



UPDATE

SUSTAINABILITY ACTION PLAN FOR
COUNTY OPERATIONS

SAPCO 2018-2025

January 18, 2022

Presentation Outline

TOPICS FOR TODAY

Background & Role of OSC Sustainability Division

What are Pima County's current sustainability goals?

How close is Pima County to reaching those goals?

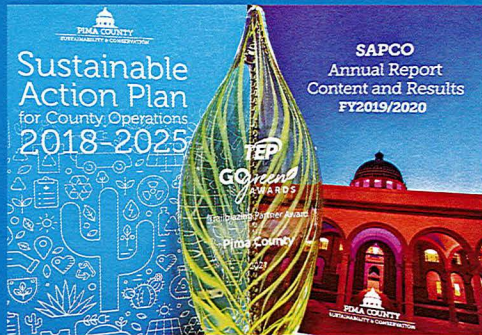
How is the County doing in terms of implementing the goals & objectives in SAPCO and how are sustainable practices being incorporated across all departments?

What is Pima County doing to reach these goals?

Are there any adjustments the County needs to make?

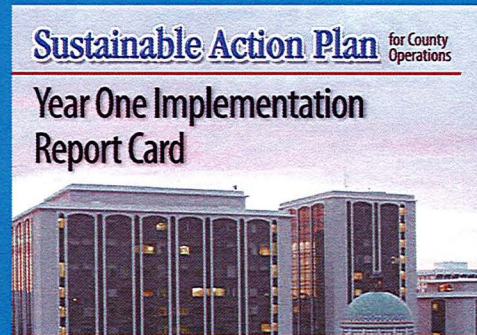
Office of Sustainability and Conservation

Sustainability Programs



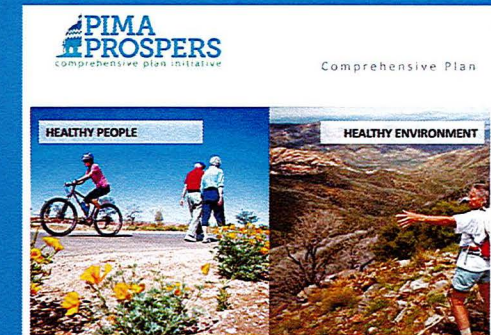
FACILITATOR

OSC serves as a facilitator, providing award-winning analyses and procedure guidance, data collection, and reporting



15+ YEAR EFFORT

Sustainable Action Plan concept work began in 2005. The first SAPCO was adopted in 2007 (FY 2008-2013)



PART OF PIMA PROSPERS

Integrated into the 'Use of Land' chapter in Pima County's comprehensive plan (pgs. 3.36-3.37)

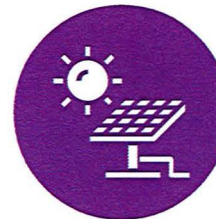
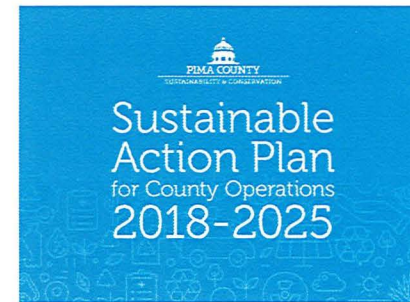
2018-2025 SAPCO



- Internally-focused
- Updated to align with 2017 U.S. commitment to Paris Agreement
BOS Resolutions 2017-39, 2017-51

3 Carbon reduction (mitigation) targets

23 Climate adaptation targets
(Note: Some targets have subtargets)



CARBON



WATER



LANDSCAPES



MATERIALS



WORKFORCE

What are Pima County's current sustainability goals?

