

'Your Voice' Environment Committee

Meeting 4 Agenda

November 4, 2014

5:30 – 7:30 PM



We're in the REVIEW GOALS & POLICIES STAGE

Our purpose is to **Identify Issues and Opportunities, Generate Ideas and Directions,** and provide **Feedback and Revisions**

Schedule	Event	Presenter
5:30 pm	Welcome and Introductions	Elisa Hamblin
5:35 pm	Meeting Business Overview of agenda Review meeting materials Review schedule Review meeting summary notes	Elisa Hamblin
5:40 pm	Workbook Updates Review edits made based on committee input	Elisa Hamblin
5:55 pm	Presentation and Discussion Background Information: Oro Valley's Historic Resources	TBD
6:10 pm	Discussion Cultural Resources Policies and Actions	All
7:20 pm	Homework and Next Steps	Elisa Hamblin
7:25 pm	Public Comment Period	Open to audience
7:30 pm	Adjourn	---

Notes:



MEETING 4 HOMEWORK

Please complete in preparation for the November 4, 2014 meeting.

We're in the REVIEW GOALS & POLICIES STAGE

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In advance of the third meeting please dedicate some time to reviewing the packet materials and focusing your comments on the following items.

1. Please review the meeting summary notes and make note of any corrections that are needed.

2. Please review the edits (in blue) made in the Water Resources section (p. 10-12) of the workbook and note any questions or follow-up items you might have.

3. Please review the Cultural Resources section (p. 12-13) of the workbook and make comments here or in the workbook.

4. Considering the vision and guiding principles, do you think there are items missing from the sections you have reviewed in the workbook?

5. Do you have any other questions that you want to discuss at our next meeting? Please also let us know in advance at ehamblin@orovalleyaz.gov.



draft



'Your Voice' Environment Committee
Meeting 3 - October 22, 2014
Meeting Summary

We're in the **REVIEW GOALS & POLICIES STAGE** - Our purpose is to **Identify Issues and Opportunities, Generate Ideas and Directions**, and provide **Feedback and Revisions**

Attendance:

Present:

Robyn Basken
Helen Dankwerth
Rick Davis
Mike DeSantis
Jack Evert
Tim Falter
Ellen Guyer
Bob Milkey
John Scheuring
Casey Streuber
Bob Swope
Fred Wayand

Staff:

Elisa Hamblin
Steve Giang
Carol Miller

Absent w/ notice:

Pat Spoerl

Absent w/o notice:

Raymond Caryl
Christopher Fox

Depart Reps:

Philip Saletta
Aimee Ramsey
Mike Todnem
Lynanne Dellerman

Welcome and Introductions

- Elisa Hamblin welcomed everyone and thanked them for coming as she knows it's a sacrifice of their personal time
- Town staff was introduced to the Committee members

Meeting Business

- Elisa provided a quick overview of the evening agenda
 - ✓ Committee members who attended the Community Academy on 10/16: Environmental Stewardship and Conservation were thanked and all members were reminded of the future sessions
 - ✓ Reviewed meeting packet materials
 - ✓ No suggested revisions to the 10/8/2014 Meeting Summary were made – fine as they are

Workbook Updates

- Elisa explained how and what Committee comments get edited into the workbook – to help clarify to members, Elisa used the following two illustrations – 'Digging into the weeds'



Digging into the weeds (or undergrowth)

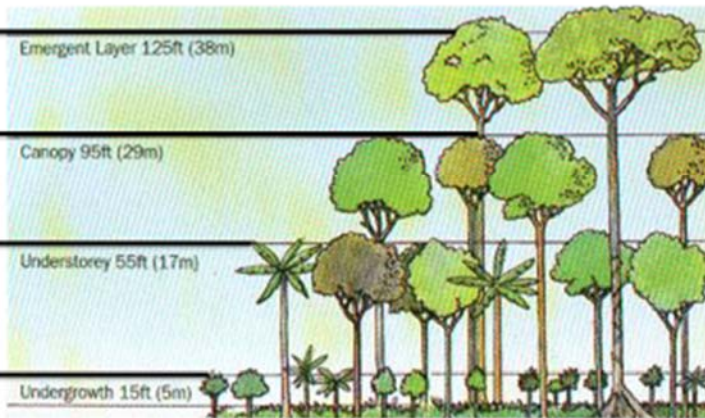
**Vision &
Guiding Principles**

Goals

Policies

Actions

Specific planning



Digging into the weeds (or undergrowth)

Vision &

Guiding Principles

- Ensure integrity of scenic beauty and environment
- Promote conservation of natural resources

Goals

The proactive conservation, protection, and restoration of environmentally sensitive lands, natural resource areas and habitat and lands with high scenic value.

Policies

Provide information to the public on means to protect and conserve resources.

Actions

Develop a program that identifies, promotes and increases awareness of public actions and opportunities for natural, water and cultural resources protection and conservations.

