

Virtual Tour



RiversidePublicUtilities.com

WATER | ENERGY | LIFE



CITY OF RIVERSIDE
PUBLIC UTILITIES

RPU Staff 2015



600 people
ALMOST

Introduction

Established in 1895, Riverside Public Utilities provides high quality, reliable services to customers throughout Riverside. Owned by the customers we serve, we support the needs of our customers and a thriving community in which to live and work.



GOVERNED

BY:

Pat Hohl
Assistant General Manager

7

COUNCIL
MEMBERS

9

COMMUNITY
BOARD MEMBERS

RPU Facts

Year established	1895
City population	317,000
City size	12th largest in California
Climate zone	90 square miles
Number of employees	10
	Nearly 600

10%
COMMERCIAL

109,000

METERED ELECTRIC CUSTOMERS

65,000

METERED WATER CUSTOMERS

90%
RESIDENTIAL

Locations



Mission Square
3750 University Avenue
3rd Floor



Customer Resource Center
3025 Madison Street



Orange Square
3901 Orange Street

Customer Service

Our customer service team provides personalized service 6 days per week. We are always willing to go the extra mile to help customers.





Field Services



The Field Services Division is responsible for reading and reporting customer meter activity accurately.

>99%
ACCURACY
RATE

Finance & Administration

RPU has high credit ratings when compared with other utilities.. Both of these credit ratings allow for our customers to enjoy lower and more stable rates than in surrounding communities.

