

Department Accomplishments and Priorities

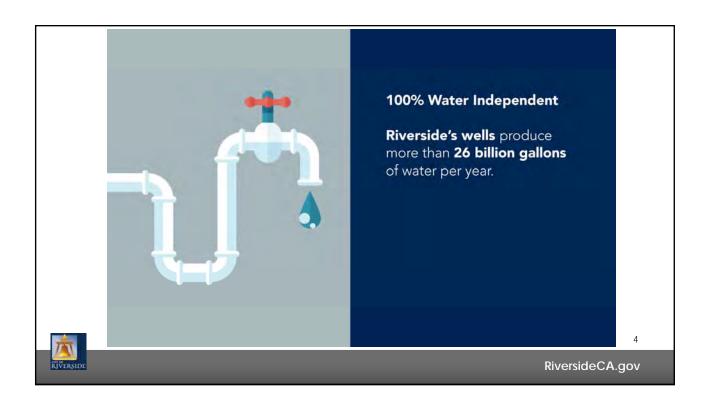
Riverside Public Utilities

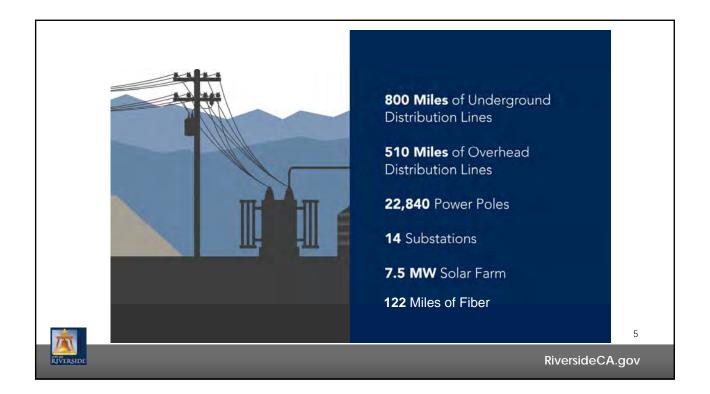
Board of Public Utilities January 8, 2018

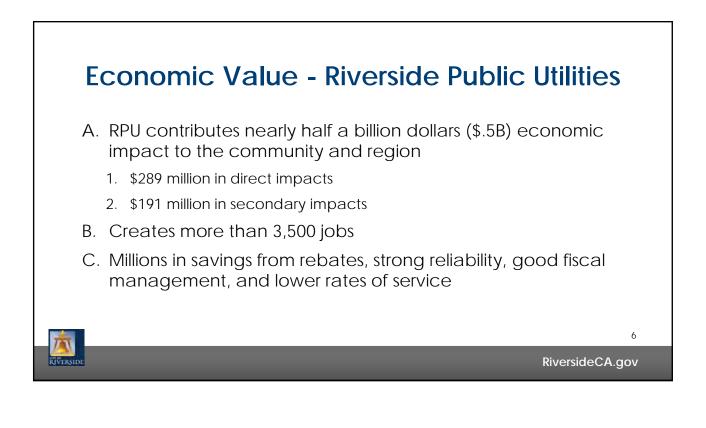
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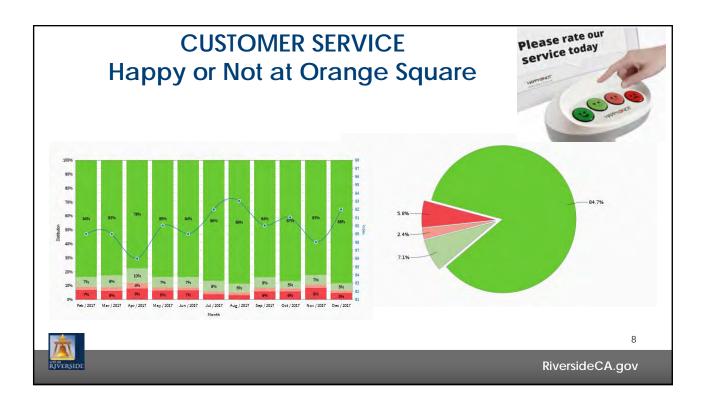


