The Role of Natural Gas in 20 Years in Korea

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Energy Mix in Korea

From the top Oil(39.7%) – Coal(28.9%) – LNG(16.4%) – Nuclear(12.2%) – Renewables(2.3%) – Hydro(0.5%) in 2010
# LNG Consumption Outlook

<table>
<thead>
<tr>
<th>Year</th>
<th>Town Gas</th>
<th>Power</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>15,510</td>
<td>10,407</td>
<td>25,917</td>
</tr>
<tr>
<td>2010</td>
<td>17,118</td>
<td>14,724</td>
<td>31,842</td>
</tr>
<tr>
<td>2015</td>
<td>19,210</td>
<td>15,805</td>
<td>35,015</td>
</tr>
<tr>
<td>2020</td>
<td>20,298</td>
<td>12,617</td>
<td>32,915</td>
</tr>
<tr>
<td>2024</td>
<td>21,770</td>
<td>12,345</td>
<td>34,115</td>
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Average Growth Rate
- **Town Gas**: 2.3%
- **Power**: 1.1%
- **Total**: 1.8%

2010 Korea Government Outlook for Natural Gas
Unit: Ton
What are the Issues?

• In relation to Fukushima Accident,
• Is the LNG Consumption Outlook of Korea practical?
• Is Nuclear sustainable and safe?
• How to generate electricity without Nuclear?
  • Natural Gas
  • Coal
  • Renewables
• How to meet the demand of Natural Gas?
  • Russia?
How to import Russian Gas?

- Total Length 1,122km with Russia 150km, North Korea 740km, South Korea 232km.
- In 2017, 7.5 Million ton per Year by PNG (not yet confirmed)
- In 2020, the Rate of Russian Gas in Total Natural Gas: 27.3% (2020) from 8.5% (2010) (Outlook)
Conclusion