



Valley Water's Water Conservation Savings Model

Independent Monitoring Committee, December 2021

Watersavings.org

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COVID-19 Program Notice



Landscape Rebate Program

Our Landscape Rebate Program can help you save water and money, offering up to **\$3,000*** for residential sites and **\$50,000*** for commercial and multi-family sites.

Get started with your application

Overview of the Landscape Rebate Program



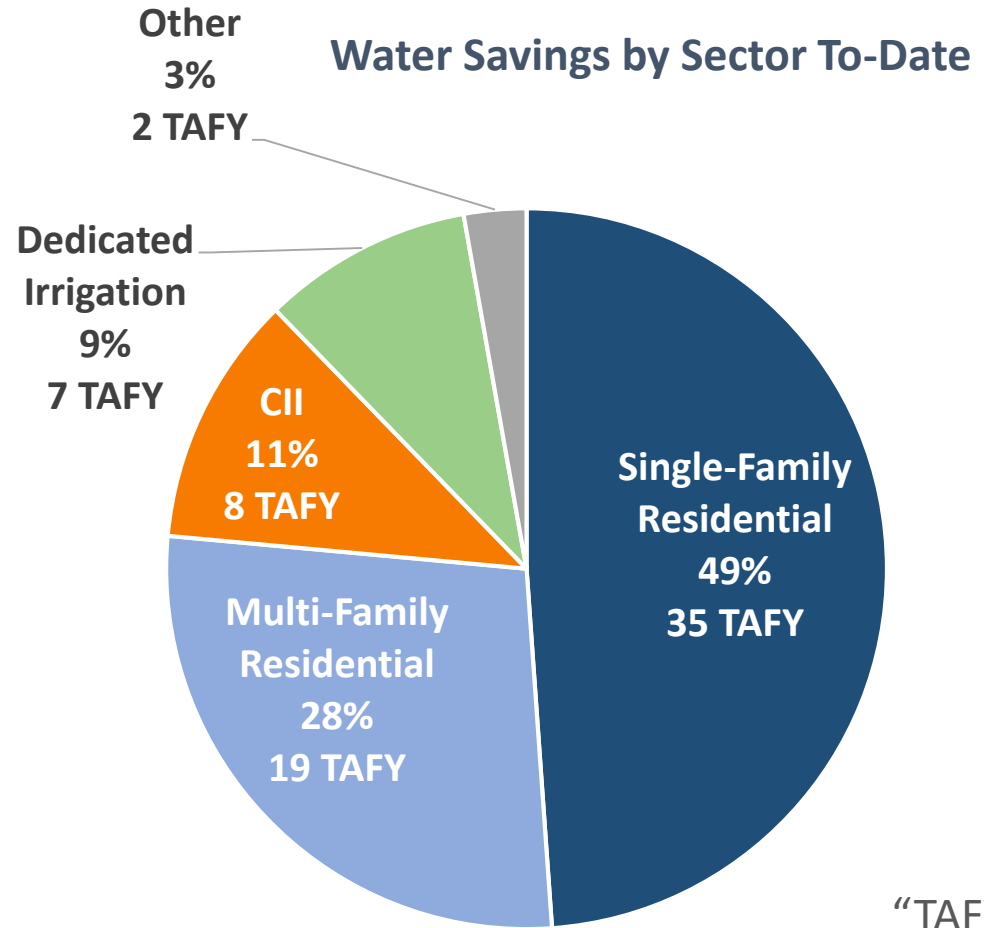
Water Conservation Targets

Valley Water’s Long-Term Conservation Savings targets:

- 99 TAFY by 2030
- 109 TAFY by 2040

74 TAFY Savings Achieved through 2020

Savings Model Tracks our Progress



“TAFY” = thousand acre-feet per year

Water Conservation Savings Model

- September 2019 update
- Built from a national, Excel-based model
- Strategic tool to evaluate program cost effectiveness
- Critical to conservation strategy