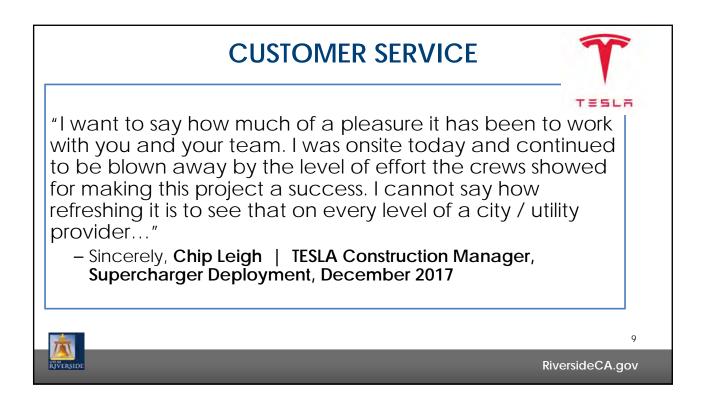




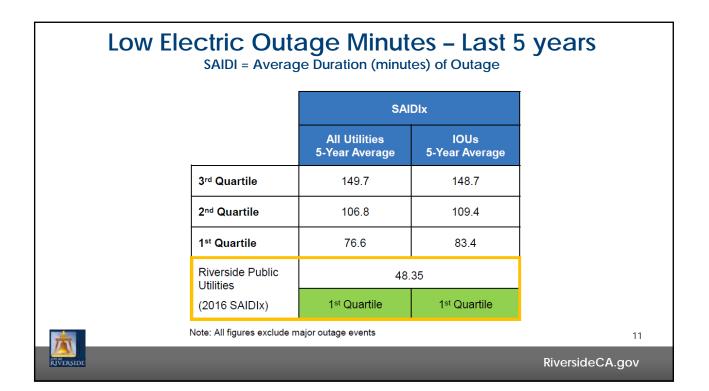


	Customer Service	Provide world-class customer-centered service in every encounter, every day.
S	Reliability & Resiliency	Renew, replace, upgrade, modernize and extend the water and electric system infrastructure to ensure reliability is maintained or improved and that resilience to extreme events in maintained or improved.
ALS	Affordability	Keep water and electricity rates affordable and comply with Fiscal Policy.
Ó	Sustainability	Meet all city goals and state and federal compliance target related to efficient use of water and electricity, renewable resources, and greenhouse gas emissions.
U	Operational Excellence	Instill, maintain and grow a culture of learning, innovation and continuous improvement in all internal processes achieving excellence in all our operations.
斋	Strong Workforce	Attract, retain, train, educate and promote employees ensuring that a high level of employee performance, productivity and engagement is achieved.
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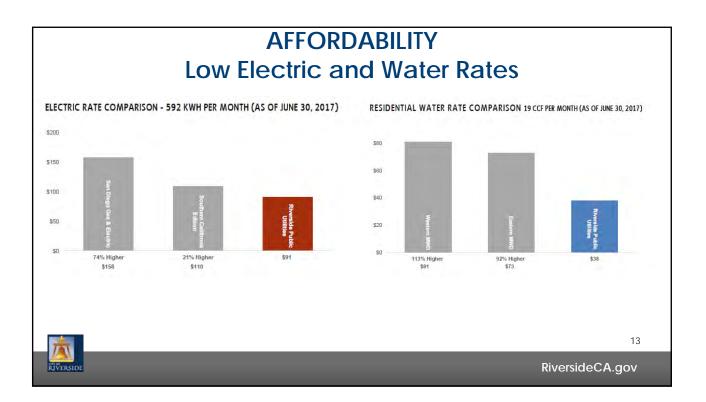














AFFORDABILITY Third-party revenues keep rates low

- 1. Executed a 20 year agreement with WMWD for wheeling and surplus water sales which will generate approximately \$100 million in additional revenues
- 2. Started construction on the San Bernardino Wells Solar Project. This project will reduce our electric costs by ~\$18.5 Million (net present value savings over the 25 year term)



Specific benefits to Riverside Public Utilities' customers Riverside lat provide additional memory from Vescen to over the cust at provide the service, as well as revenues to Autors capital representations to bottom. The additional revenues to Devendo to avance (interest) was bottoms.

