

Utilities**Numeric Response**

1. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The rates for Southwest Power are shown in the table below:

First 250 kWh	\$0.116 / kWh
Next 750 kWh	0.106 / kWh
Next 2,000 kWh	0.101 / kWh
Next 2,000 kWh	0.095 / kWh
Next 5,000 kWh	0.087 / kWh
More than 10,000 kWh	0.078 / kWh

The local Shop-2-Save used 14,700 kWh during last month's billing cycle. According to the rates above, how much is the bill? Express your answer as a dollar amount rounded to the nearest cent.

2. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The rates for Southwest Power are shown in the table below:

First 250 kWh	\$0.103 / kWh
Next 750 kWh	0.093 / kWh
Next 2,000 kWh	0.087 / kWh
Next 2,000 kWh	0.080 / kWh
Next 5,000 kWh	0.072 / kWh
More than 10,000 kWh	0.068 / kWh

The local Get'n Grab used 14,400 kWh during last month's billing cycle. According to the rates above, how much is the bill? Express your answer as a dollar amount rounded to the nearest cent.

3. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The rates for Northwest Power are shown in the table below:

First 250 kWh	\$0.116 / kWh
Next 750 kWh	0.104 / kWh
Next 2,000 kWh	0.096 / kWh
Next 2,000 kWh	0.088 / kWh
Next 5,000 kWh	0.084 / kWh
More than 10,000 kWh	0.078 / kWh

The local Evil Emporium used 13,300 kWh during last month's billing cycle. According to the rates above, how much is the bill? Express your answer as a dollar amount rounded to the nearest cent.

4. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The local Evil Emporium received a bill from Northwest Power for \$617, a bill from Groovy Gas for \$1,141, and a bill from Waterloo Water for \$335. How much will the utility bills be for the Evil Emporium?

5. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The local Kart King received a bill from Southwest Power for \$541, a bill from Gunther Gas for \$1,040, and a bill from Wavy Water for \$309. How much will the utility bills be for the Kart King?

6. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The local Evil Emporium received a bill from Southeast Power for \$860, a bill from Gassy Gas for \$874, and a bill from Wetter Water for \$415. Evil Emporium is making improvements to their building that should reduce their power bill by 4% and their gas bill by 11%. How much should the total of their utility bills be after the improvements? Express your answer as a dollar amount to the nearest cent.

7. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The local Kart King received a bill from Southeast Power for \$1,010, a bill from Gunther Gas for \$951, and a bill from Wavy Water for \$325. Kart King is making improvements to their building that should reduce their power bill by 4% and their gas bill by 6%. How much should the total of their utility bills be after the improvements? Express your answer as a dollar amount to the nearest cent.

8. Utilities can include water, electricity, or natural gas. Some utilities may add adjustment charges to cover changing costs.

The local Evil Emporium received a bill from Southwest Power for \$1,131, a bill from Greater Gas for \$1,027, and a bill from Waterloo Water for \$362. Evil Emporium is making improvements to their building that should reduce their power bill by 7% and their gas bill by 11%. How much should the total of their utility bills be after the improvements? Express your answer as a dollar amount to the nearest cent.

Utilities
Answer Section

NUMERIC RESPONSE

1. ANS: 1,302.10

PTS: 1

2. ANS: 1,088.70

PTS: 1

3. ANS: 1,152.40

PTS: 1

4. ANS: 2,093

PTS: 1

5. ANS: 1,890

PTS: 1

6. ANS: 2,018.46

PTS: 1

7. ANS: 2,188.54

PTS: 1

8. ANS: 2,327.86

PTS: 1