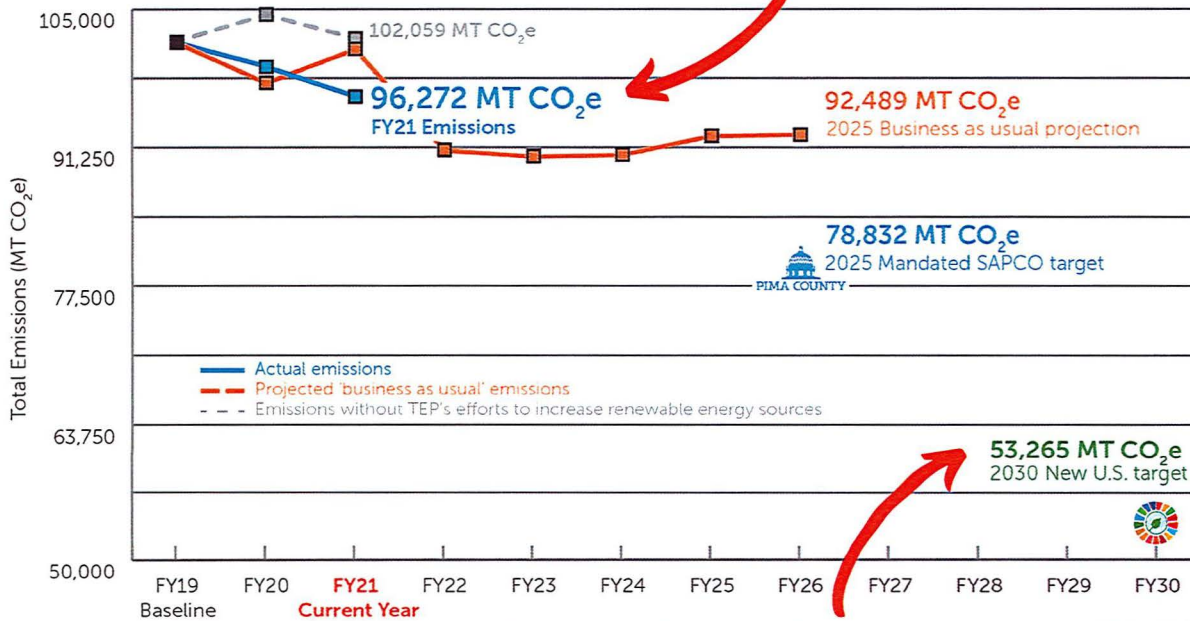
Snapshot of FY2020/2021 Results

from SAPCO's 9 active hard targets (i.e. specific and quantifiable)

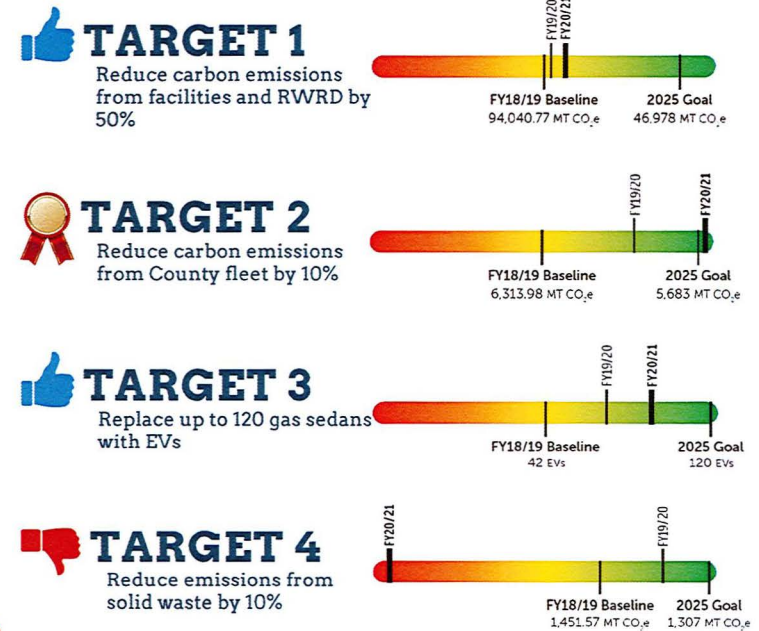


CARBON

WHERE WE ARE



NEW U.S. TARGET ADOPTED IN 2020 TO REDUCE EMISSIONS BY 50%



How close is Pima County to reaching those goals?

