# VCBO

# Golden Spike Elementary

#### Design Goals & Market Data

#### **Power you buy: 23,043 kwh** 11.7 ¢ / kwh = \$ 5,327.00 / month

#### **Power you sell: 23,043 kwh** 1.7 ¢ / kwh

#### **Golden Spike Elementary**

Design Goal:

90 % Efficiency

#### SCHEDULE NO. 6, GENERAL SERVICE WITH DEMAND

**AVAILABILITY:** At any point on the City's interconnected system where there are facilities of adequate capacity.

**APPLICATION:** This schedule is for alternating current, single or three-phase service supplied at City's available voltage through one kilowatt-hour meter at a single point of delivery for all electric service required on the premises.

#### Customer Service Charge

Service	Monthly Charge	
Customer Service Charge	\$27.00	

Power Rate

The kW as shown by or computed from the readings of City's power meter, for the 15-minutes period of customer's greatest use during the month, determined to the nearest kW.

All kW over 10 kW	\$10.50/kW	
Energy Rate	367 -	

Usage	Rate	
Up to 500 kWh	\$0.1176/kWh	
501-8,000 kWh	\$0.1113/kWh	
8,001+ kWh	\$0.0516/kWh	



## NET ZERO VS NEAR ZERO

# "It doesn't pay to be a power producer beyond what you use."

ROCKY MOUNTAIN POWER

ELECTRIC SERVICE SCHEDULE NO. 6

STATE OF UTAH

**General Service - Distribution Voltage** 

AVAILABILITY: At any point on the Company's interconnected system where there are facilities of adequate capacity.

**APPLICATION:** This Schedule is for alternating current, single or three-phase electric service supplied at Company's available voltage, but less than 46,000 volts through a single point of delivery, for all service required on the Customer's premises. This Schedule is for nonresidential Customers whose loads have not registered 1,000 kW or more, more than once in the preceding 18-month period and who are not otherwise subject to service on Schedule 8. This Schedule is for general nonresidential service except for multi-unit residential complexes master metered in accordance with the Utah Administrative Code, Section R746-210. Service under this Schedule is also available for common areas associated with residential complexes.

MONTHLY BILL:

Customer Service Charge: \$53.00 per Customer

Facilities Charge: \$3.99 per kW

Power Charge:

Billing Months - June through September inclusive \$13.27 per kW

Billing Months - October through May inclusive \$11.74 per kW

Energy Charge:

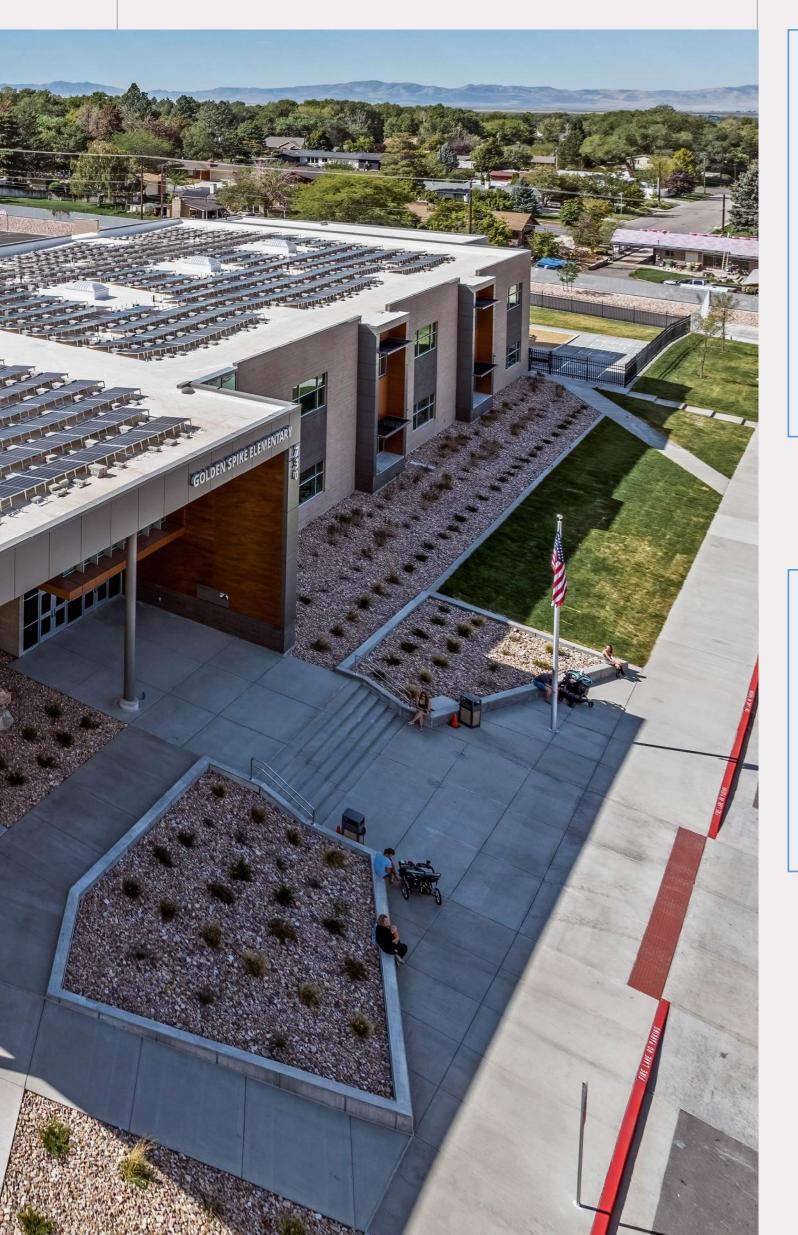
Billing Months – June through September inclusive 3.8878¢ per kWh for all kWh

