SimpleActions
Cut utility waste. Increase property profit.

M&V REPORT VERIFIED

Official M&V Reconciliation

IPMVP OPTION B · CAR-COUNT ENHANCED EDITION

City of Scottsdale —

Water Conservation Performance Analysis · Car-Count Normalized Verification

32.1% Measured Water Reduction — 1.5" Valve

~2,277,000 Gallons Saved Annually · $24,942.63/yr Cost Savings

629.3% IRR (5-Year) · 1.92-Month Payback · $3,995.00 Capital Cost

CAR-COUNT NORMALIZED:

Baseline: 37.67 gal/car · Post-Install: 31.3876 gal/car (Nov 2025) · 16.7% per-car reduction confirmed

METER / SIZE

EQUIPMENT

AquaFlow 1.5" Regulating Valve · Installed September 3, 2025

METHODOLOGY

IPMVP Option B · 14-Cycle Baseline · Day-Normalized + Car-Count Verification

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01 EXECUTIVE SUMMARY

32.1%	~2.278M gal	$24,943/yr	629.3%
Measured Reduction (Day-Norm)	Annual Gallons Saved	Annual Cost Savings	IRR — 5-Year

METRIC	VALUE	NOTES
Valve Installed	AquaFlow 1.5"	September 3, 2025
Valve Investment	$3,995.00	1.5" valve capital cost
Baseline Daily Consumption	19,429.84 gal/day	14-cycle baseline, 424 days
Baseline Gallons Per Car	37.6721 gal/car	218,683 total cars washed (verified)
Post-Install Daily Average	13,189.21 gal/day	2 clean cycles, 61 days
Post-Install Gal/Car (Nov 2025)	31.3876 gal/car	10,543 cars — cleanest post-install signal
Measured Reduction (Day-Norm)	32.1%	Normalized daily rate comparison
Per-Car Reduction (Nov 2025)	16.68%	Car-count verification — independent metric
Gallons Saved (61 days)	380,678 gal	Day-normalized method
Dollar Savings (61 days)	$4,168.50	Rate-aligned method
Annualized Cost Savings	$24,942.63/yr	$4,168.50 / 61 × 365
Monthly Equivalent	$2,078.55/mo	Annualized / 12
Simple Payback	1.92 months	
5-Year IRR	629.3%	5% annual utility escalation assumed
5-Year Net Savings	$133,828.80	After full valve cost recovery

MEASURED & VERIFIED · IPMVP OPTION B · CAR-COUNT NORMALIZED