## 2018 Rapid City Population Estimate

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Single Family Units</td>
<td>19</td>
<td>18</td>
<td>13</td>
<td>13</td>
<td>17</td>
<td>30</td>
<td>13</td>
<td>15</td>
<td>11</td>
<td>26</td>
<td>28</td>
<td>20</td>
<td>223</td>
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<tr>
<td>Multi-Family Units</td>
<td>12</td>
<td>24</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<td>160</td>
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<td>0</td>
<td>86</td>
<td>282</td>
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<td>Demolitions</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>16</td>
<td>28</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
<td><strong>41</strong></td>
<td><strong>12</strong></td>
<td><strong>11</strong></td>
<td><strong>14</strong></td>
<td><strong>28</strong></td>
<td><strong>12</strong></td>
<td><strong>15</strong></td>
<td><strong>171</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
<td><strong>16</strong></td>
<td><strong>477</strong></td>
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<tr>
<td>Group Homes</td>
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<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>12</td>
</tr>
</tbody>
</table>

### Calculations

\[
\begin{align*}
\text{Net Household Gain} &= \text{Total Household Gain} \times \text{Occupancy Rate}\% \\
\text{Persons per Household} &= \frac{\text{Net Household Gain}}{1,032} \\
\text{Group Home Population Increase} &= \text{Total Group Home Unit Gain} \times \text{Persons per Household} \\
\text{Population Increase From Annexation} &= \text{Annexations} \times \text{Persons Per Household} \\
\text{2018 Rapid City Population Estimate} &= 2017 \text{ Population Estimate} + \text{Household Population Increase} + \text{Annexation Population Increase} \\
\end{align*}
\]

*The occupancy rate and the persons per household are obtained from the Census Bureau for Rapid City, 1.38% Growth.

**Prairie Acres Mobile Home Park will be included in the 2019 population estimate based on effective date.
Population Growth Trends

*Demolitions are not included in this chart

- Single Family
- Multi-Family
- Group Home
- Annexation