



Sustainability Action Plan 2.0

**Renewing our Commitment
to Peoria's Future**



A comprehensive strategy to improve the quality of life in neighborhoods, enhance the environment through responsible stewardship, and promote awareness and participation throughout the community.





The City of Peoria will be the leader in developing, promoting and improving the quality of life in our community by balancing today's use of natural resources with the needs of tomorrow through environmental stewardship and sustainable practices.

Peoria's Sustainability Mission Statement

Welcome to Peoria's Sustainability Action Plan 2.0!

Recognized as a statewide and regional leader in sustainability and known for our exceptional quality of life, it's no wonder the city of Peoria was ranked seventh in the America's 50 Best Cities to Live list by Yahoo Finance. Our approach to urban planning safeguards our most precious resources through our energy efficiency projects, LEED building designs, open space planning and smart water management principles.

Constant pressures from demands like population growth and rising costs of commodities weigh heavily on upholding this elevated standard of living that we expect, and smart planning requires creative solutions to ensure we address these issues head on. It requires thoughtful and intentional leadership to develop a long-term vision that carries our community into the innovation economy of tomorrow, an economy that demands sustainable practices.

Rather than allowing these challenges to dictate the future of our city, Peoria's Sustainability Action Plan approaches sustainability in a logical and purposeful manner that ensures residents' needs are at the forefront of every decision. We undertake every opportunity to review our policies and practices through the lens of long-term viability.

Environmental stewardship translates to financial stewardship. Our commitment to constructing city facilities according to LEED design standards is a perfect example of this translation, where our efforts have resulted in energy, water and financial savings to our residents.

Peoria's Sustainability Action Plan outlines our goals and objectives and I am proud to see many accomplishments since its inception. I pledge Peoria's continued commitment to economic viability and environmental responsibility as we work with our community to create a world-class city that is sustainable for future generations.

Sincerely,



Cathy Carlat
Mayor, City of Peoria



Foreword

Becoming a sustainable city is more than creating a plan of action. For optimal success, it involves inclusive stakeholder engagement at various levels of government and community representation. Peoria has a history of enjoying and conserving our state's natural resources, and we realize that the health of our local economy and our residents are intricately bound to the health of our environment.

Although we are proud to say that we have been good stewards of the environment, we remain committed to furthering our practices within our operations throughout the community. Being able to manage the complex relationships that impact our daily lives is critical to understanding what the end goal is for all of us.

Sustainable organizations attempt to operate within an environmental, social and economic context. Peoria is no different. Although fiscal savings play a big role in what we do, we are also mindful of the environment and the potential effects of our actions. Peoria's first Sustainability Action Plan was created in 2009 to outline how we could promote and achieve sustainability in our operations and business practices as well as in future development. In this new document, you will see how the City of Peoria has turned ideas into actions and our enhanced vision for the future. This revised Sustainability Action Plan is organized around the following guiding principles:

- Improving the Quality of Life in Neighborhoods
- Enhancing our Environment through a Commitment to Responsible Stewardship
- Leadership by Example
- Awareness and Participation throughout the Community
- Environmental Quality and Economic Health are Interdependent
- Local Actions have Regional and National Implications

Through seeking balance, among all aspects of sustainability, Peoria will become a steward of natural and economic resources while taking into account the needs of future generations. This publication serves as a guidebook and an educational tool as we continually assess alternatives that address relevant community goals. Thank you for your interest in Peoria's quest for a brighter and more sustainable tomorrow.



The city of Peoria strives to be a leader in sustainability by continuously working to develop projects that have a positive lasting effect on our environment.

Acknowledgements

Mayor and Council



Cathy Carlat
Mayor



Bridget Binsbacher
Vice Mayor



Jon Edwards
Councilmember



Michael Finn
Councilmember



Vicki Hunt
Councilmember



Carlo Leone
Councilmember



Bill Patena
Councilmember



Council Policy Goals

Positioning Ourselves for the Future

- *Community Building: Preserve and Expand Our Quality of Life*
- *Enhance Our Current Services*
- *Preserve Our Natural Environment:*
- *Total Planning*
- *Economic Development*
- *Leadership And Image*

Acknowledgements

City Management



Carl Swenson
City Manager



Susan J. Daluddung
Deputy City Manager



Jeff Tyne
Deputy City Manager



Julie Arendall
Deputy City Manager



The City of Peoria team members share a commitment to provide quality service for our community.