Western is \$100 million over the need 20 years. The increased revenue will brickens Revenue's interior interior

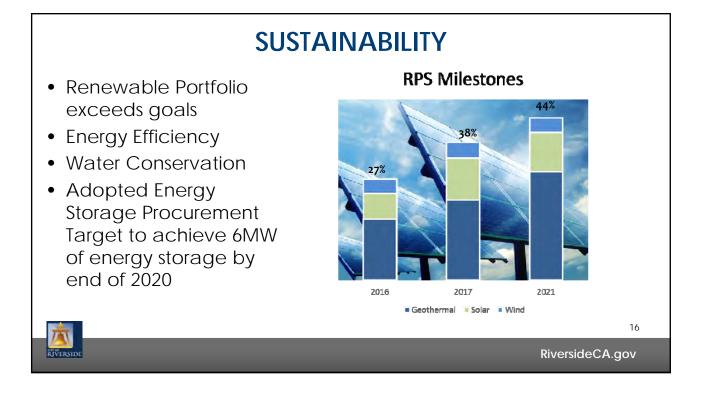
Specific benefits to Westerns' customers

 The purchase price for both Western's leased water and Roverside a surplus water will be least expensive than Western's other main source of water. Which is intro-

- water from Nottern California.
- The resonance coverage to the participate of recain supports resonance at importance water i \$45 million over the next 20 years.
- This partnership will increase Western's local water supply reliability, techning oppendiation on imported water which is critical in a fime where organized and

une change raise concerns of imponed witter reacting) s losa experitive tocal water being keyp Western's rate increases lower.

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SUSTAINABILITY – Renewables & Synchrophasors RPU is only municipal utility partner

2014 & 2015

- Partnership with Lawrence Livermore, Lawrence Berkeley and UC Berkeley
- First highly advanced distribution synchrophasor sensor network at a utility in the US

2016 & 2017, LLNL and UCR

- improving integration of high penetration Distributed Energy Resources (DER)
- Utilization of green & clean generating resources in black start restoration





O Berkeley

"...two projects for improving integration of high penetration of DER - with a goal of safely and reliably enabling very high penetrations, while also ensuring affordable power for customers. These projects are transformational for the utility industry, ... RPU is providing a clear leading example of where utilities without the same broad research and development resources can participate in large projects and provide significant benefit in meeting state and country sustainable development goals."

"The final project recently funded is looking at the utilization of green and clean generating resources in black start and restoration methodologies with both UC Riverside and RPU. As this SSM project kicks off the team will be integrating more novel technologies and controls enabling a leap frog for DER in a new role at the utility. It is only with RPU's forward thinking staff and management we can make these collaborations work."

Emma M. Stewart, Ph.D., Deputy Associate Program Leader, Infrastructure Systems, Cyber and Physical Resilience, Lawrence Livermore National Laboratory

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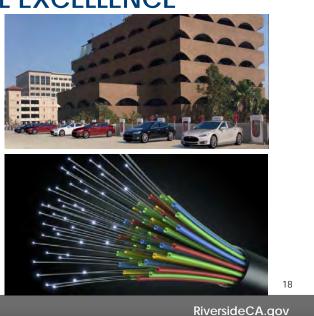
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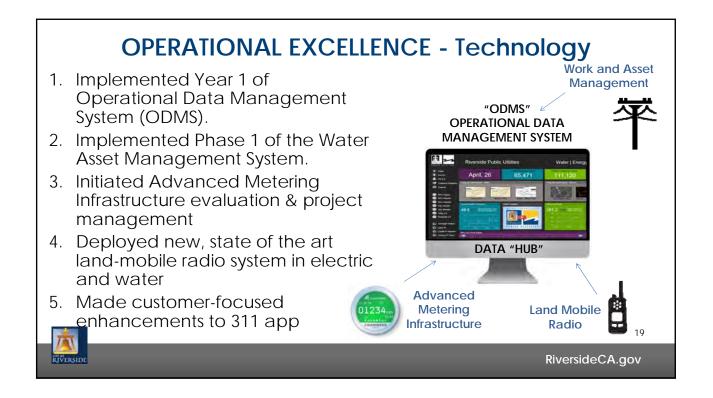
OPERATIONAL EXCELLENCE