> \$400M

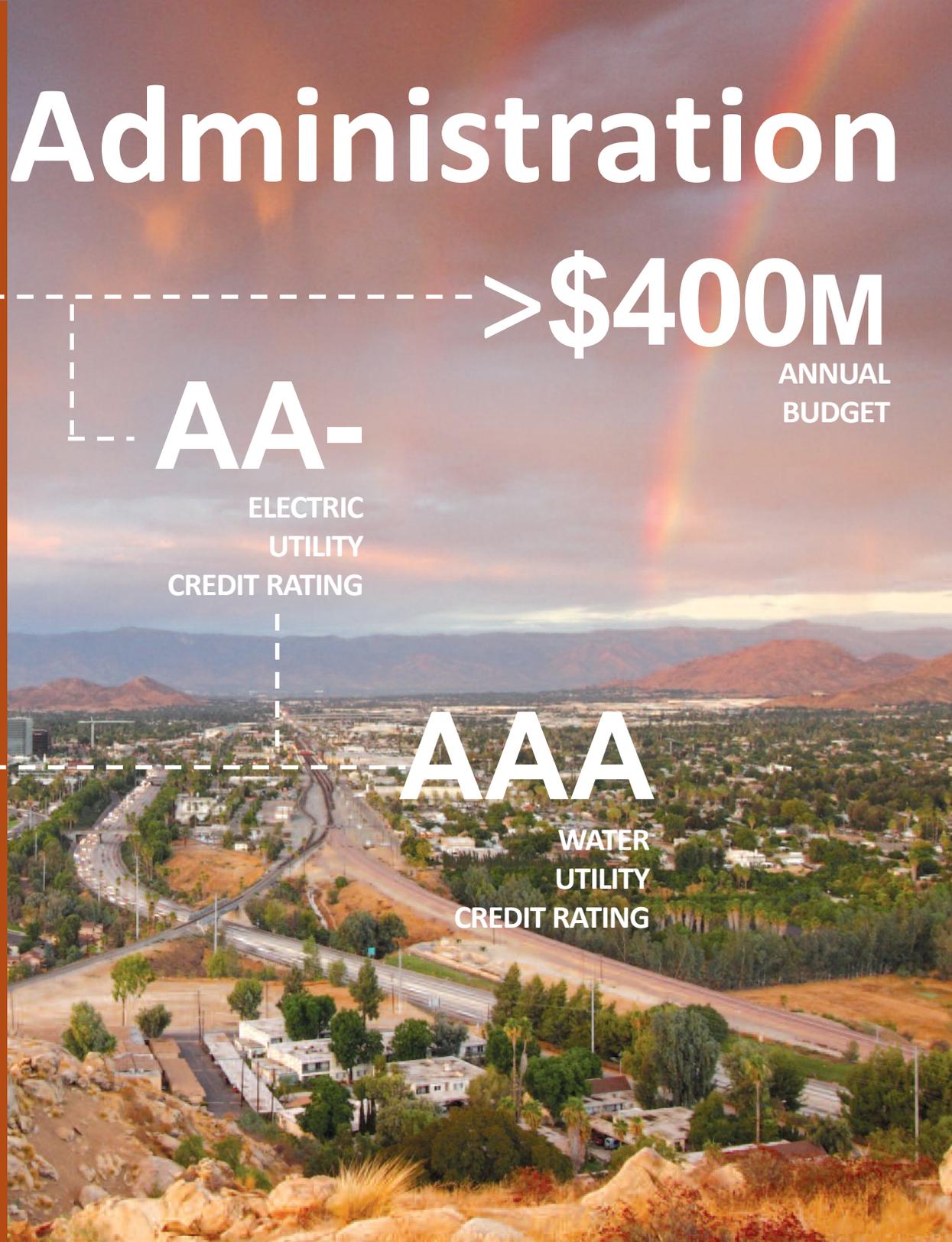
ANNUAL
BUDGET

AA-

ELECTRIC
UTILITY
CREDIT RATING

AAA

WATER
UTILITY
CREDIT RATING



Power Resources



RPU's Power Resources Division is responsible for managing power portfolios and internal generation facilities to ensure Riverside's power supplies are safe, reliable, affordable and compliant with regulatory agencies.

Resources

14%

RPU ANNUAL
POWER SOURCE

Geothermal

Riverside receives 14% of its power from Geothermal sources.

Located near the Salton Sea. This resource has provided 46MW annually since 2003. Riverside will receive 86MW by 2019.



Resources Solar

Riverside receives less than 1% of its power from photovoltaic sources. Some of the power is local to Riverside and most is located near Lancaster, California.

<1%
RPU ANNUAL ---
POWER SOURCE



Tequesquite Solar Farm

This project provides 7 MW of local solar power from a Power Purchase Agreement with SunPower who has built this solar farm on the decommissioned Tequesquite landfill near downtown Riverside.. There are less than 30 projects like this one in the United States.



7MW
PROVIDED
ANNUALLY

Resources Wind



3%

RPU ANNUAL
POWER SOURCE

Riverside
receives 3% of
its power from
wind turbines.

The wind
resources are
located near
Cabazon,
California.

Resources

Water-powered turbines provide Riverside with 30MW of power each year, which is less than 2% of our annual power supply.

