Energy Infrastructure Planning Salt Lake County





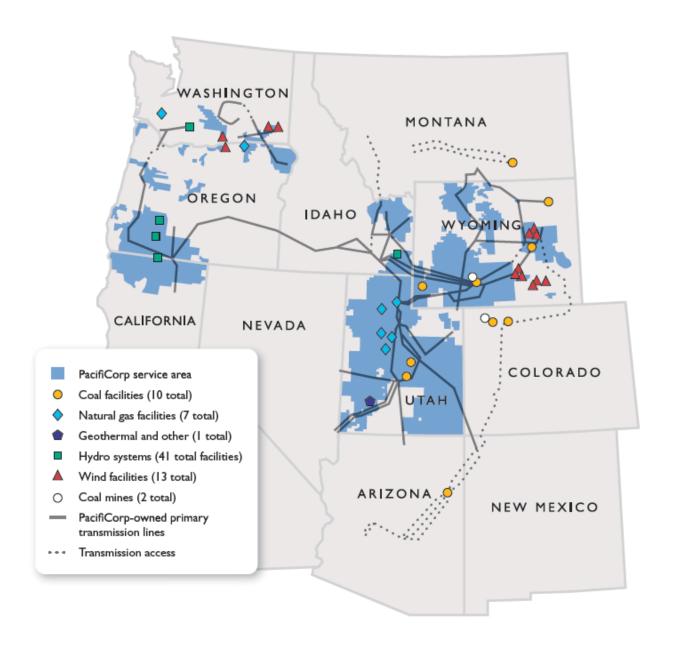








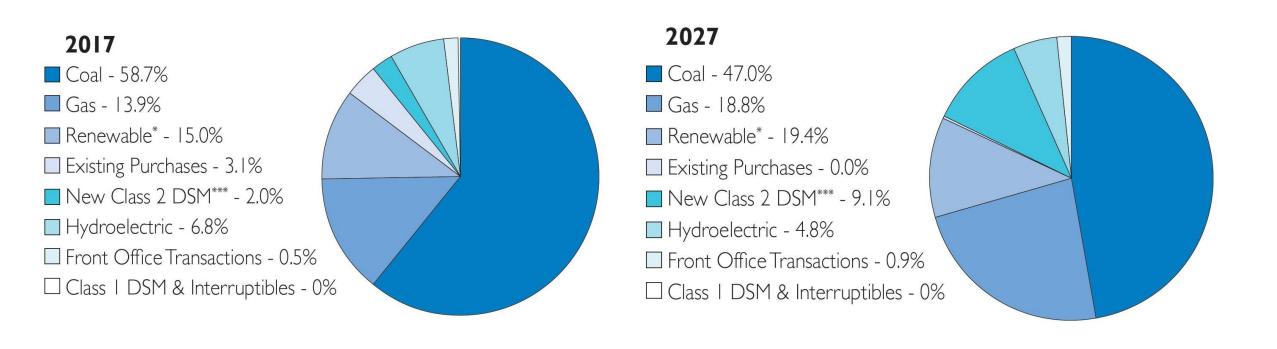




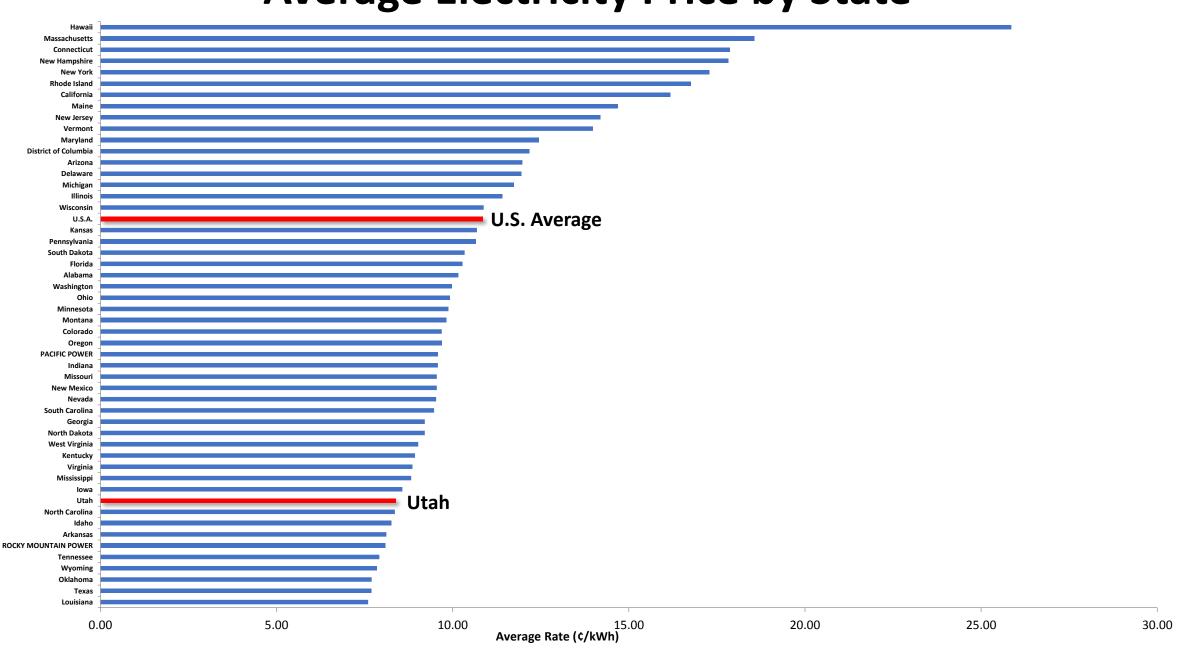
RMP Utah

- 892,849 customers
- 2,167 employees: \$224 million payroll
- State property taxes: \$69.1 million
- Net book value: \$7.3
 billion

Energy resource portfolio



Average Electricity Price by State



Regional & Community Planning

- Involve stakeholders
- Develop siting criteria for substations and transmission lines
- Identify location options based on siting criteria





	MVA	MVA	Percent	Actual
Year	Load	Capacity	Capacity	PF
2013	18.759	22.400	83.7	0.988
2014	18.742	22.400	83.7	0.989
2015	20.072	22.400	89.6	0.996
2016	19.933	22.400	89.0	0.995
2017	19.577	22.400	87.4	0.992
2018	19.851	22.400	88.6	0.992
2019	20.125	22.400	89.8	0.992
2020	20.399	22.400	91.1	0.992
2021	20.673	22.400	92.3	0.992
2022	20.947	22.400	93.5 t. Ld. Growth	0.992
	R2 is to 1.00 owth = 1.409	the better th		1.40%
he closer	R2 is to 1.00	the better th		1.4070
he closer or	R2 is to 1.00	the better th		1.4070
The closer or	R2 is to 1.00 owth = 1.409	the better th		1.40%
23 M 22 M	R2 is to 1.00 owth = 1.409	the better th		1.40%
23 M 22 M	R2 is to 1.00 owth = 1.409	the better th		1.40%
Forced Gro	R2 is to 1.00 owth = 1.409	the better th		1.40%
Proceed Grown Control of the closer of the c	R2 is to 1.00 owth = 1.409	the better th		1.40%