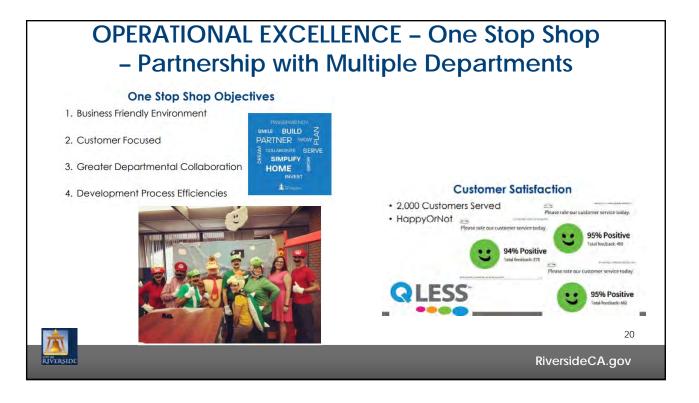
- 1. Tesla 12 Chargers on Mission Square Garage
- 2. Energy Storage 6 MW target
- 3. Coordinated with Contracts to consign and sell 597,431 allowances for 2017 generating \$7,572,731
- 4. Reduced RERC gas turbine exhaust emissions during start-up by 30%
- Saved \$6.4M in loss emissions credits by removing 9 gas turbines off the "shave" list
- 6. Completed External Lighting and Parking Garage Retrofit at Mission Square

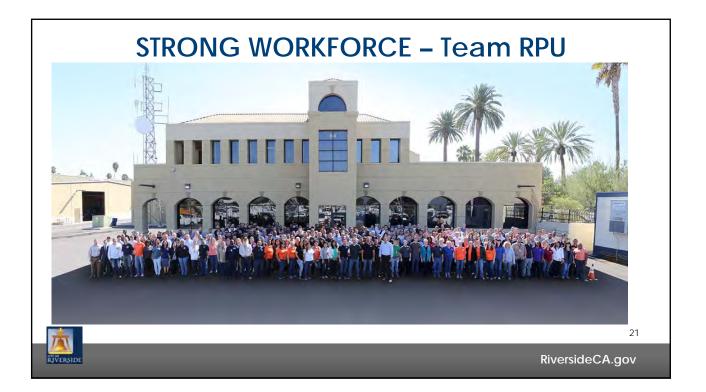
VERSID

 6-mile fiber backbone construction along Market and Magnolia underway and to be completed April 2018



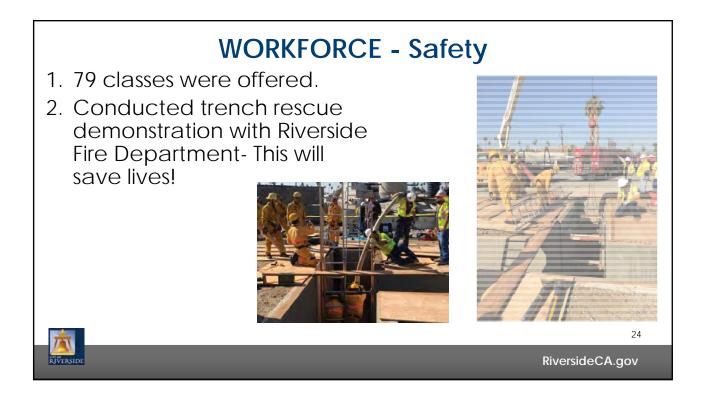








WORKFORCE – Training & Onboarding Launched "Go Sign Me Up" Employee Development Training 1. <u>à</u> , Portal RPU has defined seven Core 2. Competency focus areas with which all employees will need to be proficient to move toward Utility 2.0. Developed new employee on-3. boarding, career ladders, individual employee professional development plans. 23 7 **RiversideCA.gov**







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