Specific planning

- Native plant competition
- Adopt-a-desert
- Adopt-a-landscape
- Space for education
- Water conservation
- Web resources
- Historical education resources



- The Committees' work is to recommend goals, policies and actions that align with the Vision & Guiding Principles – staying true to the Community's voices
- The Specific Planning is what happens after the adoption and ratification of the updated General Plan
- Elisa clarified for the members how the Environment Committee Meetings' Schedule correlated to the Environment topics
 - ✓ Sonoran Desert Resources (Oct 8)
 - ✓ Water Resources (Oct 22)
 - ✓ Cultural Resources (Nov 4)
 - ✓ Clean environment (Nov 17)
- Minimal time will be spent during the meeting on the prior week's edits: edits are colored coded in the 'Workbook' for members to see from which meeting the comments were suggested -- **an important reminder for members to complete homework**
 - ✓ Last two meetings - December 4 & 16 – all topics will be looped back together during these meetings for final refinement, i.e., nuances cleared up for implementation; remove ambiguity; clarity so everyone can understand – **in the meantime, send all edit questions and concerns to Elisa**
- When questioned where the initial draft 'Workbook' had originated, Elisa reiterated that the 'Workbook' was developed in alignment with the Vision and Guiding Principles by Town Staff recommendations, Town General Plan – Focus 2020, Town Zoning Code, ESLO and other cities/towns' best practices
 - ✓ Elisa advised members that they can bring up recommendations from the last General Plan – Focus 2020 that are still, and will be, relevant during the next General Plan term (2026)

Presentation and Discussion - Background Information: Oro Valley's Water

- Philip Saletta, OV Water Utility Director provided background information on Oro Valley's Water
 - ✓ Water Utility History – serving a population of ~42,000
 - ✓ Water Utility's Mission
 - ✓ Goals & Objectives of the Water Utility
 - ✓ Water Utility Commission – make recommendations to Council
 - ✓ Water Utility Customer Service
 - ✓ OV Water Supply Diverse Portfolio
 - ✓ Water Conservation Program – dynamic group discussion ensued on tiered water rates and how water rates are set; water conservation as a whole; and, Philip defining gray water, rainwater harvesting, reclaimed water and wastewater effluent
 - ✓ Advance Metering Infrastructure – AquaHawk Daily Data
 - ✓ Water Utility – Existing System
 - ✓ Energy Efficiency
 - ✓ Reclaimed Water System
 - ✓ Delivery of Central Arizona Project (CAP) Water
 - ✓ What is the Problem
 - ✓ The solution
 - ✓ OV Water Utility, Cap Water Delivery
 - ✓ Water Resource Planning – the rest of the story
- Philip ended the presentation by outlining how the Environment Committee's work plays into the General Plan Update
 - ✓ Public health: Need to provide safe and reliable water supply to our community
 - ✓ Current Water Service Area
 - 4,000 service units remaining
 - Have more supply than demand with CAP water, even with a shortage on CO River



- ✓ Some additional supply would be required for large annexation(s)
- ✓ Protect and preserve our groundwater by continuing to use and develop our renewable water resources
- ✓ Policies are in place for new growth to pay for itself (water impact fees)
- ✓ Implement the Energy Efficiency Program for the water utility
- ✓ Complete the installation of advanced metering infrastructure – smartmeters and AquaHawk
- ✓ Regional cooperation with other water providers and agencies
- ✓ Fiscally Responsible
- ✓ Continue Water Conservation Program - Free Water Audit

Discussion - Water Resources Policies and Actions

- Elisa reiterated the purpose of the 'Workbook' and how to use it
 - ✓ It's a tool to use – make comments and notes; use to discuss concepts at meetings
 - ✓ The revised draft 'Workbook' will have only the colored edits shown for past meetings; topics discussed to date
- Elisa lead the discussion regarding the Water Resources Policies and Actions
 - ✓ Regarding Water Resources, Elisa asked the members what jumped out at them; what's important – topics; glaring concerns, recommended edits, refinement of policy, etc.
 - ✓ Committee members' thoughts and ideas were capture in three places: (see attachment)
 1. Comments: Suggestions for changes
 2. Questions: Need to find answers
 3. Parking Lot: Related topics for later discussion
 - ✓ During discussions, members cautioned one another to make recommendations with foresight planning; for the duration of the updated General Plan (through 2026)
 - ✓ Possible recommendation for the future is to develop an Environment Board/Commission
 - ✓ Members want to see a policy on stormwater management (rainwater harvesting, stormwater runoff, engineering for erosion and property damage control) - Elisa reminded the members that stormwater crosses over into the Development Committee – Committees can work together on this recommendation
- Elisa took the members back to their first committee meeting brainstorming session (sticky wall exercise) where members working together developed a list of Water Resources items/statements they believed were important when recommending goals, policies and action plans. Elisa solicited responses from members when she asked the members whether or not they believe their work so far has aligned with these items – responses were all positive

Homework and Next Steps

- Elisa thanked and acknowledged the members for talking amongst each other and having robust discussions
- Elisa reminded members to do their homework and to use the 'Workbook'
- Elisa advised members that if they have any further comments on Water Resources, to email them to her by Monday morning, 10/27

Public Comment Period - Open to audience

- No comments were given

Adjourn

- **Next Environment Committee Meeting: November 4 – same place and time** – members can pick up hard copies of the meeting packet materials prior to the meeting – otherwise hard copies are available at the meeting
- Bob Milkey announced that the Water Utility Commission has two vacancies if anyone is interested in serving
- Homework was collected



October 22nd Environment Committee Meeting

Flip Chart Notes

Comments: Suggestion for Changes

- Insert terms “present and Future” water utility customers.
- 3.4.1 and 3.4.3, how are these different?
- Make the language clearer in 3.4.1 and 3.4.3
- Ensure long term Supply and Conservation in 3.4.1 and 3.4.1
- 3.4.2.5 is too specific
- Simplify 3.4.2 section
- Advocate instead of coordinate
- Address future CAP shortages
- Continue to exercise foresight relating to water supply
- Revisit drought response plan
- 3.4.3.4, remove the term “conveyance system”
- 3.4.3.6 – to specific, major expansion of education and advocacy
- Develop Environmental Board
- More action ideas directly related to water conservation
- 3.4.3.6 remove the word residential
- Add more town parks on reclaimed water
- Mention the incentives for water use (tiered structure)
- 3.4.4.1 – waste instead of reclaimed
- 3.4.5.1 – remove entire action item
- 3.4.5.2 goes into 3.4.3
- 3.4.5.2 – replace “which may” to “to”
-

Questions: Need to Find Answers

- Water Conservation @ multi-family
- Is there anything we’ve overlooked in the 2005 General Plan Relating to water?