We are:

Professional

Ethical

Open

Responsive

Innovative

Accountable

...and **SUSTAINABLE!**

City Leadership



Steve Burg
Acting
City Attorney



Chief Roy Minter
Police Department



Chief Bobby Ruiz
Fire Department



Rhonda Geriminsky
City Clerk



Katie Gregory
Budget Department
Director



John Sefton
Community
Services Director



Scott Whyte
Economic Development
Director



Andy Granger
Development and
Engineering Director



Brent Mattingly
Finance Department
Director



Laura Krause
Human Resources
Director



John Imig
Information
Technology Director



Thomas Adkins
Intergovernmental
Affairs Director



Chris Jacques
Planning and
Community Development
Director



Jennifer Stein
Public Information
Manager



Stuart Kent
Public Works - Utilities
Director

Overview

The City of Peoria demonstrated its commitment to promoting a more sustainable future when we completed our first Sustainability Action Plan in 2009. Much of our current success can be attributed to the steadfast focus on the specific initiatives outlined in that plan.

Staff has continually monitored the goals in this original action plan to ensure that we are able to deliver on our commitment. Peoria's progressive approach to sustainability focuses on not only what is good for our environment, but also on fiscal responsibility.

As its program continues to mature, Peoria is seeking to update its Sustainability Action Plan to create a forward-looking visioning document. This revised plan is organized around the following Guiding Principles:

Improving the Quality of Life in Neighborhoods

The city recognizes that sustainability initiatives must aim at creating and enhancing a thriving, safe and secure community for all citizens and across all generations.

Enhancing our Environment through a Commitment to Responsible Stewardship

The city is committed to implementing policies and programs that protect the quality of our air, water and natural open spaces. The city is also committed to promoting the use of renewable energy while reducing our overall consumption of resources through encouraging recycling and water conservation.

Leadership by Example

The city is dedicated to implementing sustainable policies and practices in municipal operations without compromising the high levels of services that our citizens expect.

Awareness and Participation throughout the Community

The city will foster an ethic of conservation and stewardship in the community by working in partnership with individual citizens, schools, businesses, and community-based groups to create, sponsor and promote sustainable awareness.

Environmental Quality and Economic Health are Interdependent

The city is committed to expanding and diversifying our economy, while promoting the use of sustainable products and practices by existing businesses and residents, as well as in municipal operations.

Local Actions have Regional and National Implications

The city realizes that its actions are part of a larger community interest. Accordingly, our sustainable initiatives will make a significant contribution and seek to support regional and national sustainability efforts.



The City of Peoria gets it! It is clear that our actions OR inactions will impact future generations, which is why we have vowed to do everything possible to get it right the first time.

Contents

Following the city's six Guiding Principles, a cross-department team identified broad focus areas, along with specific goals and objectives for each, to help direct future sustainability efforts. Each member of Peoria's staff has a role in advancing these sustainability goals through their actions. The successful implementation of the identified goals and objectives will ensure Peoria is competitively positioned for future success while preserving the quality of life for future generations.

Management Practices

Ensure that the city's guiding sustainability principles are included in decision-making processes and operational procedures.

Education and Outreach

Education and communication are powerful tools for fostering sustainable innovation and change. A progressive education and outreach program will help employees and residents understand their role in sustainability along with providing positive encouragement for their efforts.

Municipal Facilities

Public buildings and facilities need to incorporate sustainable features to optimize their usefulness and public benefit. Peoria is committed to developing standards and practices to make city buildings more efficient.

Community Building

Through design standards, Peoria can create areas that work together as a cohesive community. The city is committed to promoting the development of environmentally responsible buildings and creating vibrant, pedestrian-friendly, mixed-use neighborhoods.

