

TAPPING INTO COMMERCIAL SAVINGS WITH THE TUCSON AUDIT PROGRAM

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TAP engages Tucson's commercial and industrial customers in water efficiency opportunities and prepares them for future drought requirements based on Colorado River shortage conditions.


If Stage 2 drought is declared, all commercial and industrial customers using over 325 ccf per month (2.5 M gal/yr) need to conduct a self-audit of water use at the facility and develop a conservation plan. TAP helps customers get ahead now.

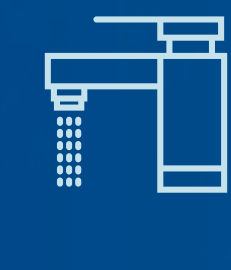
Technology that drives Key Findings:


- Ultrasonic meter logs to ascertain end-point use and enable more accurate facility water budgets
- Conductivity monitoring of cooling equipment
- Automated customer questionnaires and reports
- Google Drive customer database & savings tracker


Savings starts with these simple steps:

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1. Flexible Scheduling
Book at 520.791.4331 or pico@tucsonaz.gov and complete a pre-audit questionnaire
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2. Site Audit
Walk-through of site and examination of water use with Water Efficiency Specialist and site owner or manager
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3. Audit Analysis
Site information, metering, and analysis of historic water use
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4. Report & Incentives
Water efficiency recommendations report with audit results and customized incentives package
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5. Follow-up & Tracking
Implementation, free fixtures, and continued outreach



With the support of Cascadia Consulting Group, TAP launched in the fall of 2015 to support Tucson's business customers by increasing engagement and providing customized financial incentives.

TAP audits have driven:

4.8 M
In implemented annual savings

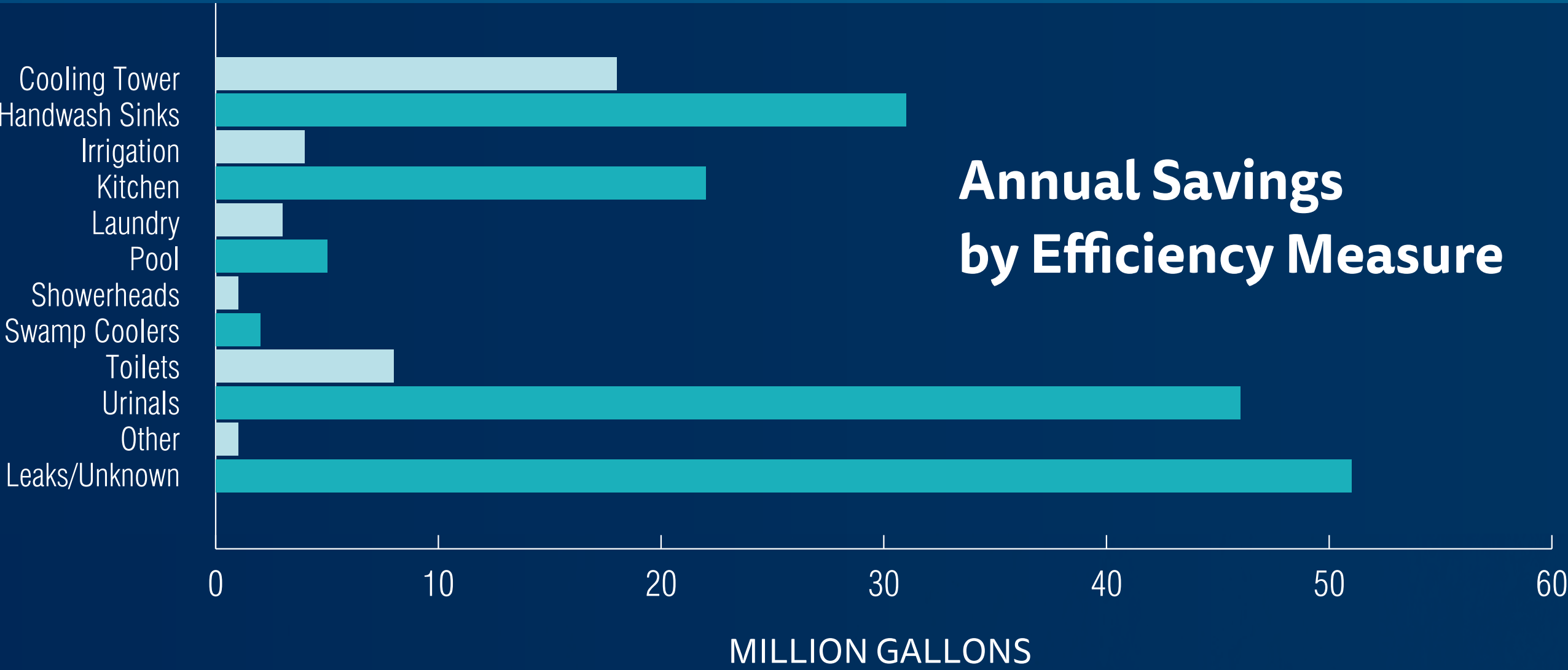
\$25k
In customized rebates

TAP audits have identified:

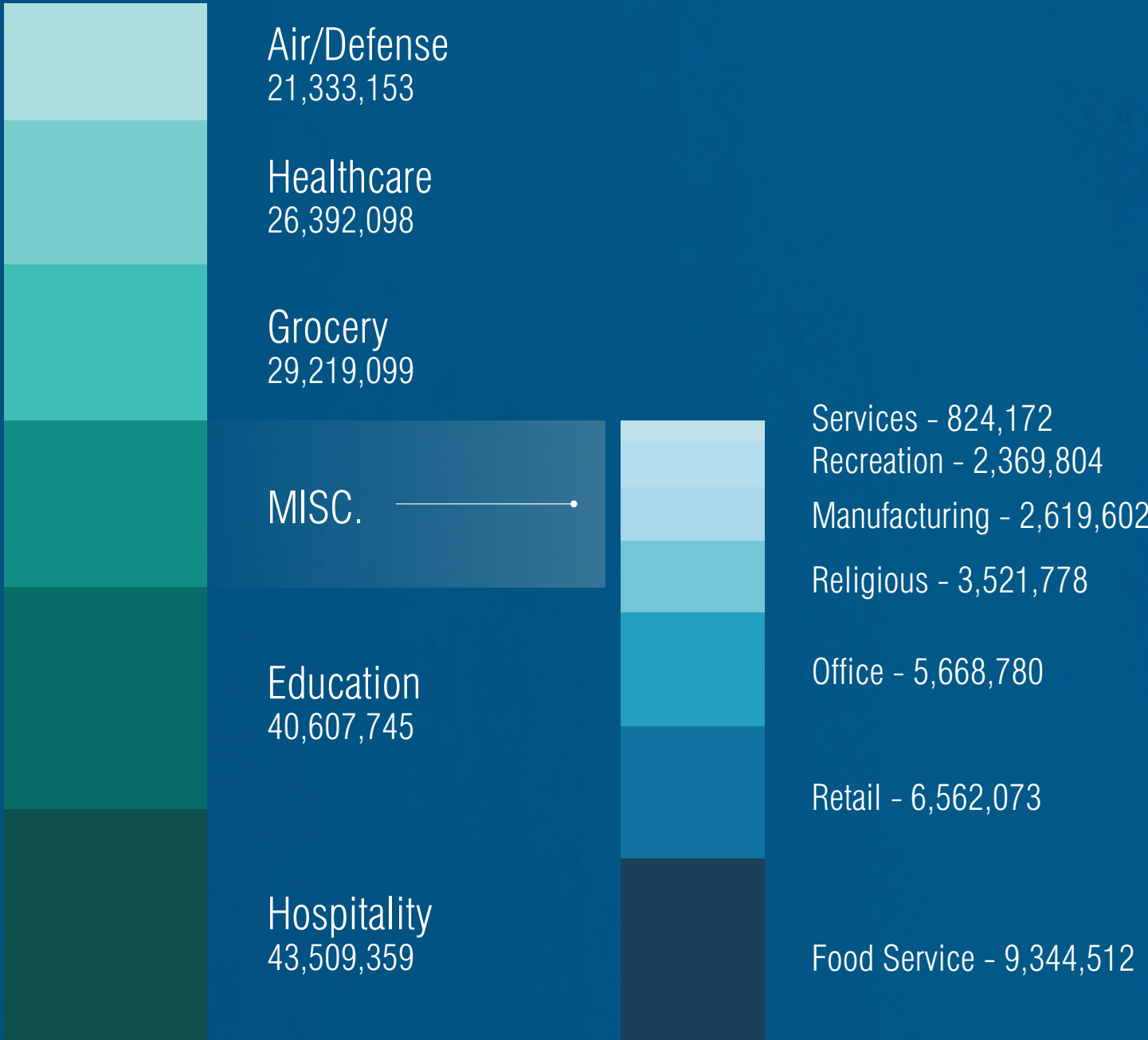
\$1.5 M
In total annual water cost savings

20%
In avg. annual water savings per audit

193 M GALLONS
In total annual water savings



Projected Annual Savings by Sector



Customer Size	Number of Audits	Total Identified Savings (gpy)	Estimated Annual Savings (\$)	Total Annual Water Use (gpy)	Average Identified Savings per Audit (\$ per year)
Small (<0.25 M gal/yr)	3	311,336	45,290	\$297	\$99
Medium (0.25-2.9 M gal/yr)	70	64,712,223	24,167,798	\$210,448	\$3,006
Large (2.9-10 M gal/yr)	69	157,536,156	80,275,621	\$637,103	\$9,233
Very Large (>10 M gal/yr)	17	118,618,588	88,955,662	\$660,850	\$34,782
TOTAL	161	341,178,303	193,444,372	\$1,508,698	\$6,035

Lessons Learned:

1. Data is powerful; going beyond the meter provides better recommendations
2. More touchpoints = better engagement
3. Customers know a decent amount about their systems, but less about how to identify & fix problems