Parking Lot: Related Topics for Later Discussion

- Stormwater Issue? Where does it go?

Your Voice, Our Future: Environment Committee Schedule

Outreach work continuing through all phases of the project include: YourVoiceOV.com web updates, Town of Oro Valley web updates, email announcements, stakeholder and organization meetings as well as broad news and media publications for events.

STAGE	PURPOSE	DATE	TOPICS
KICK-OFF	Orientation	Aug 27	Welcome & Introductions Team Building Project Overview, Expectations and Next Steps
INTRODUCTION	Project Overview Open Discussion	Mtg. 1: Tues. Sept 23	1. Welcome 2. Packet Review 3. Charter and Expectations 4. Presentation – Vision & Guiding Principles 5. Discussion 6. Homework and Next Steps
REVIEW GOALS & POLICIES	Identify Issues and Opportunities Generate Ideas and Directions Feedback and Revisions	Mtg. 2: Weds. Oct 8	1. Meeting Business 2. Presentation – Background Information (Environmentally Sensitive Lands Ordinance, etc.) 3. Discussion – Environment Goals; Sonoran Desert Resources 4. Homework and Next Steps
		Mtg. 3: Weds. Oct 22	1. Meeting Business 2. Presentation 3. Discussion – Water Resources 4. Homework and Next Steps
		Mtg. 4: Tues. Nov 4	1. Meeting Business 2. Presentation 3. Discussion – Cultural Resources 4. Homework and Next Steps
		Mtg. 5: Mon. Nov 17	1. Meeting Business 2. Presentation 3. Discussion – Clean Environment; Community & Development 4. Homework and Next Steps
RECOMMENDATION	Feedback and Revisions Endorsement	Mtg. 6: Thurs. Dec 4	1. Meeting Business 2. Discussion – Environment, Community & Development 3. Tentative Recommendation 4. Homework and Next Steps
		Mtg. 7: Tues. Dec 16	1. Meeting Business 2. Discussion on Final Draft 3. Final Recommendation
OTHER COMMITTEES	Review and Recommendations	Dec '14 – Mar '15	Community Committee (First committee meeting Thursday, December 11, 2014)
		Jan – Apr 2015	Development Committee (First committee meeting Wednesday, January 14, 2015)
COMPILATION	Bring together materials Publish Draft	May – Aug 2015	Project staff will work with each committee to form final recommendations and combine all components with other supporting info to create the <i>Your Voice, Our Future Plan</i>
FINAL PLAN	Adopt Plan	Sept 2015	Planning Commission Briefing
		Oct 2015	Planning Commission Hearing
		Nov 2015	City Council Hearing
		Dec '15 – Oct '16	Public Engagement – Did we get it right?
	Accept Plan	Nov 2016	Public Vote on <i>Your Voice, Our Future Plan</i>

ENVIRONMENT COMMITTEE WORKBOOK



INTRODUCTION

During Phase 2 – ‘Let’s Think’ of the *Your Voice, Our Future* project, three topic-specific committees will be working to develop goals, policies and actions for the community’s plan. This work will guide actions and decisions for the Town’s future over the next ten years.

What is the workbook?

The workbook is a tool for committees to use. It’s designed to be friendly, offer ideas and help you dive into your work. All the answers aren’t in this document, instead it represents some ideas that are supported by the community’s vision and guiding principles.

How should I use it?

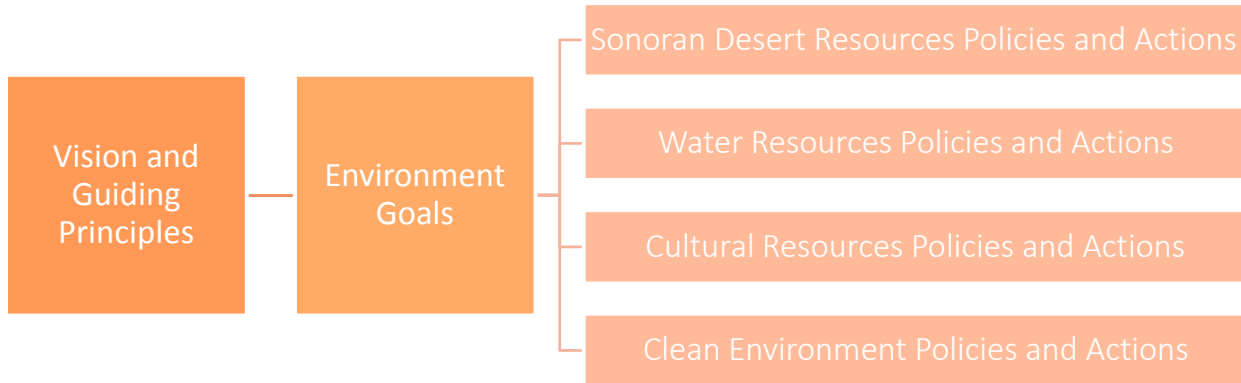
Read it – mark it up – make notes and bring your ideas to the committee meetings! This plan can’t be built without the unique contributions every committee member and this workbook should help you bring your ideas into one place. Together we can build something that truly directs a positive future for the community.



ENVIRONMENT COMMITTEE WORKBOOK

How is the workbook organized?

The information in the workbook was examined through the lens of the endorsed vision and guiding principles. The goals offer big directions and the policies and actions take the next step.