Transportation

Trips by Peoria residents, visitors and daily business travelers have an effect on the overall quality of life and the environment. Choosing alternative modes of transportation, along with clean technology vehicles, can help reduce congestion and lessen our environmental impact. Peoria is also committed to developing efficient and environmentally responsible transportation networks.

Recycling and Waste Reduction

Purchasing items with recycled content and selecting products that last longer are common ways to reduce waste. Peoria is committed to reducing the use of disposable products/systems and expanding our city-wide recycling program.

Water Resources

In the arid southwest, water is one of the most precious resources. Managing water supplies and usage will help ensure long-term water resources for Peoria's current and future residents.



Peoria is committed to providing an environment in which our natural resources, our people and our economy are balanced. We will not compromise the future by focusing solely on the needs of today.

Accomplishments

Major Accomplishments Since 2012

- Since 2012, the City of Peoria has included LEED certification as a practice to ensure energy efficient and sustainable building design in all new and major renovation building projects. Since then, the city has surpassed its original goal of LEED Silver and has received LEED Gold for its Municipal Court building, Sports Complex and Community Center.
- By implementing LEED standards, the Sports Complex alone has a combined annual water savings of 322,700 gallons and annual electricity savings of 1,126,418 kWh. Also, 36% recycled building materials and 1,323 tons of construction waste diverted was diverted from the landfill.
- Since 2012, the city added 20 additional miles of new bike lanes to our streets bringing our total to 110 miles of bike lanes.
- In 2015, the City of Peoria adopted Adopted Sonoran Preservation Program which identifies and prioritizes open space focus areas for acquisition and/or conservation. The following year, the city purchased 85 acres of Sunrise Mountain ensuring that this iconic mountain will be open for future generations.
- In 2015, the City of Peoria established the Office of Sustainability and the city's first sustainability manager position who coordinates and leads the advancement of the city's sustainability goals.
- In 2015, the City of Peoria along with community stakeholders built its first Community Garden. Community leaders, Peoria's Explorers, Peoria High School's FBLA group, Habitat for Humanity and more came together to transform a vacant lot to a flourishing garden.
- In 2015, the City of Peoria unveiled its latest planetary defenders. Peoria's Desert Defenders consists of three superhero who are each tasked with one earth saving mission. Their goal is to inspire, educate and motivate our youth to take action and become the next generation of environmental stewards.
- In 2015, the City Clerk's office along with the City Council (during their council meetings), were the first to eliminate one-time use plastic water bottles. Other departments soon followed by beginning the process of phasing out one-time single water bottle use. Additionally, fountains that accommodate the filling of reusable water bottles have become the city standard in addition to beginning the process of changing out traditional water fountains.
- In 2016, the City of Peoria hosted the 2nd Annual Project WET Water Festival with more than 850 4th grade students who enjoyed one full day of learning about water.
- In 2016, Inventory Control recycled 105,041 pounds of scrap metal valued at \$58,000. Scrap metal includes steel, brass, copper and old water meters. Since the beginning of 2016, 1,829 old plastic trash cans and plastic parts that are no longer usable are recycled at a plastics recycler and valued at \$6,907.
- In 2016, the City of Peoria conducted its first ASHRE level 3 energy audit to establish energy benchmarks in 20 city facilities in order to begin the process of implementing progressive energy reduction measures.



Keep Peoria Beautiful

In 2014, 250 volunteers removed nearly three tons of trash and 58 tires from the New River bottom during its annual river and trail cleanup event.



LEED Design Standards

The City of Peoria recognizes the value in Green Building Design which is why it has implemented the practice of building all new city owned buildings and major renovations to LEED standards. This ensures that city buildings are resource efficient by using less water and energy while saving money!