Hydro Power



2%
RPU ANNUAL
POWER SOURCE

Resources Coal-Fired

31%

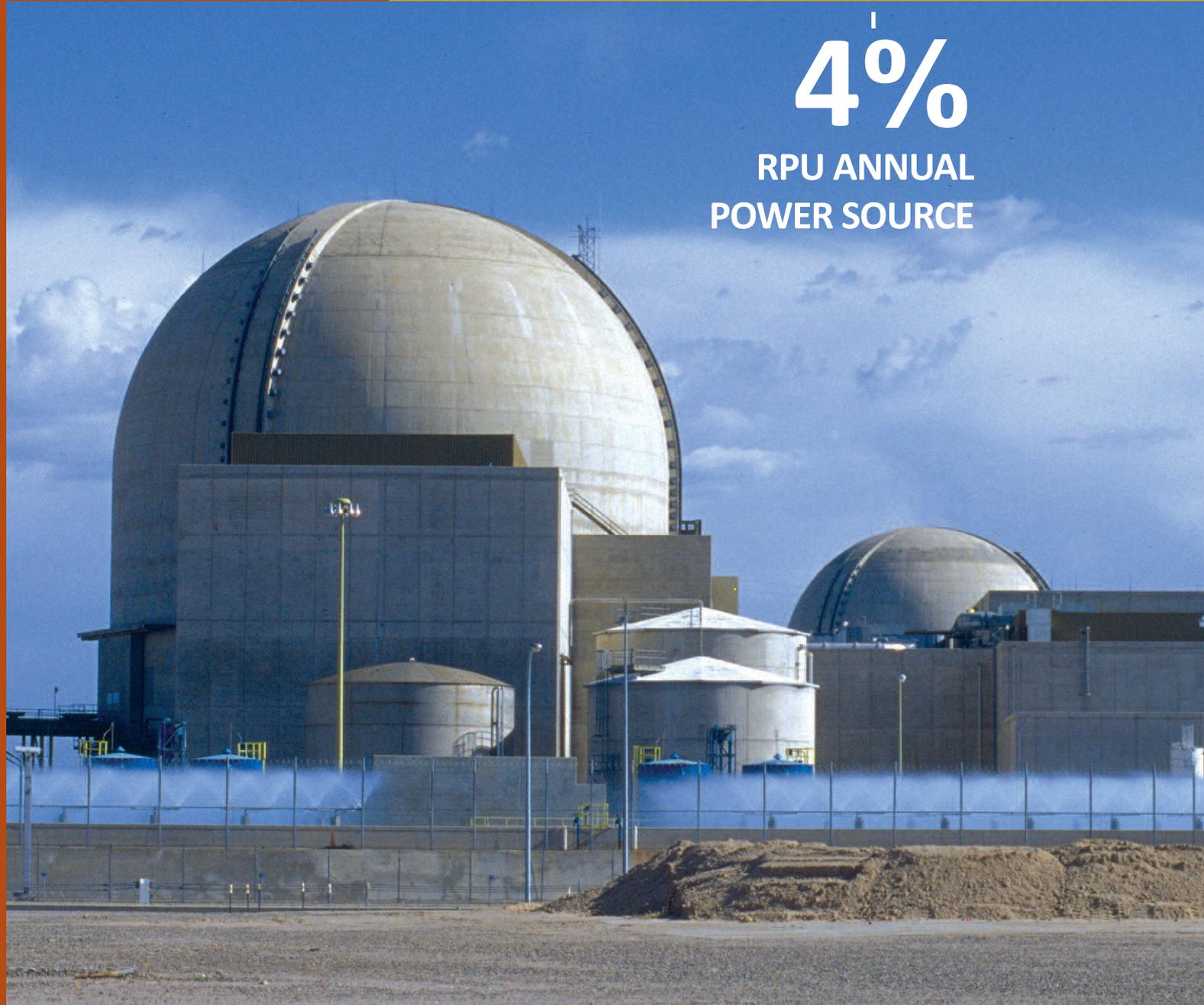
RPU ANNUAL
POWER SOURCE



Intermountain Power Plant in Utah, is the coal-fired power plant that provides Riverside 136MW, or 31% of our annual power source. The plant is expected to convert to cleaner natural gas by 2025.

Resources Nuclear

The Palo Verde
Nuclear Power
Plant in
Southwestern
Arizona provides
12MW of nuclear
power to
Riverside each
year.