Throughout this workbook you will see references to the Vision and Guiding Principles referenced after every goal, policy and action in parentheses. This is a way to track how we're lining up with what the community told us what important. The key for these Vision and Guiding Principles codes can be found in the key below.

Code V&GP Phrase

Code	V&GP Phrase
V-1	Well-managed community
V-2	Opportunities for quality living
V-3	Friendly, small-town character
V-4	Access to daily services
V-5	Access to employment
V-6	Access to recreation
V-7	Strong sense of community
V-8	High regard for public safety
V-9	Extraordinary natural environment
V-10	Extraordinary scenic views
GP-1	Focus on community safety and maintain low crime
GP-2	Ensure integrity of scenic beauty and environment
GP-3	Keep the unique community identity as a special place
GP-4	Create a complete community with a broad range of shopping, dining and places to gather
GP-5	Minimize traffic and increase ways to get around Town
GP-6	Manage how we grow and maintain high design standards
GP-7	Grow the number of high quality employment opportunities
GP-8	Ensure Oro Valley is a family-friendly community
GP-9	Support and build on high quality of schools
GP-10	Provide more parks, recreation and cultural opportunities for all ages
GP-11	Promote conservation of natural resources
GP-12	Maintain financial stability

Oro Valley's Vision

To be a well-managed community that provides all residents with opportunities for quality living. Oro Valley will retain its friendly, small-town character, while increasing access to daily services, employment and recreation. The Town's lifestyle continues to be defined by a strong sense of community, a high regard for public safety and an extraordinary natural environment and scenic views.

ENVIRONMENT COMMITTEE WORKBOOK

What do I need to know?

Asterisks*

Indicates the source is the current Town General Plan, Focus 2020, or the adopted Town Zoning Code.

Statements with a () afterwards

Indicate a relationship to another chapter or a reference to the vision and guiding principles.

Text in red

Indicates a change has been made for version 2.

Text in blue

Indicates a change has been made for version 3.

Goal:

The desired result or the envisioned future. A goal answers the question “what does the Town strive for?”

Policy:

Identifies a course of action to help achieve the goals.

Action:

Indicates the specific actions to take in order to fulfill both the policies and the goals.

How will this fit into the final plan?

The work of this committee will feed into the final plan, along with the work of the other two committees.

1. Introduction

- a. How this plan was created: process, vision and guiding principles, state requirements
- b. How to read this plan: organization and plan content
- c. How this plan goes to work: implementation measures

2. How to use this plan: plan administration

- a. Amendment criteria

3. Environment

Topics include: Sonoran Desert Resources, Water Resources, Cultural Resources and Clean Environment

4. Community

Topics include: Economy, Complete Community and Town Services, Facilities and Buildings

5. Development

Topics include: Land Use and Design, Development and Growth Areas and Infrastructure

6. Conclusion

7. Appendices

ENVIRONMENT COMMITTEE WORKBOOK

3.1 Discussion and Overview

[Placeholder - text to be developed]

Community priorities represented in this chapter

Explanation of legal requirements – topics that must be covered as part of State elements

3.2 Environment Goals

Following is a list of goals that support the achievement of the long-term vision for the environment.

Listed in order of the appearance of topics in this chapter.

All goals have a relationship to the goals found in other chapters

The Town of Oro Valley strives for . . .

- 3.2.1 The **proactive** conservation, protection, and restoration of environmentally sensitive lands, natural resource areas and habitat and lands with high scenic value.* (V09)
- 3.2.2 A high quality, safe and reliable water supply which meets long-term needs for humans and the natural environment. (GP11)
- 3.2.3 The **protection and** preservation of significant **cultural** and historical sites, properties and resources that enhance community character and heritage. (GP10)
- 3.2.4 High environmental quality including meeting or exceeding all **federal and state** standards for air and water quality in ~~Oro~~ **Valley cooperation with other local jurisdictions**. (V09)
- 3.2.5 Balanced and responsible use of **energy and water** resources ~~in order to protect and conserve resources~~ for the current and future benefit of the community. (GP11)
- 3.2.6 **Efficient and responsible management of generated waste for the current and future benefit of the community**. (GP11)

*Questions - comments - ideas -
concepts that are important to me*

WHAT IS A GOAL?

*The desired end
result or the
envisioned future!*

ENVIRONMENT COMMITTEE WORKBOOK

3.3 Sonoran Desert Resources Policies and Actions

Oro Valley highly values its open space, natural resources and views. This section outlines policies and actions to conserve and protect these resources.

Suggested POLICY

- 3.3.1 Identify, preserve **and manage** an integrated and connected open space system that protects Oro Valley's natural resources, and provides enjoyment for residents. (COMM) (V10)

ACTION ideas

- 3.3.1.1 Develop and implement a program for the **proactive** acquisition, management, and maintenance of public natural open space in cooperation with other agencies and Pima County.* (V09)
- 3.3.1.2 Create public use agreements for natural resource areas with homeowners associations, property owners and public agencies and with developers as part of future development requirements.* (V10)
- 3.3.1.3 Develop and adopt a trails plan which establishes long-term strategies for system and natural resource connections as well as trail development, management and upkeep **in cooperation with other local jurisdictions**. (GP10)
- 3.3.1.4 Create a system, including public and private contributions, for posting regulatory and/or informational signs **at community trailheads**, along community trails and near natural areas.* (GP10)
- 3.3.1.5 Monitor and manage public use of significant biological resources in designated natural areas within the community to prevent their degradation.* (GP02)
- 3.3.1.6 **Explore opportunities to integrate family-friendly amenities into the trail system, such as areas for play, rest and learning.**