- In 2016, the City of Peoria had its inaugural PlanetPalooza Earth Festival showcasing various artists, storytime with Mother Earth, working renewable energy educational display, handcrafted vendors, all-electric vehicle car show and various educational booths and activities.
- In 2016, the City of Peoria conducted an extensive energy audit of city facilities looking for opportunities to reduce energy consumption while exploring opportunities to expand solar.
- In 2014, the City of Peoria launched its Sustainable University which offers Peoria residents year-long workshops to increase their understanding of sustainability by focusing on topics that enhance their learning while saving them money. The highest reported attendance for a single workshop was 74 participants.
- Between 2012 and 2016, the City of Peoria's has diverted 56,960 tons of household recyclable materials from landfills. That's 23% of our total solid waste stream.
- In 2013, in partnership with Habitat for Humanity, two homes were certified LEED Silver saving families energy and money while also saving the environment Habitat for Humanity continues to build homes according to LEED standards.

Major Accomplishments Since 2009

- Between 2009 and 2011, the city's total annual electrical usage has been reduced 7.7%, saving almost 5.4 Million kilowatt hours (kWh) per year.
- Since February 2008, we reduced the annual electrical consumption at the City Hall Complex by 22%, which has saved an average of \$72,000 per year.
- In January 2010, we installed a solar photo-voltaic (PV) system at the Beardsley Water Reclamation Facility Operations building. The system has offset 30% of the building's annual electrical needs, saving over 320,000 kWh per year.
- In May 2010, we installed wind turbines at a fire station located near Lake Pleasant. The system has offset 24% of the annual electrical needs for the building.
- Between 2010 and 2012, the city added 24.5 miles of new bike lanes to our streets.
- Since 2010, we have converted over 2,200 lights at 16 sites to newer Light Emitting Diode (LED) units, which is estimated to have saved the city over 1 Million kWh per year.
- Since 2009, we have eliminated 79 vehicles from the city's fleet by removing underutilized vehicles, extending vehicle lives and revising vehicle purchase standards. These and other changes have saved over \$1 million annually in operating costs.
- In April 2010, Peoria became the first city in Arizona to use a hybrid solid waste/recycling truck, which uses an average of 20% less fuel than a standard truck.
- In 2010, the city adopted the Peoria Sports Complex Urban Design and Old Town Revitalization Plans, which established goals to create vibrant, pedestrian-friendly, mixed-use areas.



The City of Peoria was recognized for its leadership in sustainability by winning three top awards and an award of merit at Arizona Forward's Environmental Excellence Annual Awards event.

From top left to right: Community Services Director John Sefton, Councilman Jon Edwards, City Manager Carl Swenson, Councilman Bill Patena, Design and Construction Manager Ed Striffler, and Engineering Director Andy Granger. From bottom left to right: Deputy City Manager Susan Daluddung, Councilmember Vicki Hunt, Mayor Cathy Carlat and Economic and Efficiency and Sustainability Manager Lisa Estrada.

Awards and Certifications Received Since 2012

- In September 2015, Arizona Forward awarded the City of Peoria the Crescordia Award for Peoria's Sustainable U Public Education and Outreach Program.
- In September 2014, Arizona Forward awarded the City of Peoria's city hall "Green Campus" with an award of merit for its sustainable features throughout the complex.
- In September 2016, Arizona Forward awarded the City of Peoria received the highest number of Crescordia Awards in one year and more than any city in Arizona for the Peoria Sports Complex, Peoria's Community Garden and Peoria's Desert Defenders. The city also received an award of merit for its Sonoran Preservation Program.
- In October 2016, the American Planning Association awarded the City of Peoria with the Best Master Plan/Project Study
- In November 2016, Valley Metro awarded the City of Peoria a Clean Air Award for Maricopa County Outstanding Travel Reduction Program.
- In 2015, the City of Peoria won the American Public Works Association Public Works Project of the Year Award.
- In 2015, the City of Peoria won the U.S. Green Building Council (Arizona Chapter) Heavy Medals Award for the Peoria Sports Complex Improvements and achieving LEED Gold Certification



Peoria is committed to providing an environment in which our natural resources, our people and our economy are balanced. We will not compromise the future by focusing solely on the needs of today.

Award-Winning Programs

The City of Peoria's Community Gardens, Desert Defenders and Sports Complex won three Crescordia Awards and an Award of Merit for its Sonoran Preservation Program.