4%

RPU ANNUAL
POWER SOURCE

Resources

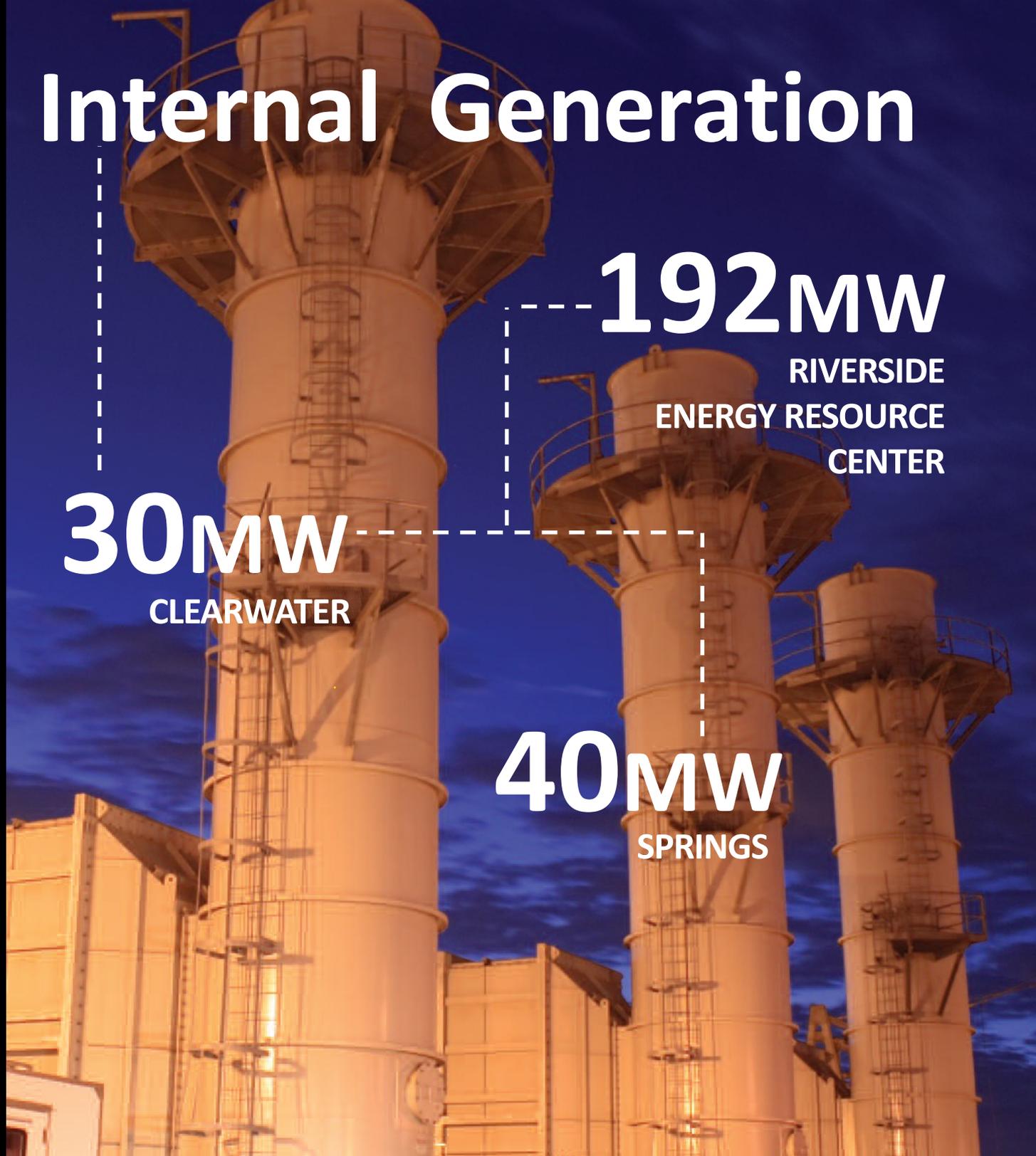
We have **262 MW** of locally generated gas-fired power at the flip of the switch during the hottest times of the year, or in an emergency when power may not be available from the transmission grid.

Internal Generation

30MW
CLEARWATER

192MW
RIVERSIDE
ENERGY RESOURCE
CENTER

40MW
SPRINGS



Electric Utility



604.4MW
PEAK DAY

\$2.28
BILLION
SYSTEM VALUE



Customer Engineering

Customer Engineering provides support to customers who are expanding or designing electric service for their home or business.

MISSION SQUARE
3750 University Avenue
3rd Floor



Serves as headquarters to dispatch, field crews, water and electric operations.

Operations Center



Electrical Transmission

At this time, all of RPU's imported energy comes through a single power connection from Southern California Edison's (SCE) Vista Substation, located in the city of Grand Terrace. Through that connection, a maximum of 557 megawatts can reach the city.

557MW
VISTA



Electric Systems Substations

14

SUBSTATIONS

14 substations service each neighborhood in Riverside.