Water Conservation Tracking Model

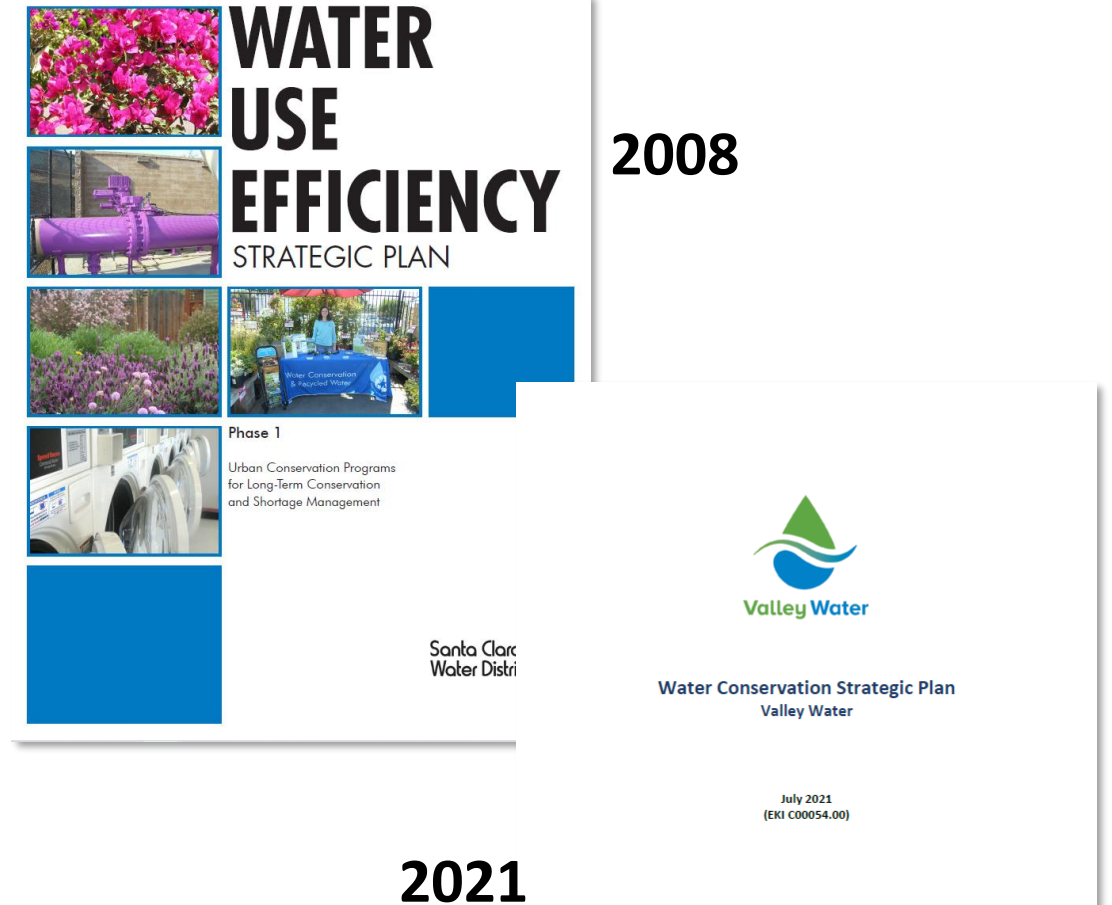
VERSION 1

User Guide

A TOOL FOR PLANNING AND TRACKING VALLEY WATER'S
WATER CONSERVATION PROGRAMS

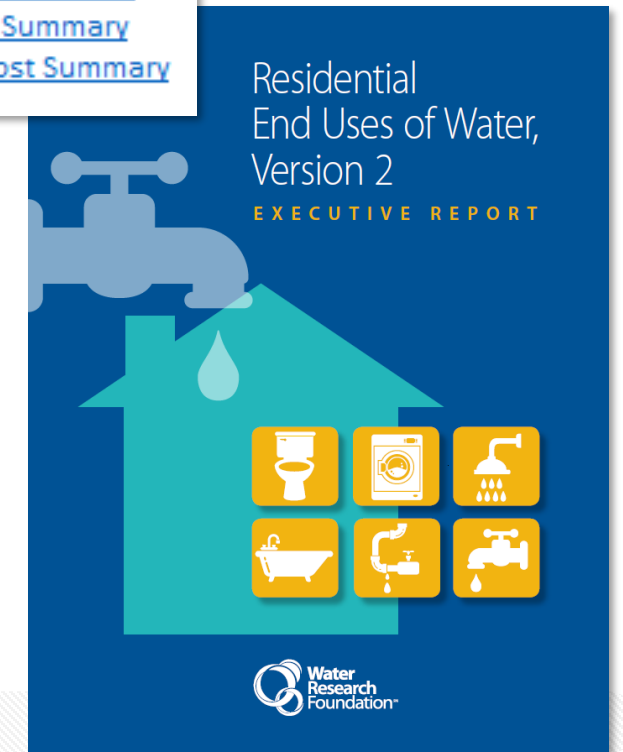
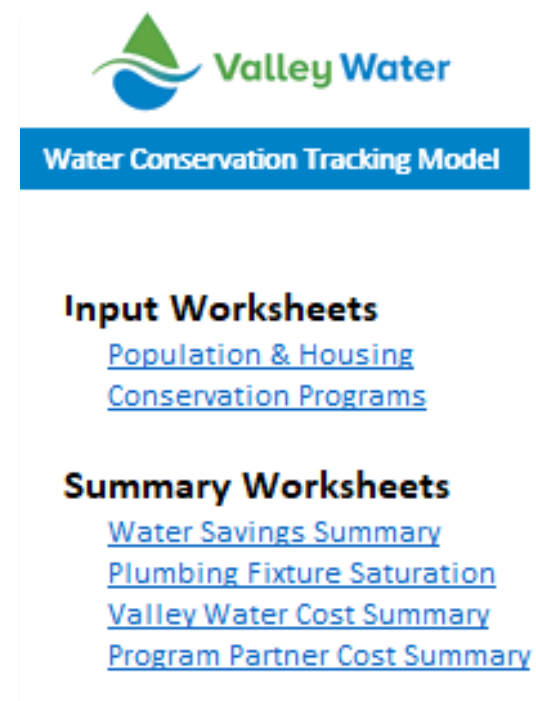
How do we use it?

