



Staying Current: Advancing Our Infrastructure

SERVING THE DYNAMIC NEEDS OF THE TRUCKEE MEADOWS OUR WATER INFRASTRUCTURE

With ever-fluctuating temperatures and weather patterns to test our system, the delivery of high-quality water is an around-the-clock job that demands vigilant attention 365 days of the year. Beyond constant maintenance, large infrastructure improvements have occurred (totaling more than \$550 million since 2001) that make our system more efficient, diverse and dependable.

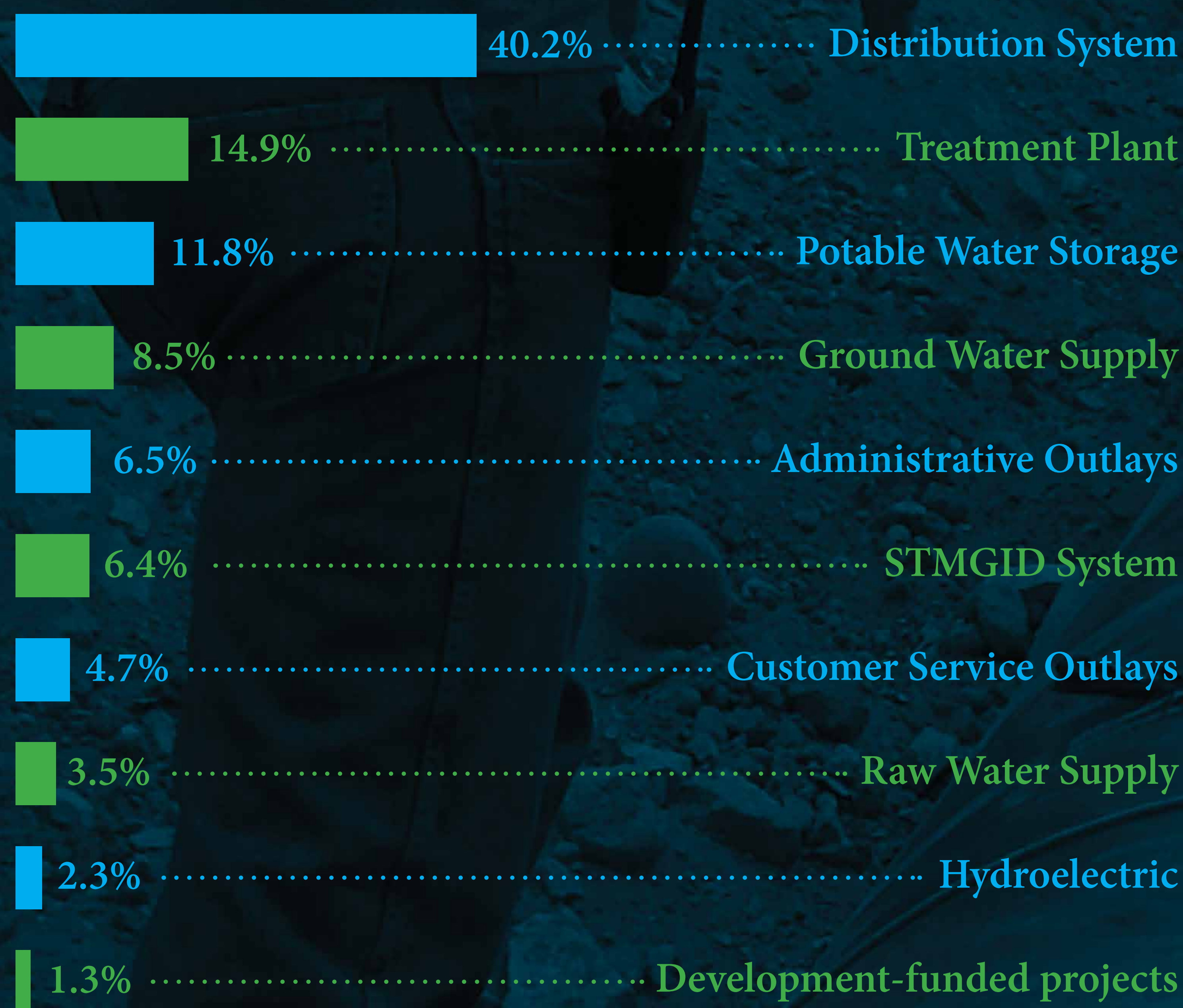
2018 Projects

- ✓ Peavine Tank Replacement*
- ✓ Arrowcreek Drought Response, Phase 2
- ✓ Main Line Replacements:
 - ✓ 4th Street
 - ✓ Prater Way
 - ✓ South Virginia*
- ✓ Mt. Rose Treatment Plant*
- ✓ Satellite Hills Booster Pump Station Replacement
- ✓ Verdi Main Extension

*Active Now

Next 5 Years

Projected Improvement Areas



(\$) 2018-2022 INVESTMENT ESTIMATE \$172.8M (\$)

Notable Past Projects

These types of projects optimize surface water distribution and reduce demand on groundwater.

2001-2005

Wells Avenue

Water Project

- Replaced aging water mains, auxiliary pipelines and fire hydrants.
- Improved service for residents and customers.
- Coordinated effort with power, city and transportation agencies.
- Multiple layers of improvements done at once for efficiency.

Chalk Bluff

Treatment Plant Expansion

- Expanded treatment capacity by 14 Million Gallons per Day (MGD).
- Increased total production capacity to 90 MGD.
- Added state-of-the-art capabilities across all phases of water treatment.

2006-2010

Highland Canal System & Mogul Bypass

- Installed 3 miles of underground pipeline.
- Expanded water delivery from 55 MGD to 95 MGD.
- Reduced pumping station dependency with a gravity-powered inverted siphon.
- Siphoning offsets \$400,000 per year in power costs formerly spent on pumping.

2011-2017

Zolezzi Pump Station

Installation

- Delivers surface water from the Truckee River to South Reno.
- Reduces dependence on well water.
- Stabilizes aquifer water levels.

Fish Springs

Integration

- Delivers groundwater from Honey Lake Valley into TMWA's Stead/Lemmon Valley system.
- Reduces dependence on local well water.
- Stabilizes local aquifer water levels.

Did you know... There are 1,960 miles of main lines delivering water beneath our streets. (In a straight line, it's enough pipe to deliver water to Lake Michigan!)