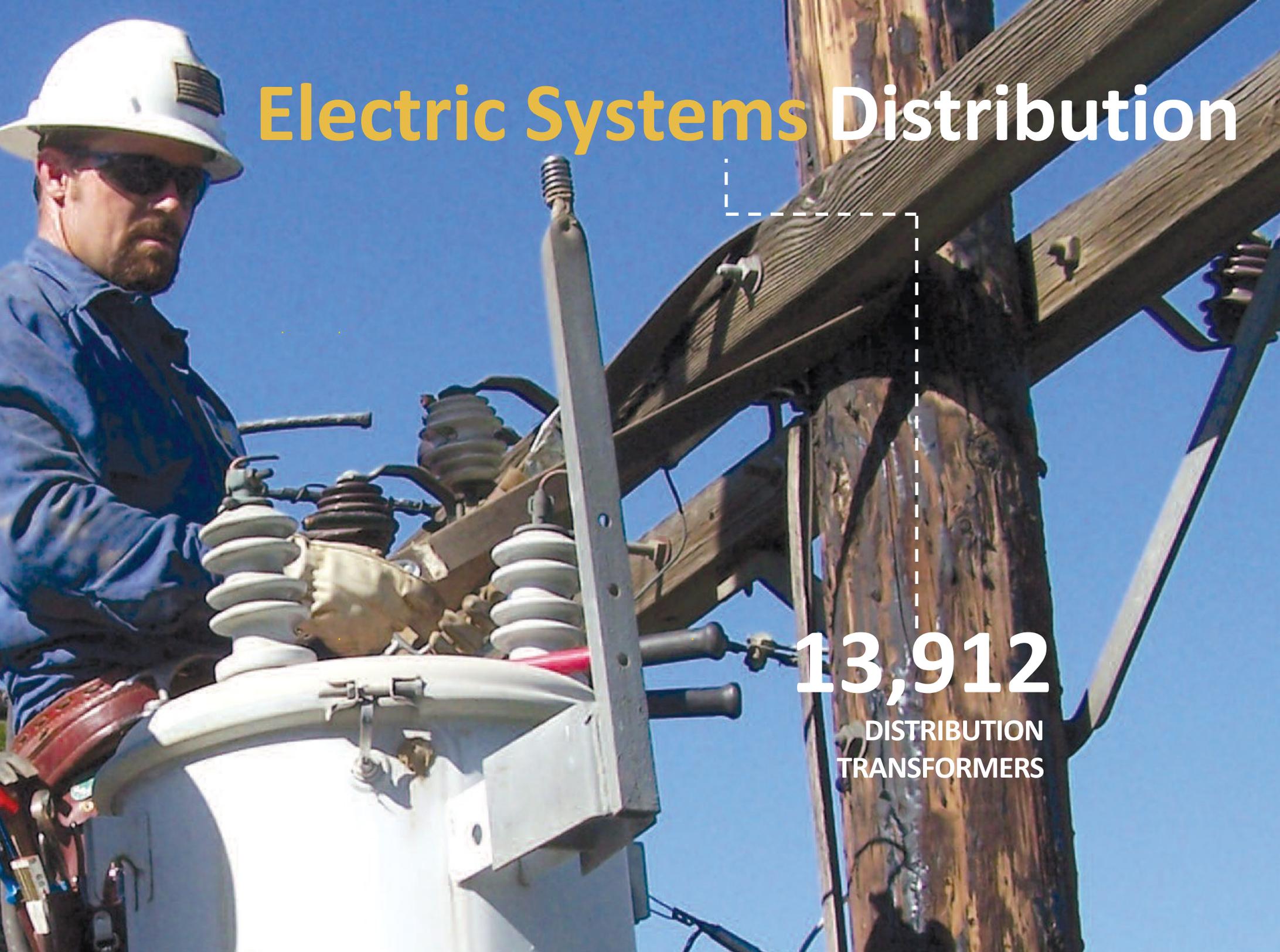
These high voltage facilities are key components to providing reliable power to our customers.