Suggested POLICY

- 3.3.2 Provide natural open space connections between significant natural resource areas.* (DEV) (GP10)

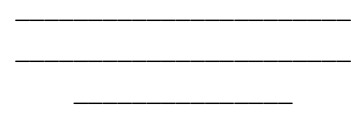
ACTION ideas

- 3.3.2.1 Develop a plan that connects environmentally sensitive lands as development occurs. (GP10)
- 3.3.2.2 Identify preservation and connection strategies between significant natural resource areas, including Tortolita Mountain Park, Arroyo Grande and Catalina State Park **in cooperation with other agencies and jurisdictions**. (GP10)

Questions - comments - ideas - concepts that are important to me



The most meaningful phrase on this page to me is



ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.3.3 Conserve Oro Valley's natural resources in a comprehensive manner. (V09)

ACTION ideas

- 3.3.3.1 **Review and** implement the Town's Tree Master Plan, which considers the benefits of trees in relation to overall community welfare, while making plans for infrastructure, facilities and development. (GP11)
- 3.3.3.2 Pursue measures to maintain night sky visibility **through the night skies initiative.*** (GP02)
- 3.3.3.3 Explore the designation of dedicated Town staff **and an advisory board** to support natural resource goals and policies. (V09)
- 3.3.3.4 Provide training and resources to Town employees, **board members** and volunteers in coordination with community programs in order to protect natural resources. (V09)

Suggested POLICY

3.3.4 **Protect and** conserve healthy native vegetation during the development process. (DEV) (GP11)

ACTION ideas

- 3.3.4.1 **Periodically review and update** the Town's Save-A-Plant program **in order to protect** healthy native vegetation.*(DEV)(GP11)

Suggested POLICY

3.3.5 Provide information to the public **on** means to protect and conserve resources. (GP11)

ACTION ideas

- 3.3.5.1 Develop a program that identifies, promotes **and increases awareness** of public actions and education opportunities for natural, water and cultural resources protection and conservation.* (GP11)
- 3.3.5.2 **Explore opportunities to develop a public space that educates the public on Sonoran Desert resources and best practices in conservation.**

Suggested POLICY

3.3.6 Protect scenic corridors, public park **and trail** view sheds, and the distinctive visual character of Oro Valley.* (GP02)

ACTION ideas

- 3.3.6.1 Support scenic resource regulations to conserve scenic views to including the ridgelines, hillsides, peaks and foothills of the Santa Catalina, Tortolita, and more distant mountain ranges that contribute to the Town's valued scenic character.* (GP02)

Questions - comments - ideas - concepts that are important to me

ENVIRONMENT COMMITTEE WORKBOOK

3.3.6.2 Monitor and revise scenic resource regulations as needed to enhance community-wide goals. (GP02)

Suggested POLICY

3.3.7 Enhance, protect, create and restore native biological habitats, especially along washes and wildlife corridors, in order to benefit native plant and wildlife species, **minimize the negative impacts of ~~remove~~-invasive species** and provide protection from flood risk.* (V09)

ACTION ideas

3.3.7.1 **Evaluate the effectiveness and provide appropriate** support to programs or groups which strive to reduce invasive species **and the replanting of native species.** (GP11)

3.3.7.2 **Develop measures which encourage private property owners to assist in invasive species removal.**

Suggested POLICY

3.3.8 Maintain the natural qualities of creeks, washes, groundwater basins and recharge areas to protect the integrity of wildlife habitat, allow for wildlife movement and enhance the safety of the built environment.* (V09)

ACTION ideas

3.3.8.1 Develop plans and provide resources to reduce soil erosion by slowing storm runoff and increase infiltration of stormwater into the groundwater supply.* (DEV) (V09)

Suggested POLICY

3.3.9 Protect and enhance contiguous areas of key habitats and environmentally sensitive lands within the Town.* (GP11)

ACTION ideas

3.3.9.1 Review and amend the zoning code as needed to buffer parks, trails and trailheads from incompatible uses.* (V09)

3.3.9.2 Periodically evaluate for effectiveness **every ten years and appropriately** update the Environmentally Sensitive Lands Ordinance (ESLO) to incorporate best practices on an as needed basis.* (DEV) (V09)

3.3.9.3 Inventory and actively pursue opportunities to restore degraded areas that contain remnants of essential or key habitat areas as defined on the Environmentally Sensitive Lands map.* (V10)

Questions - comments - ideas - concepts that are important to me



ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.3.10 Encourage development project designs that connect wildlife habitat areas, avoid disturbing significant wildlife habitat and minimize the overall impacts on wildlife habitat areas. (DEV) (V09)

ACTION ideas

3.3.10.1 Periodically evaluate the Environmentally Sensitive Lands Ordinance for effectiveness and update design guidelines and standards to incorporate best practices on site and building design.* (DEV) (V09)

3.3.10.2 Maintain a plant palette for use in all **new** landscape plans **as well available for the general public** which **encourages** **requires** drought-tolerant native vegetation **appropriate for varied landscapes**.* (DEV) (GP11)

3.3.10.3 During the review process require new development that is adjacent to or containing riparian areas or wildlife and plant habitat to link these systems to other nearby riparian areas, habitats, existing or planned trails, and regional natural open space areas.* (V09)

3.3.10.4 Maintain a current and accurate database of biological resources, including maps that identify the locations of specific habitats, and lists of special-status species, to ensure environmentally compatible development.* (V09)

3.3.10.5 **Develop a plan to protect and** buffer washes, riparian areas, vegetation, designated natural open space and environmentally sensitive lands from **development encroachment and the associated** flood risk and degraded habitat that may result from ~~development~~ **development encroachment**. (DEV) (V09)

Questions - comments - ideas -
concepts that are important to me

WHAT IS A
POLICY?