Awards and Certifications Received Since 2009

- Peoria has shown its commitment to sustainable design principles by funding eleven staff members to become accredited in the Leadership in Energy and Environment Design (LEED) Program.
- 2009 American Public Works Association (APWA) Large Environmental Project of the Year Award for the Butler Drive Water Reclamation Facility.
- 2010 U.S. Green Building Council's Arizona Chapter Big Green Award for Corporate Green Programs & Practices for our citywide green programs and practices.
- Bill Mattingly, Peoria's Public Works Utilities Director, received the 2010 APWA Charles Walter Nichols Award for Environmental Excellence.
- 2010 Globe Award for Environmental Excellence from the Transportation Development Foundation for Happy Valley Road between 67th Avenue and Lake Pleasant Parkway.
- In 2011, the city obtained LEED Gold certification for the Municipal Court Building expansion project.
- In 2012, the city obtained the ENERGY STAR certification for the Development and Community Services Building.



The City of Peoria recognizes that environmental stewardship also translates to fiscal stewardship. Integrating sustainable practices saves money and the environment creating a win-win for the community.



SUSTAINABLE

CITY OF PEORIA, ARIZONA

Education and Outreach

Education and communication are powerful tools for fostering sustainable innovation and change. A progressive education and outreach program will help employees and residents understand their role in sustainability along with providing positive encouragement for their efforts.

Incorporate sustainability into the city's communication and outreach efforts.

- Increase the awareness of energy efficiency and renewable energy opportunities in homes and other buildings through education and incentive programs.
- Provide education to developers and residents on the importance of proper landscape design, materials and maintenance.
- Form community partnerships to drive change and encourage cooperation in sustainable practices.
- Provide awards and recognition to individuals and organizations that further Peoria's sustainability efforts.

Expand access to informational resources on sustainability.

- Develop a "Sustain and Gain" University. Integrate curriculum with the existing Peoria Leadership Institute.
- Make Peoria home to a signature sustainability event such as an International Film Festival for environmental documentaries.
- Provide information related to community gardens.



Peoria's Sustainability Super Heroes

The City of Peoria's Desert Defenders; Water Woman, The Generator and Recyclone are the city's newest planetary superheroes. In partnership with Theater Works, these actors set out to educate, empower and inspire Peoria's youth to pledge to do something in their everyday lives to protect planet earth.

Peoria's elected officials have continued to show their commitment to sustainability. In 2010, Peoria's sustainability goals and objectives were first incorporated into the city's General Plan. In 2012, the City of Peoria was one of three cities in Arizona to have a council adopted Sustainability Action Plan.



Management Practices

Ensure that the city's guiding sustainability principles are included in existing decision-making processes and operational procedures.

Incorporate Sustainability into the city's decision-making process.

- Develop a Sustainability Scorecard to monitor the city's progress toward improving sustainable performance.
- Explore ways to encourage public input and participation in setting direction for sustainable initiatives.

Provide resources for the implementation of sustainability programs.

- Identify ongoing funding for staff, projects and programs related to sustainability.



Energy management

The City of Peoria continues to examine ways to reduce energy use in city buildings. Through a cohesive team approach, city employees are well positioned to realize opportunities for efficiencies and cross-departmental collaboration.



Sports Complex Urban Sustainable Design

Transforming the area near the existing Sports Complex into a vibrant, pedestrian-friendly mixed-used community.

Community Building

Through design standards, Peoria can create areas that work together as a cohesive community. The city is committed to promoting the development of environmentally responsible buildings and creating vibrant, pedestrian-friendly, mixed-use neighborhoods.

Continue to implement the principles and policies of balanced land uses and connected places to create vibrant, pedestrian-friendly areas and neighborhoods.

- Promote interesting and diverse mixed-use areas that are destination-oriented and pedestrian-focused.
- Promote and/or incentivize sustainable development that advances traditional neighborhood design principles.

Create opportunities for residents to work and live in Peoria to reduce the environmental impact caused by commuting.

- Incubate, attract and retain businesses and industries to expand and diversify Peoria's economy.
- Promote infill development of Peoria's existing neighborhoods through reuse and revitalization efforts.