65

TRANSFORMERS

54

SWITCHEARS



Electric Systems Distribution

13,912

DISTRIBUTION
TRANSFORMERS

Electric Systems Poles



22,637
ELECTRIC POLES

\$341 MILLION
ESTIMATED VALUE

Electric Systems Cables

99.6

CIRCUIT MILES
DISTRIBUTION

1,329

CIRCUIT MILES
TRANSMISSION

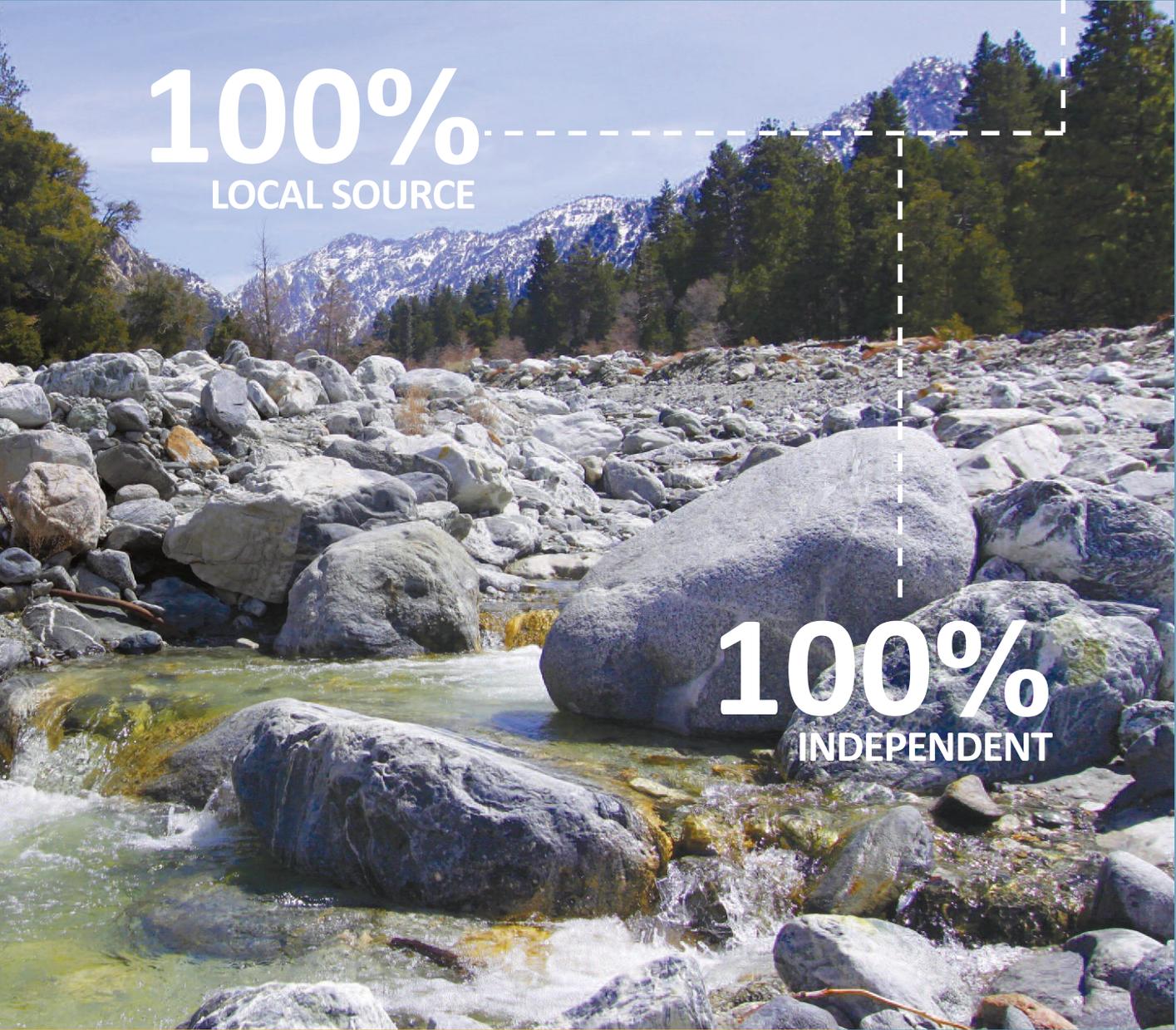
Electric Systems Street Lights

\$75.9 MILLION
TOTAL SYSTEM VALUE

30,346
STREETLIGHTS



Water Resources

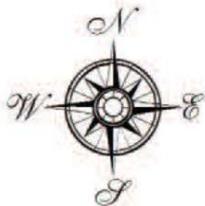


100%
LOCAL SOURCE

100%
INDEPENDENT

We own and operate our own water supply system. In 1913, voters approved a \$1.1 million bond to purchase water rights to secure the future supply to Riverside. These water rights are aquifer basins that sit primarily at the base of the San Bernardino Mountains that are fed by snow and rain each winter. Our Water Resources division is responsible for managing our water supply and for resource planning for our future supply.