It identifies a course of
action to help achieve
the goals!

ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.3.11 Provide for the safe movement of wildlife near manmade features which may potentially disconnect wildlife corridors.*
(DEV) (GP06)

ACTION ideas

- 3.3.11.1 Identify preferred wildlife routes. (GP11)
- 3.3.11.2 Develop standards for roadway design which allow for wildlife to move below or across roadways and incorporate appropriate spacing and wildlife friendly fencing. (GP06)
- 3.3.11.3 Develop structural design standards which allow for appropriate wildlife movement and incorporate appropriate spacing and wildlife friendly fencing. (GP06)

Suggested POLICY

3.3.12 Strive to protect the public from the threats of flood and risks of stormwater surges. (V02)

ACTION ideas

- 3.3.12.1 Provide resources to channelize watercourses where appropriate to minimize safety threats. (V09)
- 3.3.12.2 Provide resources to maintain watercourses to avoid clogged channels caused by impediments. (V09)
- 3.3.12.3 Provide resources to hydro seed all bare runoff areas with mature native grasses that can be easily maintained.

Questions - comments - ideas - concepts that are important to me



ENVIRONMENT COMMITTEE WORKBOOK

3.4 Water Resources Policies and Actions

This section addresses policies and actions to protect water resources.

Suggested POLICY

- 3.4.1 Ensure the **long-term** water resource **reliability** **supply and conservation** for **present and future** water utility customers. (V01)

ACTION ideas

- 3.4.1.1 Coordinate measures to protect groundwater resources with watershed plans and planning efforts with appropriate water utilities and jurisdictions. (GP11)
- 3.4.1.2 **Continue to** use Central Arizona Project water for recharge to build long-term storage credits for future use. (GP11)
- 3.4.1.3 **Expand the** use **of** reclaimed water for irrigation of areas such as parks, golf courses, **schools, public facilities and homeowners associations common areas** to reduce the Town's dependence on groundwater resources.* (COMM) (V09)
- 3.4.1.4 Support the construction of reclaimed water and Central Arizona Project water infrastructure to maximize alternative water resource supply and delivery and provide for a diverse water supply portfolio.* (DEV) (GP11)
- 3.4.1.5 **Contribute to and/or participate in partnerships** **Partner** with other jurisdictions to **build a conveyance system** to increase the use of Central Arizona Project water and treated wastewater.* (DEV) (V09)
- 3.4.1.6 Create programs that utilize Advanced Metering Infrastructure (AMI) technology across user groups that encourage self-monitoring and facilitate improved water management practices through early leak detection. (GP11)
- 3.4.1.7 Continue to provide **water audits, public education, incentive programs** **opportunities for education and advocacy** to reduce **residential** water consumption and increase conservation. (GP11)
- 3.4.1.8 **Periodically review and update a drought response plan** as a means to address future Central Arizona Project water shortages.
- 3.4.1.9 **Continue conservation pricing through a tiered rate structure for residential water customers.**

Questions - comments - ideas - concepts that are important to me



ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.4.2 Ensure water quality for water utility customers that meets or exceeds federal and state regulatory requirements. (V01)

ACTION ideas

- 3.4.2.1 Coordinate with appropriate public safety agencies to provide for safe and secure water resources.
- 3.4.2.2 Continue to support the Oro Valley Water Utility and its efforts to monitor water quality **through water quality sampling**. (V02)
- ~~3.4.2.3 Continue to implement the water quality sampling program in accordance with Arizona Department of Environmental Quality regulations. (V02)~~
- ~~3.4.2.4 Continue to review and submit water plans in accordance with Pima County Department of Environmental Quality regulations. (V02)~~
- 3.4.2.5 Implement **measures to increase energy efficiency of water equipment**. ~~the Water Utility Energy Efficiency Program to replace existing pumps and electric motors with more energy efficient equipment.~~ (V02)

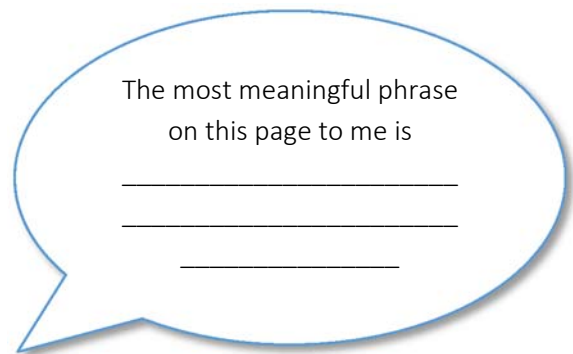
Suggested POLICY

3.4.3 Utilize alternatives to groundwater ~~to the maximum extent feasible~~ to attain sustainable groundwater production rates and reduces groundwater level declines.* (GP11)

ACTION ideas

- 3.4.3.1 Develop plans for the use of alternative sources of water for potable and non-potable uses, including rainwater, gray water, ~~reclaimed~~ waste water effluent and Central Arizona Project water. (DEV) (V09)
- 3.4.3.2 **Explore the expanded use of stormwater harvesting as a means to reduce dependence on groundwater.**
- 3.4.3.3 **Incentivize the use of passive and active rainwater harvesting techniques.*** (V09)

Questions - comments - ideas - concepts that are important to me



The most meaningful phrase on this page to me is

ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.4.4 Protect aquifer recharge areas and wellheads, especially those used to provide public water supplies. (GP11)

ACTION ideas

~~3.4.4.1 Monitor well sites to ensure there is no inflow from surface water runoff or drainage. (V09)~~

3.4.4.2 Implement sustainable irrigation standards **which includes the use of native vegetation appropriate to varying sites.* (V09)**

~~3.4.4.3 which may incentivize the use of rainwater harvesting techniques.* (V09)~~

Questions - comments - ideas - concepts that are important to me

3.5 Cultural Resources Policies and Actions

This section addresses policies and actions to preserve cultural resources.

