

Sustainable Action Plan for County Operations

# Interim Report Card

FY 2013/2014



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We live in an era marked by great challenges; a rapidly growing population, shrinking resources, aging infrastructure, a changing climate, and an evolving economy, all of which will play a role in determining our community's future success and quality of life. The cost of energy, food, water, building materials and health care all continually rise.

Pima County recognizes the increasing need to address sustainability in its operations while making it more resilient to these challenges and is taking advantage of this opportunity to rethink how government services are provided in the 21st century.

With present and future generations in mind, the County seeks to integrate sustainability into every facet of its operations. It recognizes the role and responsibility of public agencies to protect and conserve natural resources and use financial resources effectively and efficiently, while implementing policies and practices that can be continued indefinitely without adversely impacting the quality of life of its residents.

Pima County strives to create and maintain a sustainable community that promotes individual well-being and opportunity, sound resource conservation and stewardship, and a strong and diverse economy for all of its residents both current and future.

On May 17, 2014, the Pima County Board of Supervisors adopted the 2014 Sustainable Action Plan for County Operations, which seeks to achieve a "balance between economic development, social well-being and environmental protection to ensure the needs of current generations can be met without compromising the ability of future generations to meet their own needs." The 2014 Plan serves as the first major five-year update to the 2008 Sustainable Action Plan for County Operations. The Plan sets aggressive five-year targets for each of the Plan's nine goal areas:

- Minimizing the Carbon Footprint of County Government
- Renewable Energy and Energy Efficiency
- Green Building
- Alternative Fuel Vehicles
- Water Conservation and Management
- Land Conservation and Management
- Waste Reduction
- Green Purchasing
- Health and Wellness

Measuring progress is crucial to the success of Pima County's Sustainability efforts. The purpose of this report card is to provide transparency and inform County decision makers and the broader community about its progress toward meeting the goals and targets outlined in the Sustainable Action Plan. It is intended to highlight areas where the County is performing well by meeting targets and to help identify those areas requiring additional attention, where adjustments are needed in order to achieve the targets. The data reported herein will be used to establish new baselines for the 2014 Plan.

Visit [webcms.pima.gov](http://webcms.pima.gov) to view the 2014 Sustainable Action Plan for County Operations.

# FY 2013/2014 Noteworthy Accomplishments

- Developed the 2014 Sustainable Action Plan for County Operations.
- Partnered with the Pima Association of Governments to complete and publish its third greenhouse gas inventory.
- Completed construction of the new Pima County Public Service Center to LEED Gold Standards.
- Partnered with the City of Tucson and Community Water Coalition to identify 13 riparian areas to be restored utilizing water from the Conservation Effluent Pool.
- Protected native biodiversity by removing invasive species from the Kino Environmental Restoration Project area.
- Acquired the 286-acre Painted Hills property, a prime open space conservation area in the Tucson Mountains.
- Acquired 818 acres of State Trust land to expand Tortolita Mountain Park.
- Completed the Regional Optimization Master Plan (ROMP), which improved water quality in the Santa Cruz River and as a result fish populations have returned including the native Long-fin Dace.



*Kino Environmental Restoration Project*



*ROMP Agua Nueva Water Reclamation Facility*



*Painted Hills*

## Minimizing the Carbon Footprint of County Government

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<p><b>Target 1: Facility Operations</b> By June 30, 2019, the carbon intensity of County facility operations will not exceed the carbon intensity of County facility operations in FY 2013/2014.</p>	Carbon intensity of County facility operations measured in kilograms of CO2e/square foot of building space	• <b>12.52 kilograms of CO2e/square foot</b>
<p><b>Target 2: Wastewater Treatment Operations</b> By June 30, 2019, the carbon intensity of County regional wastewater collection and treatment operations will not exceed the carbon intensity of County wastewater collection and treatment operations in FY 2013/2014.</p>	Carbon intensity of County regional wastewater collection and treatment operations measured in metric tons of CO2e /1,000 gallons of water treated	• <b>2.357 metric tons of CO2e/ million gallons of wastewater treated</b>
<p><b>Target 3: Fleet Operations</b> By June 30, 2019, the carbon intensity of County fleet operations will not exceed the carbon intensity of County fleet operations in FY 2013/2014.</p>	Carbon intensity of County fleet operations measured in grams of CO2e /vehicle mile traveled	• <b>556.28 grams of CO2e /vehicle mile traveled</b>