Farmer's Market

Since 2012, Momma's Organic Farmer's Market has been growing strong. Thousands of visitors visit Peoria's Park West to shop for fresh fruits and vegetables, handcrafted items from local vendors and unique flavors from local food trucks.

New Team Clubhouses

Taking Peoria to a new sustainability level started with the Seattle Mariners and San Diego Padres Clubhouses, which are only one of two professional baseball facilities in the Cactus League that have earned the distinction of LEED Gold Certification from the U.S. Green Building Council. The city's commitment to building to LEED standards has set a precedent for building stadiums in sports industry and has truly been a game changer.



Municipal Facilities

Public buildings and facilities need to incorporate sustainable features to optimize their usefulness and public benefit. Peoria is committed to developing standards and practices to make city buildings more efficient.

Increase energy efficiency in new and existing city facilities.

- Continually evaluate and improve the energy performance of city buildings.
- Design and construct new municipal facilities to allow them to be adapted to the changing needs of the community and government services.

Increase the use of renewable energy in city operations.

- Develop a public/private partnership to provide renewable energy resources.
- Utilize renewable energy technologies in city facilities to offset energy consumption.

Require LEED silver certification or higher of new and remodeled city building construction.

- Adopt a Resolution requiring all new and major renovation building projects to obtain LEED Silver certification or higher.



LEEDership in Action

Kathy Sponsel, Construction Project Coordinator, LEED AP Building Design + Construction manages the City's green building design projects.



84th Avenue Streetscape

This project improved the walkability and bikeability of Peoria's Old Town by widening sidewalks, adding landscaping and installing traffic calming measures. The shade trellises use solar-powered lights to offset electrical energy use.

Transportation

Trips by Peoria residents, visitors and daily business travelers have an effect on the overall quality of life and the environment. Choosing alternative modes of transportation, along with clean technology vehicles, can help reduce congestion and lessen our environmental impact. Peoria is also committed to developing efficient and environmentally responsible transportation networks.

Promote alternative forms of transportation by providing improved infrastructure for pedestrian, bicycling and transit travel options.

- Ensure that pedestrian, bicycling and transit travel options are provided in new and existing streets.
- Ensure that there are transportation choices for people of all ages and abilities.
- Expand the existing multimodal trail system to connect major commercial/residential centers throughout Peoria.

Increase the efficiency of existing and planned roadways and transportation infrastructure.

- Expand the existing bicycle lane network and ensure that it is fully connected into the regional bicycle system.
- Utilize techniques to optimize traffic flow while minimizing congestion and automobile-generated air pollution.
- Utilize techniques to shift peak traffic flows in order to reduce congestion.

