. Future Agenda Items

No future agenda items were requested.

***Pursuant to open meeting laws, the committee cannot discuss or act on any matter raised that is not listed on this agenda.

8. Adjournment

The meeting was adjourned at 11:26 a.m.

ENVIRONMENTAL PLANNING ADVISORY COMMITTEE (EPAC)

Top Environmental Issues List 2026

The Top Environmental Issues List is compiled by Pima Association of Governments (PAG) in coordination with its Environmental Planning Advisory Committee (EPAC) and its subcommittees.

This list of top issues can be used to develop EPAC and its subcommittee meeting agendas for 2026. PAG staff, together with EPAC, will utilize the list to find common ground, track accomplishments, integrate diverse planning efforts, provide inclusive regional coordination and may create or advise on measurable initiatives that address regional issues, such as plans, resolutions, best practices and partnerships, to increase awareness and improve the health and livability of our community. While this list covers a range of topics, PAG may only provide resources and address issues consistent with the Overall Work Program (OWP) and as allowed by grant funding sources.

EPAC encourages the integration of affordable and innovative solutions, predictable regulatory frameworks, and collaborative engagement among diverse members and interests. Additionally, EPAC seeks to weigh the immediate impacts on stakeholders across various sectors alongside the long-term benefits to public safety, health, and environmental well-being.

ISSUE 1: ENVIRONMENTAL JUSTICE

Many underserved and overburdened communities have suffered disproportionately from environmental degradation. Federal regulations have varied in the application of requirements for programs. Topics addressing the issue of environmental justice include:

- Lessons and resources to ensure compliance with environmental regulations, including environmental justice, such as data analytics and engagement methods
- Health impacts and health outcomes for communities affected by environmental degradation
- Efforts to engage with underserved and overburdened communities
- Data to aid decision making, such as tracking areas with the highest densities of underserved and overburdened populations

ISSUE 2: HEALTHY ENVIRONMENT

Clean Air – The U.S. Environmental Protection Agency (EPA) has designated the region in attainment with air quality standards, except for the Rillito PM10 nonattainment area. The Arizona Department of Environmental Quality (ADEQ) updates the State Implementation Plan (SIP) for the Rillito area with PAG's assistance. As the region's Metropolitan Planning Organization (MPO), PAG is responsible for evaluating and demonstrating air quality transportation conformity for transportation programs and plans and amendments (Transportation Improvement Program and Regional Mobility and Accessibility Plan).

Prioritizing regional coordination to reduce air pollution and help ensure continued attainment of the national ozone air quality standard is paramount for the sustained health of our region. Topics addressing the issue of clean air include:

- Rillito area SIP planning and conformity analysis
- Ozone research of formation and precursor pollutants (oxides of nitrogen and volatile organic compounds), mitigation strategies, transport and wildfires, status of federal regulations/standards
- Increasing use of alternative modes of transportation to single occupancy vehicles, including active transportation and transit
- Advancing travel reduction through transit, active transportation, ridesharing, telework, and flexible work schedules
- Alternative energy and fuel in transportation, prioritizing overall air pollutant reduction benefits of electrification
- Links between travel modes, air pollution and climate change
- Methods to improve fuel economy and reduce transportation air pollutants
- Improved geographic datasets of alternative fuel and active mode infrastructure assets, needs, and gaps
- Leveraging investments, opportunities, and available data to inform regional priorities for air quality improvement
- Regional haze mitigation
- Regional greenhouse gas inventory

Clean Water – Under Section 208 of the Clean Water Act, PAG is the Designated Planning Agency (DPA) for Pima County, excluding Native American lands, and implements the *PAG Areawide Water Quality Management Plan (208 Plan)*. The 208 Plan primarily focuses on maintaining consistency for water reclamation facilities, but also addresses other potential pollutant sources, including solid waste disposal and urban stormwater runoff.

