Your monthly service charge for your telephone service depends on the total minutes per month, the number of phone lines, the type of equipment, and the type of service that you have. A federal excise tax is added to your telephone charge each month. The monthly cost of electricity depends on the demand charge and the energy charge. The fuel adjustment charge may be added by the electric company to help cover the fluctuating cost of generating electricity.

\[
\text{Total Cost for Month} = \text{Monthly Service Charge} + \text{Cost of Additional Minutes} + \text{Cost of Additional Lines} + \text{Federal Excise Tax}
\]

\[
\text{Total Electricity Cost for Month} = \text{Demand Charge} + \text{Energy Charge} + \text{Fuel Adjustment Charge}
\]

Use the chart below to solve Problems 1 and 2.

1. Jared’s Pharmacy has the $89.99 plan. Jared’s has 4 lines and used 1,230 minutes this past month. There is a 5 percent federal excise tax. What is the total cost for the month?

<table>
<thead>
<tr>
<th>Monthly Service Charge</th>
<th>Included Minutes</th>
<th>Additional Lines per Month</th>
<th>Additional Airtime per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>$59.99</td>
<td>up to 500</td>
<td>$19.99</td>
<td>$0.35</td>
</tr>
<tr>
<td>89.99</td>
<td>up to 1,000</td>
<td>14.99</td>
<td>0.30</td>
</tr>
<tr>
<td>119.99</td>
<td>up to 2,000</td>
<td>9.99</td>
<td>0.25</td>
</tr>
</tbody>
</table>

2. Lopez Realty has the $59.99 plan. The realty company has 2 lines and used 650 minutes this past month. There is a 3 percent federal excise tax. What is the total cost for the month?

Refer to the chart below for Problems 3–5.

3. Kilgan’s Grocery used 13,000 kilowatt hours of electricity last month. The peak load for the month was 80 kilowatt hours. What is the total cost of electricity for Kilgan’s Grocery?

4. P&J Printing used a total of 25,480 kilowatt hours of electricity for the month. The peak load during the month was 135 kilowatts. What is the total cost of electricity for the month?

5. You own the Sunrise Café. Last month you used 9,700 kilowatt hours of electricity with a peak load of 90 kilowatts. In addition to your monthly electricity bill, you have your telephone bill to pay. You are on the $119.99 plan. You have 3 lines and used 1,800 minutes last month. There is a 5 percent federal excise tax.

   a. Calculate last month’s telephone cost to the nearest cent.

   b. What was last month’s electricity bill?