SUPPLY SYSTEM

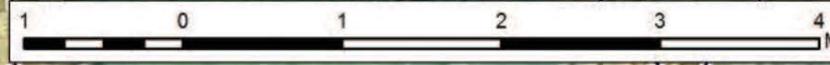
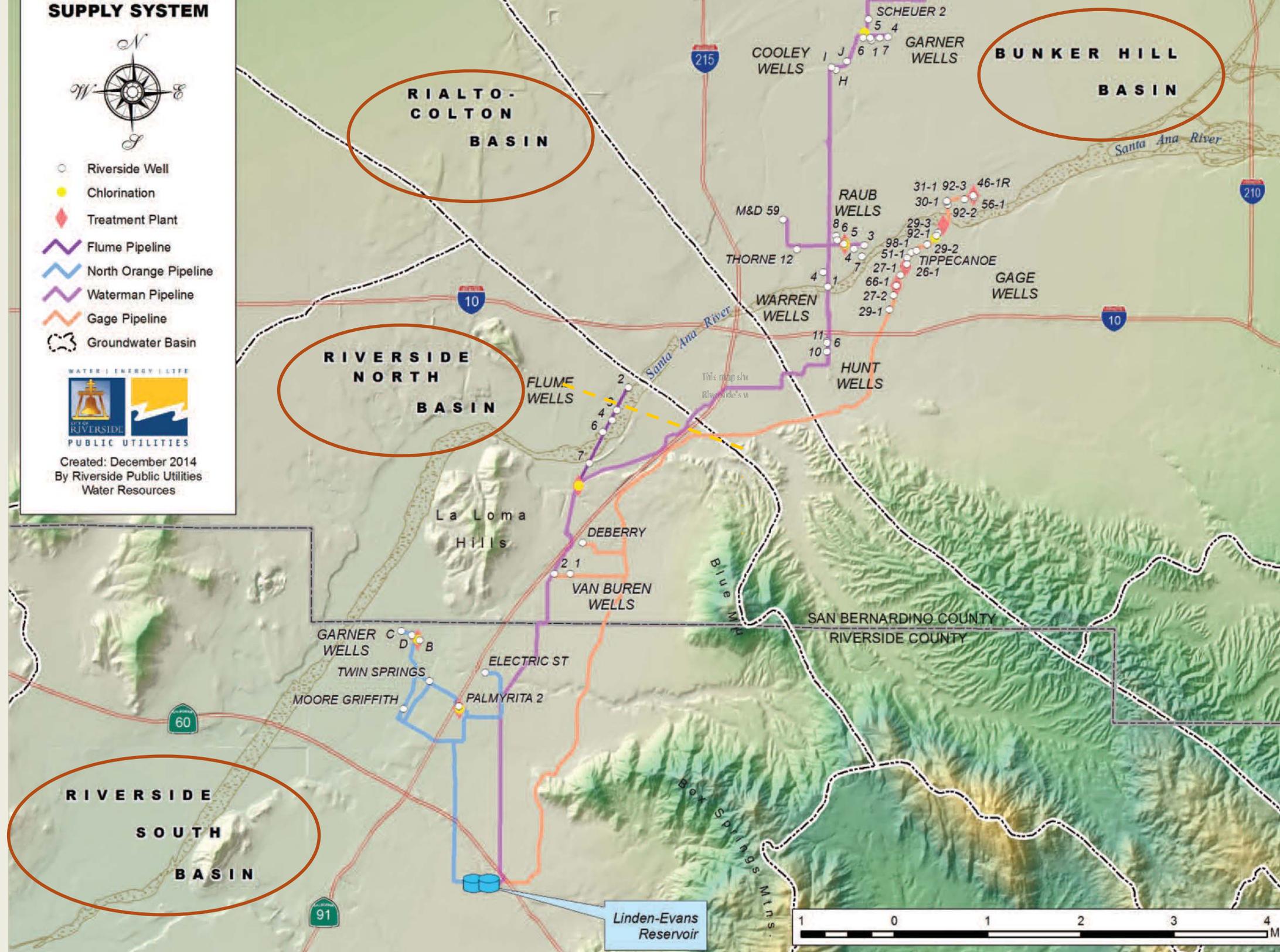


- Riverside Well
- Chlorination
- Treatment Plant
- Flume Pipeline
- North Orange Pipeline
- Waterman Pipeline
- Gage Pipeline
- Groundwater Basin