Regional watershed planning concerns both the quality and quantity of water resources and addresses contamination and scarcity. Topics addressing the issue of clean water include:

- Wastewater reclamation
- Stormwater pollution prevention and mitigation
- Industrial waste disposal and mitigation
- Impacts and remediation of groundwater contaminants
- Surface water quality impairments
- Aging septic systems
- Regional collaboration on water quality issues that cross watersheds and aquifers
- Impacts of historic landfills on water quality
- Impacts of and potential opportunities for multi-benefit in-channel recharge projects, such as the use of high-quality treated effluent to return flows to rivers and streams, which creates riparian habitat and restores access to flowing waterways while also cost-effectively improving water table levels

- Funding for the study, monitoring, control, and cleanup of emerging contaminants
- Tracking strategies and technologies to treat, mitigate and incentivize alternatives to PFAS and other emerging contaminants
- Regional coordination to support implementation of National Primary Drinking Water Regulations and prepare for other alternative methods to limit regulated contaminants in water supplies, wastewater, and discharges
- Health impacts of Superfund sites

Solid Waste Reduction – Regionally coordinated solid waste planning efforts help to improve critical local needs. Regional inventories, discussion and solutions are integral to the management of solid waste regionwide. Topics addressing solid waste challenges and solutions include:

- Efficiently using resources
- Reduction and reuse of materials that would otherwise be discarded into landfills
- Finding opportunities for collaboration between diverse entities for solid waste reduction
- Sustaining resiliency of recycling infrastructure
- Recycling economies
- Exploring effective models of reuse, recycling, and related contamination mitigation
- Efforts to eliminate contaminated plastics from landfills with public/private partnerships
- Robust glass recycling for reuse as building materials
- Development of anaerobic digestion facilities of food waste to support cleaner air
- Reducing landfill costs and water quality impacts
- Continued collaboration to monitor litter sources, test concepts of litter capture in washes, and pilot recycling programs
- Utilizing landfill generated methane as a source of renewable biogas

Stewardship and Enhancement – With changes to the definition of "Waters of the United States" (WOTUS), new chemicals entering the market, worsening drought both locally and on the Colorado River, increasing wildfire intensity, frequency and size, and shifts in seasonal weather patterns posing environmental and livability concerns and creating management challenges for decision makers, it is important to address environmental stewardship and enhancement in an integrated and holistic manner. Topics addressing stewardship and enhancement include:

- Impact of uncontrolled pollutant discharges on water supplies
- Water uses and riparian land protection
- Upland, river and floodplain management efforts aiming to bring environmental, aquifer recharge, safety, watershed health and economic enhancements to the region
- Impacts of wildfires on air quality, erosion, habitat, safety, water quality, recharge, and flooding
- Stakeholder coordination to pursue funding sources, such as federal grants, for invasive species removal and fire protection planning

- Management of invasive species, especially fire-prone species such as stinknet and buffelgrass
- Establishment and persistence of native species
- Ongoing risks to natural resources, urban infrastructure, and our cultural and environmental identity
- Riparian stewardship efforts for ephemeral, intermittent and perennial streams, including Priority Waterbodies in PAG's 208 Plan and the state's Outstanding Arizona Waters, as supported by PAG's 208 Plan and 2017 Resolution Supporting our Heritage of Desert Waters
- Effective regional strategies to protect priority waterbodies in the Tohono O'odham Nation
- Monitoring, preservation and restoration plans to address the impacts of land use changes to water quality and other natural resources
- Interagency collaboration to protect transportation infrastructure and travel safety
- Long-term impacts of sustained or increased noise and light pollution on the health and well-being of humans, wildlife and quality of life
- Practical and balanced solutions for the abatement of noise and light pollution
- Design, and appropriate use of technology to limit unnecessary harm to the environment

Wildlife Connectivity - A primary threat to native wildlife populations in Pima County is habitat fragmentation. Wildlife relies on connected, undeveloped natural regional corridors, both potential and identified, to migrate through, rest, forage for food sources, and maintain genetic diversity, as corridors reduce isolated populations. However, human-caused barriers such as buildings, roads, fences, energy facilities, and more negatively impact the ability of wildlife to safely move and thrive throughout their range. Topics addressing wildlife connectivity include:

- Supporting wildlife-sensitive design in transportation development processes, including roadways and interstates
- Incorporating connectivity into new projects and implementing wildlife-friendly designs, such as wildlife crossings and wildlife fencing
- Inventorying data related to regional wildlife movement, mortality, and habitat fragmentation