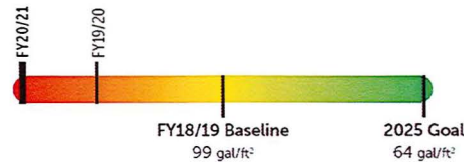
Snapshot of FY2020/2021 Results

from SAPCO's 9 active hard targets (i.e. specific and quantifiable)



WATER

TARGET 4
Reduce potable water in County facilities by 15%

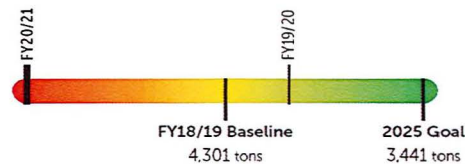


LANDSCAPES

TARGET 11
Plant at least 10,00 more trees
+1,668 (Total: 4,409 trees)

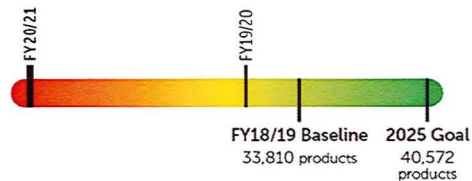
MATERIALS

TARGET 22
Reduce weight of landfill waste by 20%



TARGET 12
Install at least 40 more acres of GI
+10.7 (Total: 27.4 acres)

TARGET 24
Increase green purchasing by 20%



How close are we to reaching those goals?

Implementation

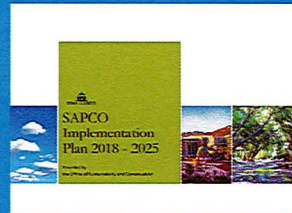
HOW ARE WE IMPLEMENTING SAPCO?

Recommended implementation strategies found in SAPCO are incorporated by each department as related to their operation (examples on next slide)

HOW ARE THESE STRATEGIES BEING INCORPORATED?

It is expected that strategies are incorporated annually by departments in accordance with the County budget cycle

NOTE: Implementation Plan tools already exist, developed by OSC



RECOMMENDED IMPLEMENTATION STRATEGIES

1. Improve building efficiency
2. Expand renewable energy capacity
3. Include beneficial use of biogas
4. Improve employee energy conservation practices

1. Replace gasoline vehicles with electric and hybrid vehicles
2. Reduce idling with surcharges for excessive idling
3. Promote downsizing to compact trucks, SUVs, smaller sedans
4. Surcharge for 4-wheel drive vehicles
5. Implement recognition or incentive program(s) for employees who use alternative transportation

RECOMMENDED IMPLEMENTATION STRATEGIES

1. Utilize PAG GI Prioritization Tool (high heat/low tree canopy)
2. Implement Green Infrastructure Action Plan
3. Pursue policies to require RTA to install trees as part of 4% landscape budget allocation
4. Implement DOT Landscape Manual Standards (require developers and utilities removing trees in the right-of-way to replace them or pay in lieu fee)

RECOMMENDED IMPLEMENTATION STRATEGIES

1. Replace old fixtures with more efficient ones
2. Reduce use of open cooling systems during daylight hours
3. Replace aging water cooled chillers with air-cooled chillers
4. Sub-meter water systems during retrofits
5. Use grey water systems to decrease reliance on potable water for irrigation

How is the County doing in terms of implementing SAPCO? How are sustainable practices being incorporated across all departments?

SUCCESS STORIES



INSTALLED **13MW**
OF SOLAR SINCE 2007

REDUCTION OF IDLING

LED LIGHTING



PURCHASED **97** FULLY ELECTRIC VEHICLES

ACQUISITION OF OPEN SPACE

INSTALLATION OF ENERGY
EFFICIENT HVAC SYSTEMS



LAUNCH OF
THRIVE
WORKFORCE EDUCATION PROGRAM

RESTORATION OF RIPARIAN HABITAT

What is Pima County doing to reach these goals?

Moving Forward

WE NEED TO....

→ Acknowledge that the U.S. has adopted a goal to reduce emissions to 50% of 2005 by 2030

Current SAPCO target is to reduce emissions to 26%-28% below 2005 levels

→ Develop a multi-year County plan and annual departmental implementation plans to carry out recommended strategies

Implementation plan developed by OSC tools already exist

→ Accelerate climate adaptation efforts to reduce urban heat and prepare workforce for climate extremes

Are there any adjustments the County needs to make?

Thank you

FOR FURTHER QUESTIONS, PLEASE CONTACT

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SAPCO 2018-2025 Update