## Renewable Energy and Energy Efficiency

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<p><b>Target 1: Renewable Energy</b> By 2025, at least 15% of the electricity consumed by County facilities will be generated or offset by renewable sources.</p>	Percentage of electricity consumed by County facilities generated by renewable sources	125,886,652 kWh consumed from all sources 12,921,554 kWh from renewable sources • <b>10.26% generated by renewable sources</b>
<p><b>Sub-Target 1: Biogas</b> Beneficially use 80% per year by June 30, 2019.</p>	Percentage of biogas used for energy production	186,458,567 ft3 of biogas produced 9,838,073 ft3 biogas beneficially used • <b>5% beneficially used</b>
<p><b>Sub-Target 2: Solar</b> Increase the use of solar energy by 4 million kWh by June 30, 2019.</p>	kWh of solar consumed	• <b>12,921,554 kWh of solar consumed</b>
<p><b>Target 2: Energy Efficiency</b> Increase the overall energy efficiency of County facilities 10% by June 30, 2019.</p>	Energy use intensity of County facilities [Combined total Btu (electricity +natural gas) consumed by all County facilities]/ Combined square footage of all County facilities	Electricity: 429,681 MMBtu Natural gas: 88,952 MMBtu Total Btu: 518633 MMBtu Total square footage: 5,119,591 ft2 • <b>101,304 Btu/sqft</b>

## Green Building

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<p><b>Target 1: Energy Efficiency of Facilities</b> By June 30, 2019, at least 10% of County facilities will achieve Energy Star certification.</p>	Percentage of County facilities that have achieved Energy Star certification	• <b>0%</b>
<p><b>Target 2: Facility Construction</b> 100% of all new County-funded buildings designed after June 30, 2008, and 100% of all building additions greater than 5,000 square feet to implement LEED elements sufficient to obtain 50 or more LEED points.</p>	Percentage of ongoing and completed construction projects since July 1, 2014 that implement LEED elements sufficient to obtain 50 or more points	Total number of projects: 4 Projects that meet the target: 3 • <b>75% implement LEED elements sufficient to obtain 50 or more points</b>

## Alternative Fuel Vehicles

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<p><b>Greenhouse Gas Emissions</b> Reduce the ratio of carbon emissions produced by County transportation activities per service population (CO<sub>2</sub>e/Service Population) by June 30, 2019, excluding Sheriff's vehicles, off-road vehicles, and heavy equipment (water trucks, dump trucks, etc.).</p>	Ratio of carbon emissions produced by County operations annually per service population (Quotient of a/b) a. Annual quantity and carbon intensity of fuel consumed b. Number of residents served by County operations	Gasoline: 4,799,299 kgCO <sub>2</sub> e Diesel: 88,993 kgCO <sub>2</sub> e Total: 4,911,019 kgCO <sub>2</sub> e 358,172* residents served by County operations • <b>13.71 kgCO<sub>2</sub>e/ resident served</b>

\* Based on July 1, 2013 Arizona Department of Administration Population Estimate

## Water Conservation and Management

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<b>Target 1: Water Consumption in Facilities</b> Reduce building water consumption intensity (gallons/ ft2) by at least 10% by June 30, 2019.	Quantity of water consumed by County buildings per square foot	Data not available
<b>Target 2: Reclaimed Water at County Parks</b> Increase the number of County parks and miles of trail served by reclaimed water by 10% by June 30, 2019.	Number of County parks and number of miles of County trails served by reclaimed water	• <b>6 parks</b> • <b>24.7 miles of trail</b>
<b>Target 3: Establishing and Maintaining Natural Habitat</b> Expand the number of acres of natural habitat established or maintained by County renewable water sources by 5% by June 30, 2019.	Acres of natural habitat established or maintained by County renewable water as of June 30, 2014	• <b>480.5 acres</b>

## Land Conservation and Management

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<b>Target 1: Cultural Resources</b> Conserve cultural resources and historic properties.	<b>Indicator 1:</b> Number and types of sites conserved <b>Indicator 2:</b> Information yielded from sites	Not available, a tracking mechanism is in development
<b>Target 2: Ecological and Biological Resources</b> Conserve ecological and biological resources.	<b>Indicator 1:</b> Number of acres conserved (Sum of a, b, c, d, and e) a. Number of acres within the Conservation Lands System (CLS) acquired under fee title b. Number of acres within the CLS placed under perpetual conservation easement c. Number of conservation easement acres within the CLS acquired d. Number of acres of private deed restrictions within the CLS e. Number of acres of designated riparian habitat conserved <b>Indicator 2:</b> Mitigation actions taken to reduce the impacts of County operations on ecological and biological resources	Not available, a tracking mechanism is in development
<b>Target 3: Enhancement Projects</b> Complete enhancement projects on County properties.	Number of properties enhanced	Not available, a tracking mechanism is in development