- Tracks progress towards targets
- Evaluates individual program
 - Savings
 - Cost effectiveness
- Strategic Plan Resource
 - Updated 2021
 - Blueprint for success
 - Support tool for program marketing and design



Model inputs

- 1992 baseline
- Inflation and real discount rate
- Population, employment, and building types
- Behavior
- % of efficient fixtures in county
- Costs
- Objective savings data



Model Outputs

- Changes in % of efficient fixtures
- Water savings
 - programmatic
 - Specific customer classes
 - Overall
- Cost per acre-foot

Table Manager ✕

Check to show, uncheck to hide

<input type="checkbox"/> Program Activity	<input type="checkbox"/> Select All
<input checked="" type="checkbox"/> Program Specifications	
<input type="checkbox"/> Gross Savings	
<input type="checkbox"/> Passive Savings	
<input type="checkbox"/> Active Savings	
<input type="checkbox"/> Valley Water Annual Cost	
<input type="checkbox"/> Valley Water Program Partner Annual Cost	

Close

Savings per unit snapshot

Name	Unit	Gallons per Year per Unit
Large Landscape Surveys	Survey	423,400
Large Landscape Water Budgets	Site	423,400
Large Land. Irrigation Controller	Controller	265,355
Small commercial landscape surveys	Survey	211,700
Flow Sensor/Dedicated Irrigation Meter	Meter	132,860
Residential Irrigation Controller, SFR	Controller	18,615
Rain Sensors	Sensor	13,286
Fixture Replacement Program	Toilet	9,121
Graywater - L2L	Rebate	4,585
Rain Barrel Rebate (40-199 gal)	Rain Barrel	1,825
Pressure Regulation and/or Check Valves Sprinklers	Nozzle	584
High efficiency nozzles for pop ups	Nozzle	438
Turf Replacement	Square Foot	36
Rain Cistern Rebate (200+ gal)	Gallons Rebated	8