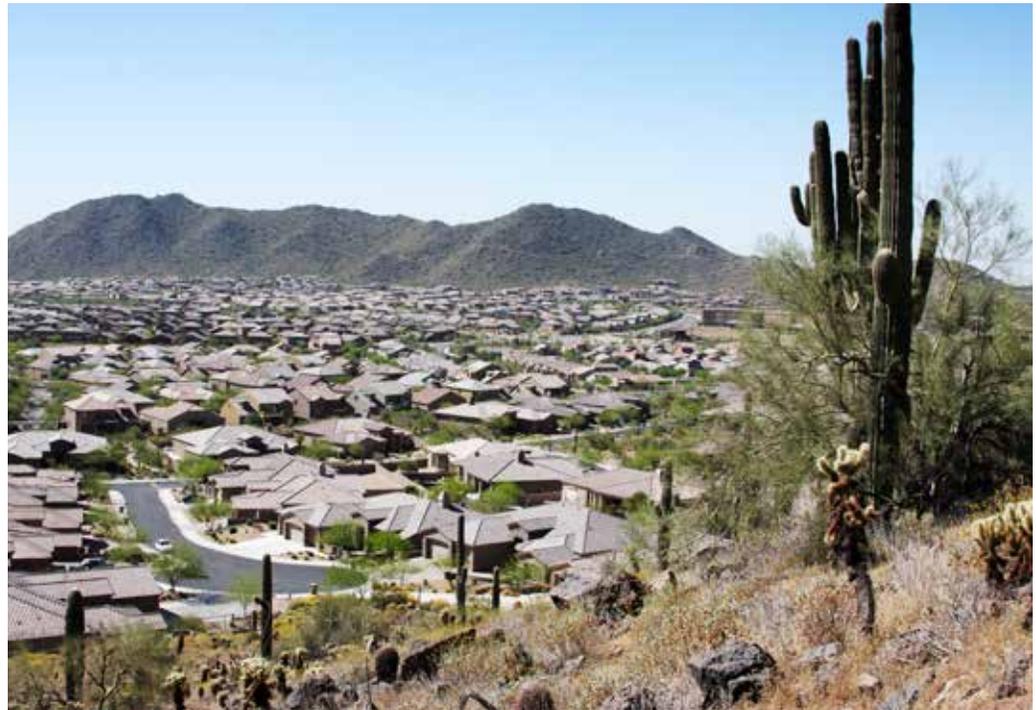


Electric Vehicle Charging Stations

Peoria has partnered with ECOTality to have electric vehicle charging stations installed at three city facilities. These charging stations will help create the infrastructure to support this new vehicle technology.

Integration of Development and Natural Environments

Peoria is committed to ensuring that development preserves the natural open spaces that make our city unique.



Peoria's Mountain Trails

The trail system provides a way for residents to enjoy our abundant natural resources.

Create a sustainable community through infrastructure and architectural designs.

- Design and construct city buildings and facilities to demonstrate excellence in sustainable design.
- Develop strategies that reduce the heat island effect, including landscaping, cool roofs, shade, paving materials, reduction of pavement and other best practices.

Increase the amount of sustainable building occurring in the city.

- Develop programs that provide education and incentivize the use of sustainable building practices and technologies.

Protect and preserve the city's natural and historic resources for future generations.

- Develop strategies and programs to protect environmentally-sensitive areas, lands with high scenic value and historic/cultural resources.



Hybrid Solid Waste/ Recycling Vehicles

Peoria was the first city in Arizona to use hybrid solid waste/recycling trucks, which are 20% more fuel efficient than a standard truck.

Recycling and Waste Reduction

Purchasing items with recycled content and selecting products that last longer are common ways to reduce waste. Peoria is committed to reducing the use of disposable products/systems and expanding our city-wide recycling program.

Increase recycling throughout the community.

- Increase opportunities for residential, commercial, multi-family and municipal recycling in the community.
- Provide recycling opportunities for visitors to city buildings and parks.

Decrease the overall amount of waste to be disposed of in landfills and promote responsible consumption.

- Decrease the use of disposable and non-renewable products in city operations and community-wide.
- Increase the awareness of responsible consumption to promote community-wide reductions of disposable and non-renewable products.
- Create a composting program to divert waste and generate a long-term sustainable product.

Develop procurement guidelines for sustainable purchasing practices.

- Increase the city's use of environmentally-preferable products and services where feasible. Evaluate alternatives for environmentally-friendly products and supplies.



Ban the Plastic Bottle

In 2015, the city Clerk's Office received the Environmental Excellence Award for their leadership as the first city department to "Ban the Bottle."

Traffic Management Center

Peoria's Traffic Management Center allows staff to monitor and improve the operation of the city's roadway system in real time.



Beardsley Connector Roundabout

Peoria has started to install roundabouts at several intersections to assist traffic flow, to eliminate the energy used by traffic signals and enhance the walkability of the intersections.

Improve the fuel efficiency of city vehicles through the use of alternative fuels or fuel-efficient technologies.

- Continue to evaluate the city fleet's fuel standards and fleet procurement practices.

Provide incentives for the use of low-emission, high-efficiency, alternative fuel or electric vehicles.

- Provide designated parking spaces for low-emission, high-efficiency, alternative fuel or electric vehicles.
- Promote the installation of alternative fueling stations throughout the community.

Require the construction of efficient and environmentally responsible infrastructure.

- Utilize industry-recognized Best Practices in the design and construction of transportation networks.



Butler Drive Water Reclamation Facility

In 2008, Peoria completed the construction of the Butler WRF which provides the city with a long-term renewable water supply.