SUMMER

Determining Load

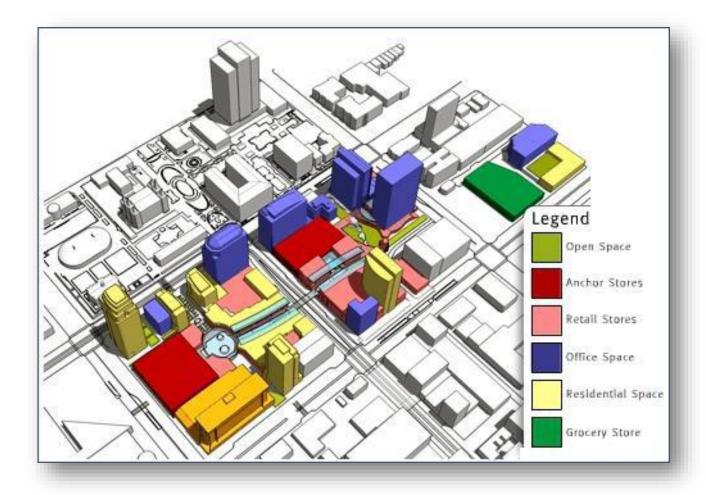


7 POWERING YOUR GREATNESS

Determining Load

City Creek Center – SLC

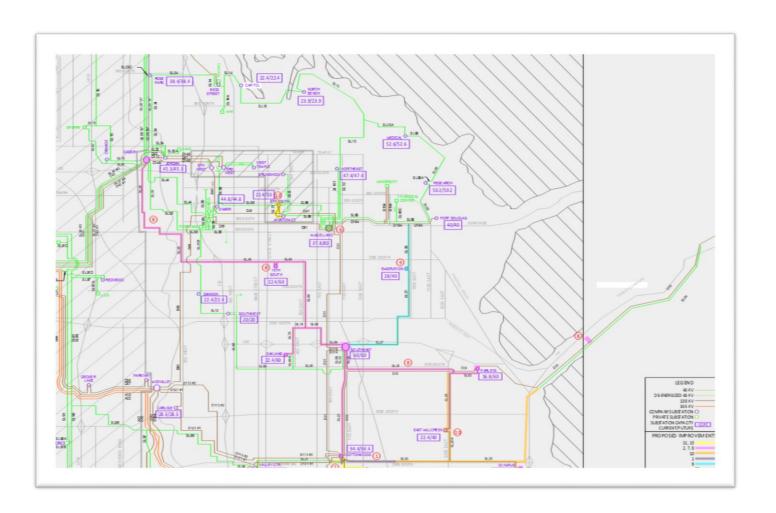
- 700,000 sq. ft. office/retail
- 300 urban residences
- 13 megawatts of load





Master Planning

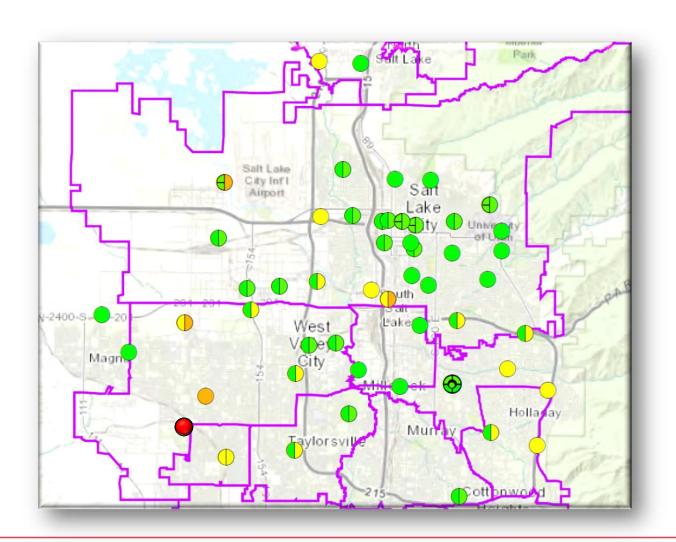
- Long-term plan providing conceptual layout for future growth and development
- Coordinates expansion of transmission system
- Develops solutions for improved reliability with the lowest community impact





10 Year Planning

- Plan to address near-term area load growth
- Based on realized growth patterns
- Identify multiple solutions and evaluate each using guidelines from the local planning handbook
- Develop project scope



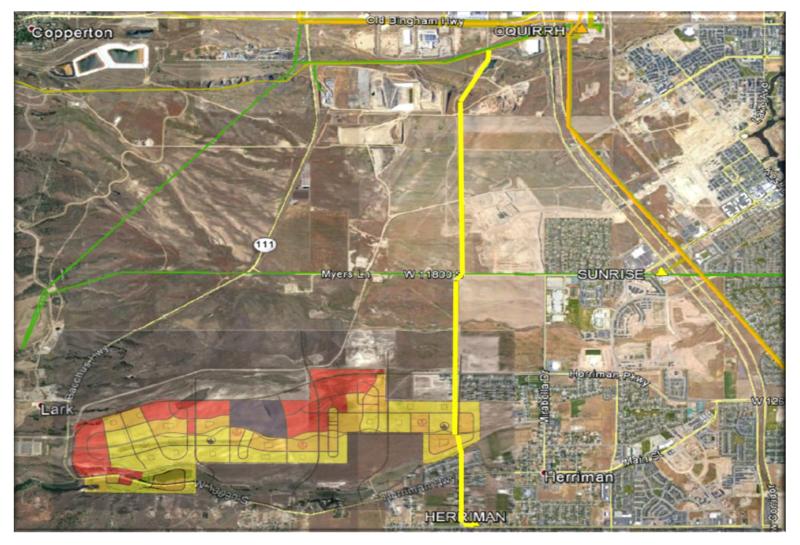


Development Planning

- Determine network upgrades to serve a defined load
 - Delivery voltage
 - In-service date
 - Load forecast
 - Load type
 - Site plan
 - Customer accommodations
- Plan provides a reasonable least-cost solution to serve the development



Development Planning



15 POWERING YOUR GREATNESS

Other Considerations

- Substation Siting
 - Availability of property
 - Distance from existing infrastructure
 - Space for transmission and distribution circuits
 - Access for large equipment
- Large concentration vs. small dispersed substations
 - Community impact
 - Reliability impact