Suggested POLICY

3.5.1 Preserve archaeological, cultural, and historic resources within Oro Valley.* (DEV) (GP10)

ACTION ideas

3.5.1.1 Pursue grants and other funding mechanisms to provide for the protection and preservation of cultural resources or resources of value to local culture.* (V09)

3.5.1.2 Identify significant cultural resources, including people, events, and activities and establish a management plan for the preservation of archaeological, historical, and cultural resources within the Town.* (COMM) (GP10)

3.5.1.3 Mitigate the potential effect of development projects on significant prehistoric and historic resources during the planning and design processes.* (ENV) (V09)

3.5.1.4 When opportunity exists, trade or purchase properties of significant cultural resource value that enhance the history of Oro Valley. (GP06)

3.5.1.5 Encourage the preparation of cultural resources assessments by a qualified archaeologist or historian for new development projects.* (ENV) (GP06)



ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.5.2 Provide appropriate public access to and education about Oro Valley's archaeological, cultural, and historic resources in order to enrich the sense of community. (GP10)

ACTION ideas

- 3.5.2.1 Create park and recreational programs and activities which raise community awareness and support of local historic resources. (COMM) (GP08)
- 3.5.2.2 Require interpretive elements related to historic and cultural resource sites be planned for in public use areas and private developments during the development review process.* (DEV) (GP06)
- 3.5.2.3 Develop an ad-hoc committee to revisit the Steam Pump Ranch Master Plan and identify revisions and next steps for the property. (GP06)
- 3.5.2.4 Create a plan for the placement of interpretive elements related to historic and cultural resource sites in existing Town facilities and properties.(DEV)(GP10)

Suggested POLICY

3.5.3 Build and maintain partnerships with federal, state and local agencies and community organizations to preserve, rehabilitate and celebrate historic and culturally significant Town structures and places. (GP03)

ACTION ideas

- 3.5.3.1 Explore potential agreements with public and private entities to ensure appropriate use and preservation of cultural and historical resources for future generations. (GP10)

*Questions - comments - ideas -
concepts that are important to me*

**WHAT IS AN
ACTION?**

*It indicates the specific
actions to take to
fulfill the policies and
the goals!*

ENVIRONMENT COMMITTEE WORKBOOK

3.6 Clean Environment Policies and Actions

The section addresses policies and actions related to creating and maintain a clean environment.

Suggested POLICY

- 3.6.1 Encourage pollution prevention, waste minimization and recycling in all sectors of municipal, business, institutional and residential operations throughout the Town. (COMM) (V09)

ACTION ideas

- 3.6.1.1 Develop an Oro Valley awards program to recognize sustainable practices in the private sector. (GP11)
- 3.6.1.2 Establish development incentives for projects demonstrating an exemplary commitment to sustainability. (DEV) (GP06)
- 3.6.1.3 Collaborate with the private sector to offer recycling stations and clean composting sites throughout the Town. (V09)
- 3.6.1.4 Explore the creation of a Town-wide recycling program. (V09)

Suggested POLICY

- 3.6.2 Strive to protect the public from the threats of stormwater and potential negative impacts of containments from runoff. (V02)

ACTION ideas

- 3.6.2.1 Enforce stormwater controls to prevent aquifer pollution and the erosion or siltation of washes.* (V09)
- 3.6.2.2 Develop public education materials on the impacts of urbanization and potential public actions to minimize the negative effects on the environment and stormwater quality. (GP11)
- 3.6.2.3 Continue to support community programs such as the Buffel Busters and Adopt-A-Roadway/Trail/Wash programs to support Town efforts for stormwater management. (V09)

Questions - comments - ideas - concepts that are important to me



ENVIRONMENT COMMITTEE WORKBOOK

Suggested POLICY

3.6.3 Lead efforts which contribute to regional reduction in air pollution and greenhouse gas emissions. (DEV) (V09)

ACTION ideas

3.6.3.1 Negotiate agreements with transit providers and organizations with large fleets of vehicles to utilize “green” fuel and reduce emissions/air pollution. (V09)

3.6.3.2 Work to protect air quality by creating programs to control construction dust and encourage the use of natural gas, multimodal transportation, rideshares and renewable resources. (V09)

Suggested POLICY

3.6.4 Increase energy savings through gains in efficiency, conservation and use of renewable resources throughout the community. (V09)

ACTION ideas

3.6.4.1 Adopt the most up-to-date International Code Council (ICC) Energy Conservation Code in concert with regional jurisdictions and stakeholders. (DEV) (V09)

3.6.4.2 Create programs that incentivize the use of clean alternative energy in business, institutional and residential settings in order to enhance environmental quality. (V09)

3.6.4.3 Review, identify and address Town polices and ordinances that are potentially detrimental to renewable energy production. (V09)

3.6.4.4 Work collaboratively with regional partners to create and maintain web-based information portals such as Solar One Stop, uniform renewable energy standards, submittal requirements, electronic permitting, and inspection procedures. (V09)

3.6.4.5 Assess emerging renewable technologies for potential application in Oro Valley. (V09)

3.6.4.6 Create programs to increase awareness of the substantial energy involved in water delivery in order to reduce consumption of energy and water resources. (DEV) (V09)

*Questions - comments - ideas -
concepts that are important to me*

ENVIRONMENT COMMITTEE WORKBOOK

For your committee's consideration: other related goals, policies and actions

The **Community Workbook** includes goals, policies and actions related to the economy, complete community and Town services, facilities and buildings. Policies and actions related specifically to the Environment Committee are included here.