Water Resources

In the arid southwest, water is one of the most precious resources. Managing water supplies and usage will help ensure long-term water resources for Peoria's current and future residents.

Conserve water supplies through proactive measures to increase water conservation and lower water consumption.

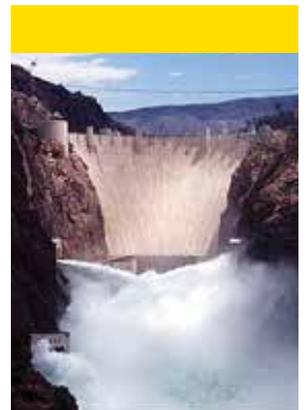
- Promote individual water conservation through the use of low-flow plumbing fixtures and Xeriscape landscape principles.
- Continually evaluate and improve the water consumption of city facilities and infrastructure.

Expand the reclaimed and non-potable water systems to ensure the city is "using the right water for the right use."

- Treat water for only its intended purpose (potable, irrigation, etc.).
- Expand the reclaimed water and the non-potable water systems.

Increase energy efficiency in new and existing water, wastewater and reclaimed water systems.

- Continuously evaluate and improve the operational performance of the city's water systems to reduce energy demands.



Hoover Dam Hydropower

Water is POWERful! Water sustains life on earth but it also provides clean hydro-electric power! The City of Peoria has been allocated a little more than 1.5 million kilowatt-hours of energy from the Hoover Dam. This offsets 5% of the Butler Water Reclamation Facility's total use saving the city \$200,000 over the next ten years.

Sustainability Champions

Special thanks to the following individuals for their commitment towards making sustainability part of our daily lives and for assisting in updating Peoria's Sustainability Action Plan. Their willingness to participate, engage and move the City of Peoria forward makes our community stronger, healthier and of course – more sustainable. Congratulations!

Workgroup Members

Robin Bain, *Water Resources and Environmental Manager*

Beckie Borquez, *Environmental Coordinator*

Alan Dulaney, *Water Resources Supervisor*

Lisa Estrada, *Economic Efficiency and Sustainability Manager*

Jake Eason, *Sports Complex Supervisor*

Rhonda Humbles, *Deputy Public Works-Utilities Director*

Aaron Frank, *Senior Planner*

Kyle Kobashigawa, *Facilities Manager*

Jody Latimer, *Environmental Resources Supervisor*

Adam Pruett, *Senior Planner*

Jamal Rahimi, *City Traffic Engineer*

Mindy Russell, *Management Assistant*

Jared Spangler, *Facilities Technical Oper. Sup*

Kathy Sponsel, *Construction Projects Coordinator*

Tonya Stuempfl, *Librarian*

Ed Striffler, *Design and Construction Manager*

Andrea Traganza, *Recreation Coordinator*

Beth Ullinger, *Senior Executive Assistant*

Erik Wilson, *Right of Way Contract Supervisor*

Dan Zenko, *Materials Management Supervisor*



Peoria's LEED Green Associate Staff

Peoria has shown its commitment to sustainable design and operations by funding staff to become accredited in the USGBC Leadership in Energy and Environmental Design (LEED) program.



Next Steps

- Analyze the results of the recently completed extensive energy audit to look for ways to reduce energy consumption in city buildings while also exploring opportunities for solar expansion in city facilities.
- STAR Community Rating System: Conduct a thorough citywide sustainability assessment which includes city operations and the community-at-large.
- Utilize STAR results to benchmark and measure sustainability goals that enhance Peoria's quality of life while maintaining the city's fiscal strength.
- Advance the city's quality of life by continuing to integrate sustainability in the upcoming General Plan Update. Establish goals that combine health and the built environment through sustainable land use design resulting in livable and vibrant neighborhoods and ultimately a healthy city.
- Continue to foster existing community partnerships while developing new ones to expand the city's reach. Existing partnerships include Arizona State University's Sustainable Cities Network, Theater Works, Arizona Forward and PUSD. Additional partnerships for consideration are the Maricopa Food Coalition, local non-profits and foundations and other private sector organizations.



City of Peoria
SUSTAINABILITY

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