WATER | ENERGY | LIFE



Created: December 2014
By Riverside Public Utilities
Water Resources



Water Utility



\$2.15
BILLION
SYSTEM VALUE

11,782,000
GALLONS PEAK DAY

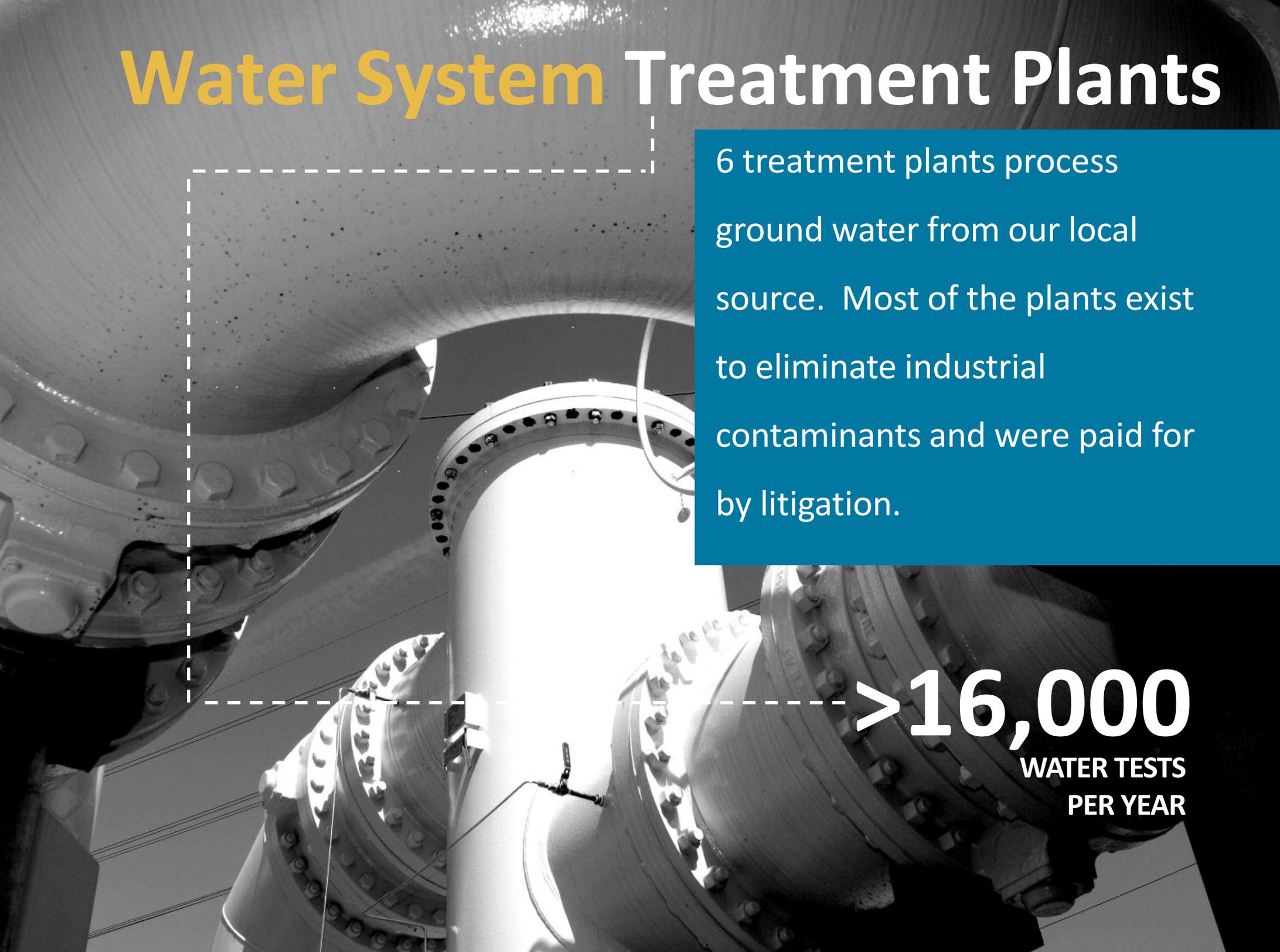
Water System Reservoirs

Riverside Public Utilities has spent the past 10 years making sure that water storage was a top priority by replacing the Evans Reservoir our largest in the system and replacing the roof of the neighboring Linden Reservoir. The projects were made possible by funds that were approved through the SAFE W.A.T.E.R. plan in 2006.

108.5
MILLION GALLON
TOTAL STORAGE
CAPACITY



Water System Treatment Plants



6 treatment plants process ground water from our local source. Most of the plants exist to eliminate industrial contaminants and were paid for by litigation.

>16,000
WATER TESTS
PER YEAR

Water System

The water system carries water from the source to treatment plants to storage and then to customers.

The system also provides fire protection.

7,758
FIRE HYDRANTS

Supply Mains

14
MILES OF
CANAL

1,000
MILES OF
PIPELINE





Water Systems Pipeline

1,000

MILES OF PIPELINE

57,869,257

GALLONS DAILY AVERAGE PRODUCTION

Utility 2.0



The Utility 2.0 plan was developed along with the Board of Public Utilities and City Council to secure our future. To keep up with new technology we will need to modernize our grid. We will also build our water system to be even more resilient to drought. As always, RPU will balance prudent financial decisions while putting our customer's needs first.

Learn more at:
RiversidePublicUtilities.com/2.0

Thank You.

Questions?