Suggested POLICY 4.4.3 Link existing and planned neighborhoods with parks and open spaces by incorporating path and trail facilities. (GP10)

ACTION ideas to be developed during Community Committee process.

Additional policies and actions may be added to this list as preliminary work continues.



The **Development Workbook** includes goals, policies and actions related to land use and design, development and growth areas and infrastructure. Policies and actions related specifically to the Environment Committee are included here.

Draft GOAL 5.2.1 A quality built environment fostered through the harmonious design and integration of landscape, architecture, and open space and conservation elements. (ENV) (GP06)

Draft GOAL 5.2.5 Environmental stewardship, natural resource protection and energy efficiency in land use planning, and in transportation planning, design, construction and management. (ENV) (V02)

Draft GOAL 5.2.7 Integration of the built and natural environments to provide for safety, resiliency and an enhanced natural environment.* (ENV) (GP06)

Suggested POLICY 5.3.1 Promote land use practices that reduce energy consumption, improve air quality, and conserve and protect groundwater and natural resources. (ENV) (V02)

ACTION idea 5.3.1.1 Develop land use guidelines that discourage sprawl, preserve open space and result in walkable neighborhoods. (ENV, COMM) (V02)

Suggested POLICY 5.3.3 Coordinate land use and transportation planning to ensure neighborhoods, retail and employment areas are supported by a variety of transportation options. (GP05)

ACTION idea 5.3.3.1 Create a land use plan for high density development along existing or planned transit corridors to minimize vehicle trips and improve overall air quality.* (ENV) (GP05)

Suggested POLICY 5.3.5 Promote compact development techniques and opportunities such as clustering, transfer of development rights, and density bonuses in order to preserve environmentally sensitive land areas and minimize development impacts on natural rolling terrain.* (ENV) (GP06)

ACTION idea 5.3.5.1 Continue to regulate through development controls, flexible design options, conservation subdivision design and clustering of

ENVIRONMENT COMMITTEE WORKBOOK

developments to ensure conservation of environmentally sensitive land areas.* (ENV) (GP06)

ACTION idea 5.3.5.2 Promote existing incentives and flexible development options to ensure land use intensity and density can be achieved in harmony with conservation goals.* (ENV) (GP06)

Suggested POLICY 5.3.12 Encourage new development and redevelopment projects to be LEED certified (or similar) green buildings and to serve as models for the community. (ENV) (GP06)

ACTION ideas to be developed during Development Committee process

Suggested POLICY 5.3.13 Enhance the character and role of physical and visual corridors such as trails, transit lines, major streets and significant public views. (ENV) (V10)

ACTION idea 5.3.13.2 Require all new development and improvements to existing development during the review process to maintain and/or enhance the character and quality of views from and along scenic corridors and public parks.* (ENV) (V10)

Suggested POLICY 5.3.14 Encourage water conservation and retrofitting programs for new and existing structures and landscaped areas.* (ENV) (GP11)

ACTION idea 5.3.14.1 Develop ways to educate homeowners associations and commercial property owners on water conservation and the Town's commercial landscape code. (V02)

Suggested POLICY 5.3.15 Continue to encourage the use of water smart landscape design by limiting the use of decorative water features, encouraging the use of native drought-tolerant plant species and increasing the use of water harvesting.* (ENV) (GP11)

ACTION ideas to be developed during Development Committee process

Suggested POLICY 5.3.17 Promote outdoor lighting that enhances safety, circulation, and aesthetics without creating light and glare impacts to adjacent properties or reducing public enjoyment of the night sky.* (V10)

ACTION idea 5.3.17.1 Continue to support efforts to minimize light pollution and adhere to the night skies initiative. (ENV) (V10)

Suggested POLICY 5.5.5 Provide for safety, efficiency and environmentally sensitive design in storm water systems. (V08)

ACTION idea 5.5.5.1 Design major wash crossings to be hydraulically efficient (100-year base flood) and environmentally sensitive with minimum physical or visual disruptions or impacts to riparian areas and wildlife habitat.* (ENV) (V08)

ACTION idea 5.5.5.2 Require detention facilities and/or velocity reduction when necessary to maintain existing storm water runoff flows and velocities in natural drainage systems.* (GP11)

ACTION idea 5.5.5.3 Rehabilitate and enhance Town-owned natural drainage systems, water detention and retention basins, and other infiltration areas for multiple benefits including storm water management. (ENV) (GP11)

ACTION idea 5.5.5.4 Evaluate all public and private development projects during the review process to determine the effects of the projects on on-site and downstream drainage patterns and associated ecological systems.* (ENV) (GP11)

ACTION idea 5.5.5.5 Reexamine current land use designations for areas susceptible to flood damage and rezone as appropriate in order to avoid the inappropriate development of lands and provide for adequate drainage and reduction of flood damage.* (ENV) (V08)

ACTION idea 5.5.5.6 Evaluate storm water management policies and if possible align with water conservation strategies. (V01)

Suggested POLICY 5.5.8 Enhance the Town's community identity through roadway design and develop a hierarchy of streets that differentiate the character of key streets and intersections. (V07)

ACTION idea 5.5.8.2 Develop street standards for four-lane or larger roadways to include landscaped medians with only native vegetation, no permanent irrigation and water harvesting where appropriate.* (ENV) (GP05)

Additional goals, policies and actions may be added to this list as preliminary work continues.