ISSUE 3: REGIONAL RESILIENCY

Resilient Infrastructure – EPAC addresses climate adaptation concerns for our regional landscape and investments by engaging diverse experts in discussions about resilience, sustainability, mobility, and livability. The integration of planning, infrastructure building, and maintenance leads to more efficient use of limited resources and capital by recognizing opportunities for shared and equitable benefits. PAG's 2016 Resolution for Regional Resilience to Climate and Weather Variability encourages proactive regional collaboration on climate resilience activities. Topics addressing resilient infrastructure include:

- Expanding green stormwater infrastructure to manage surface drainage, reduce flood
 nuisance and stormwater pollutants, increase bicycle and pedestrian safety along roads,
 improve air quality and wildlife linkages, offset consumptive water use, increase access to
 green space, and support tree shade to reduce heat
- Evaluating Sonoran Corridor (State Route 410) proposal
- Mapping and tracking of resiliency planning elements such as cooling centers, urban heat issues, park access, flooding concerns, social vulnerabilities, and tree canopy data
- Exploring heat management strategies that assist with heat preparedness, mitigation, warnings and responses
- Evaluating social, health, and environmental benefits of multimodal solutions, electric vehicle infrastructure, and broadband infrastructure
- Exploring uses of Ecopia infrastructure and land cover GIS data to advance regional resiliency planning efforts

Resilient Economy – The Sonoran Desert's unique natural heritage resources that contribute to the region's economic vitality and sense of place are valued by our region, visitors, and prospective businesses. A changing climate makes the protection of these natural resources increasingly critical. Topics addressing resilient economy include:

- Evaluating environmentally friendly modes of transportation and street design that enhance travel and tourism, livability, safety, equity, recreation and business attraction while reducing pollution and dangerous and costly human and wildlife collisions with traffic
- Exploring studies on the economic and social value of watchable wildlife and outdoor recreation opportunities such as birding, bike-friendly communities, open space and trails, and healthy waterways
- Expanding accountable public/private partnerships with local businesses, educators and additional diverse stakeholders to encourage tourism, strategic talent alignment and business opportunities
- Integrating restoration efforts with support of the local economy while balancing benefits of ecotourism with impacts to wildlife and environmentally sensitive areas
- Considering strategies to balance the need for affordable housing with environmental and risk management needs
- Considering the environmental impacts of large-scale economic development projects, such as data centers

Water Reliability – Potential for worsening future water shortages on the Colorado River, current extreme local drought conditions, and the high probability of increased variability for precipitation identified in the Lower Santa Cruz River Basin Study impact water reliability within the Tucson region. Topics addressing water reliability include:

- Tracking shortage conditions on the Colorado River and potential impacts to CAP allocations
- Discussing water reclamation and reuse projects and strategies

- Collaborating with Santa Cruz Watershed Collaborative partners and water managers to continue to develop and implement responses to the drought
- Evaluating long-term planning for water use and delivery efficiency, infrastructure investments, and incentives while integrating water quality, street runoff, and designated environmental water uses into planning efforts
- Collaborating efforts between water providers, wastewater reclamation departments, industry including mining operations, agriculture, indigenous communities, and academia
- Addressing key issues identified in the Lower Santa Cruz River Basin Study, including the
 disconnect between groundwater withdrawal and recharge locations that cause physical
 supply risks for people and the environment, and pursuing subregional public
 wastewater treatment and regional-scale stormwater capture

Climate Change Adaptation and Mitigation – Changing weather patterns including extreme heat, drought and increased storm intensity continually impact the environment, infrastructure and economy of the greater Tucson region. Topics addressing climate change adaptation and mitigation include:

- Evaluating findings and recommendations of the Pima County Department of Environmental Quality's Priority Climate Action Plan and Comprehensive Climate Action Plan
- Sharing resources, regulation updates, changing funding requirements, and methods for climate variability planning, including jurisdictional climate plans
- Coordinating adaptation measures that equitably address interconnected public health and welfare issues, such as extreme heat, wildfires, flooding, and additional priorities