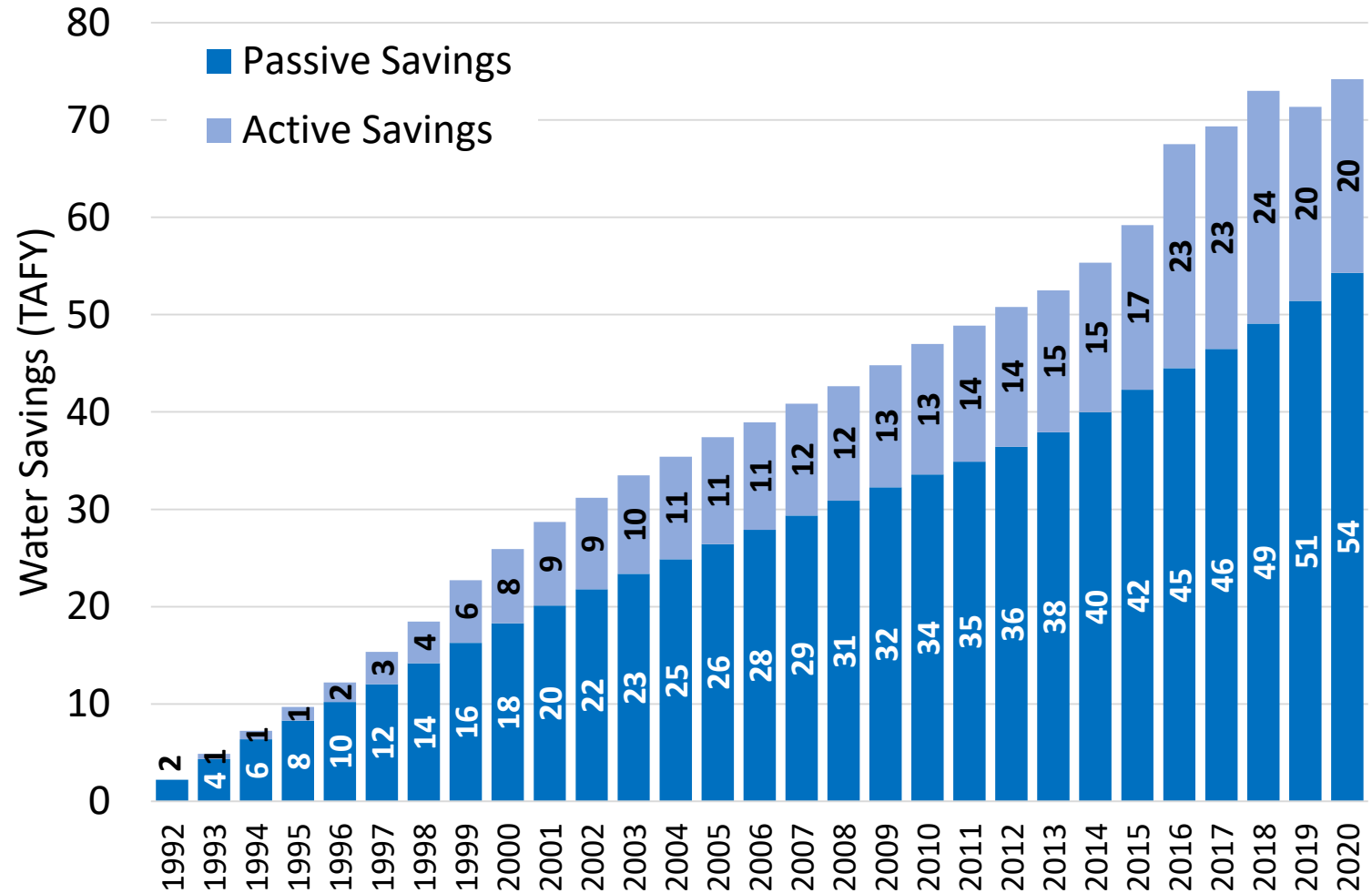
Progress Towards Conservation Targets

Model tracks

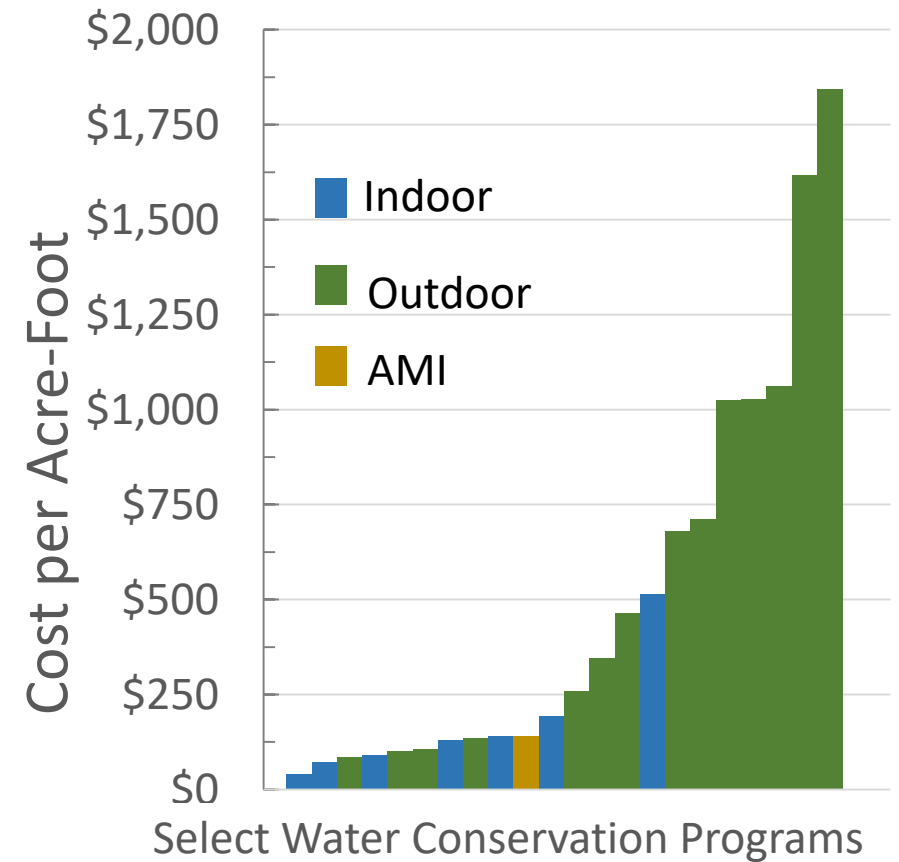
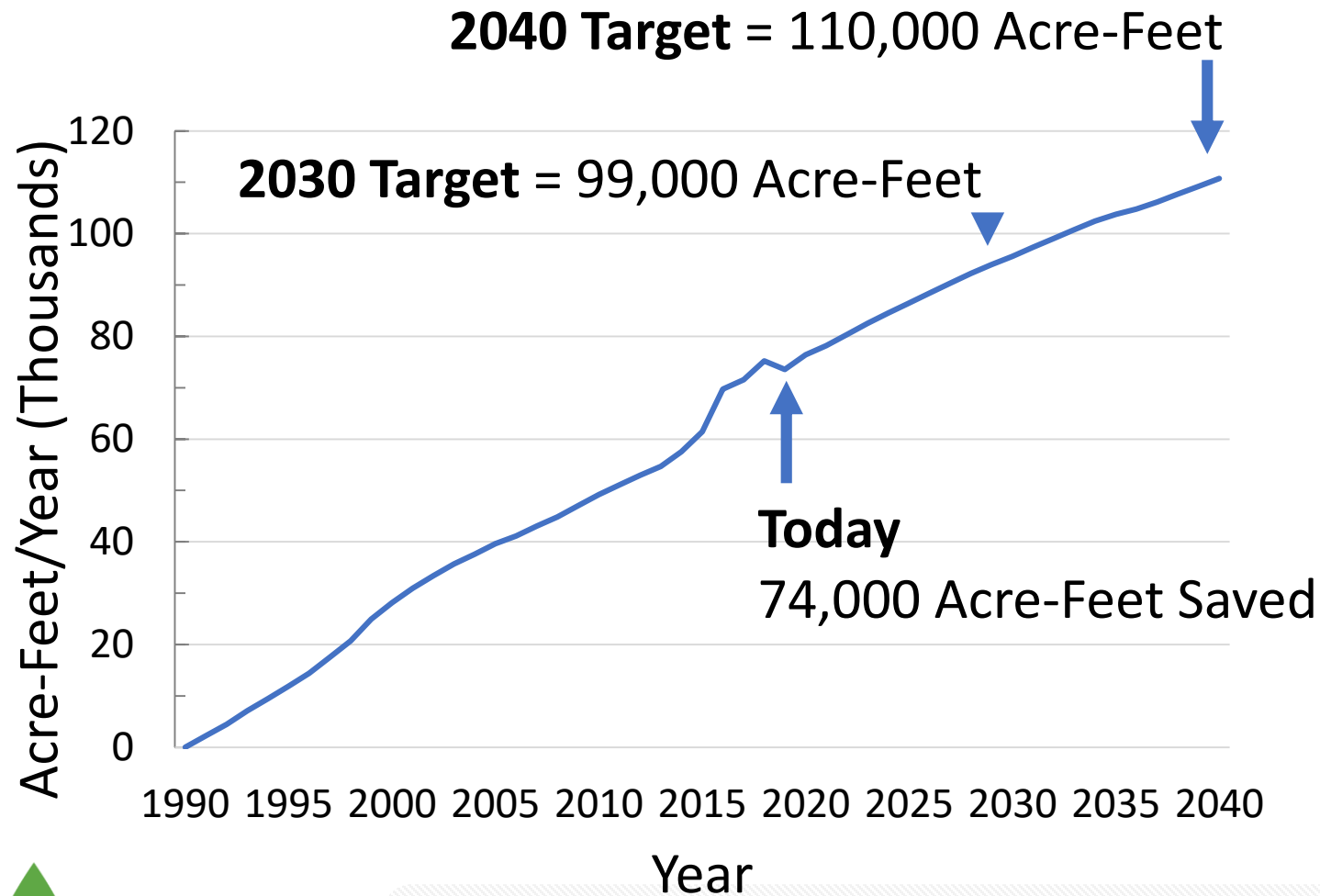
- Passive Savings vs.
- Active Savings

Excludes freeriders

Total Water Savings Achieved



Progress Towards Conservation Targets



Program Monitoring and Evaluation

Long-Term Conservation Goal Monitoring

Update participation and prioritize program development

Drought and Other Water Shortage Conditions

QUESTIONS