## Waste Reduction

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<b>Target 1: Solid Waste Diversion</b> Increase the quantity of recyclable materials diverted from landfills by 10% by June 30, 2019.	Quantity of recyclable material diverted from landfills	• <b>519.43 tons</b>

## Green Purchasing

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<b>Target 1: Product Contracts</b> 100% of new contracts to include green specifications whenever applicable by June 30, 2019.	Percentage of new contracts that include green specifications	• <b>100% of new contracts include green specifications</b>
<b>Target 2: Janitorial Contracts</b> 100% of janitorial service contracts to be updated with nontoxic and eco-friendly product specifications by June 30, 2019.	Percentage of janitorial service contracts with nontoxic and eco-friendly product specifications	• <b>100% of janitorial service contracts include nontoxic and eco-friendly product specifications</b>
<b>Target 3: Equipment Purchased</b> 100% of appliances and equipment purchased to be Energy Star qualified by June 30, 2019.	Percentage of appliances and equipment purchased that are Energy Star qualified	• <b>100% of appliances and equipment purchased are Energy Star qualified</b>
<b>Target 4: Employee Training</b> Provide at least one training session per year for employees with purchasing responsibilities.	Availability of green purchasing training opportunities for employees	• <b>7 training sessions</b>
<b>Target 5: Printer Paper</b> By June 30, 2019, at least 20% of printer, copier, and multi-purpose paper purchases will be for 100% recycled content paper and 90% of all other printer, copier, and multi-purpose paper purchases will be for 30% recycled content paper.	<b>Indicator 1:</b> Percentage of printer, copier, and multi-purpose paper purchased that is 100% recycled content paper <b>Indicator 2:</b> Percentage of printer, copier, and multi-purpose paper purchased that is 30% recycled content paper <b>Indicator 3:</b> Percentage of printer, copier, and multi-purpose paper purchased that is neither 30% nor 100% recycled content paper	• <b>11.54% of printer, copier, and multi-purpose paper purchased was 100% recycled content paper</b> • <b>88% of all other printer, copier, and multi-purpose paper purchased was 30% recycled content paper</b> • <b>11.9% of printer, copier, and multi-purpose paper purchased was neither 30% nor 100% recycled content paper</b>

## Health and Wellness

TARGETS	INDICATOR	PERFORMANCE FY 2013/14 (NEW BASELINE)
<p><b>Target 1: Healthy Lifestyle Premium Discounts</b> By June 30, 2019, increase the percentage of Pima County employees who are in eligibility compliance with the Healthy Lifestyle Premium Discounts.</p>	Percentage of eligible employees who participate in the Healthy Lifestyle Medical Premium Discount program	Number of eligible employees: 5,183 Number of eligible employees who participate in the Healthy Lifestyle Medical Premium Discount program: 3,708 • <b>71.5% of eligible employees participate in the Healthy Lifestyle Medical Premium Discount program</b>
<p><b>Target 2: Policies and Procedures</b> By June 30, 2017, Administrative Procedures and Policies will be established or revised to support Wellness initiatives within the County.</p>	Number of Administrative Procedures and Policies relating to Wellness initiatives	• <b>2 procedures relate to Wellness initiatives</b>
<p><b>Target 3: Tobacco-free workforce</b> By January 2019, Pima County will decrease the number of self-reported tobacco users from 33% to less than 15%.</p>	The percentage of employees who are self-reported tobacco users	• <b>32% of employees are self-reported tobacco users</b>

## We Want To Hear From You

Do you have any thoughts or questions about this report? Please let us know by contacting the Pima County Office of Sustainability and Conservation at [SustainabilityPrograms@pima.gov](mailto:SustainabilityPrograms@pima.gov).

For more information about what Pima County is doing to make its operations more sustainable and what you can do to reduce the impact of your actions, please visit the Pima County Sustainability Programs Division webpage, [www.pima.gov](http://www.pima.gov).

### Sustainability Success Story:

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#### **Green Building**

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#### **Alternative Fuel Vehicles**

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#### **Land Conservation and Management**

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