**Billing Months** – October through May inclusive 3.4405¢ per kWh for all kWh



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# Golden Spike Elementary **Energy Analysis**



#### Mountain View / Foothill **Elementary combined 2021** Rates 86,000 SF TOTAL COMBINED AREA \$68,110.00 **ANNUAL POWER & GAS**

80¢/SF

**Golden Spike Elementary 2024** Rates 104,000 SF TOTAL COMBINED AREA \$35,065.00 ANNUAL POWER & GAS 33¢ / SF

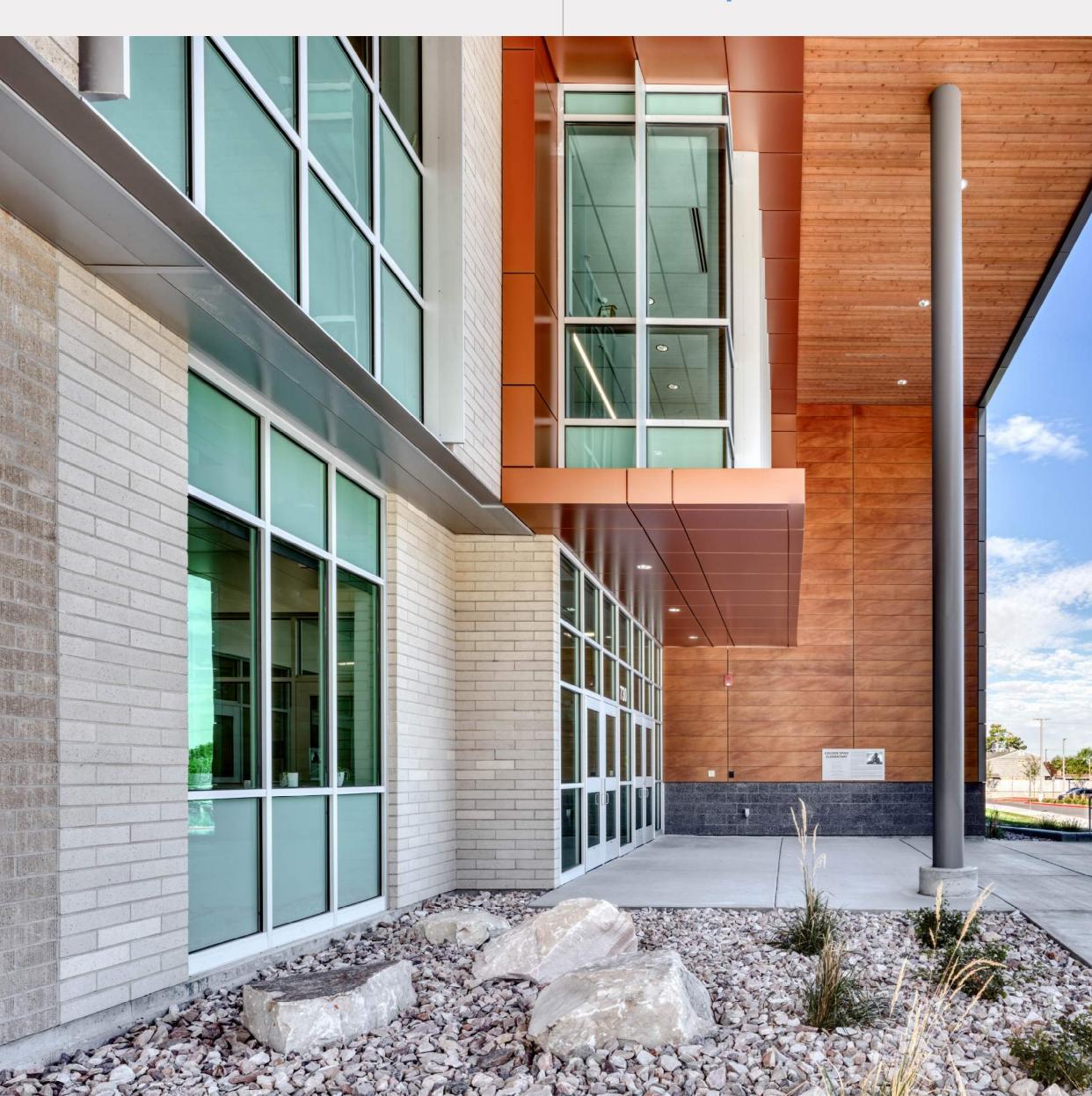






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### Golden Spike Elementary Takeaways



### A hedge against utility rate increases

- \$661,000.00 Utility savings over 20 years
- Your PV array carries a 20 year panel warranty
- Your PV array payoff = 13 years (\$231,350.00)
- From 2000 2013 rates increased at 5.6% / year
- PV Replacement is getting more and more efficient, & cheaper and cheaper each year, while utility rates continue to increase!
  - in 2011 PV =**\$1,200,000**
  - in 2021 PV = \$568,000
  - in 2031 PV = ???

