Selected NGS Sites

- Akkuyu NPP
- Sinop NPP Site
- 3rd NPP Site
Electricity Consumption Projection

Outlook of 2053 Energy Mix

- Nuclear: 29%
- Thermal: 3%
- Renewables: 68%

Energy Mix

- Renewables
- Thermal
- Nuclear

ELECTRICITY DEMAND (GW)

- Renewables
- Nuclear
- Thermal
- Electricity Demand

Year: 2024, 2027, 2030, 2033, 2036, 2039, 2042, 2045, 2048, 2051, 2053

TWH: 350, 382, 418, 456, 499, 545, 596, 651, 711, 777, 825

Years: 2024, 2027, 2030, 2033, 2036, 2039, 2042, 2045, 2048, 2051, 2053
### 2053 NZE Target for Nuclear Energy-Long Term Estimation

#### Installed Capacity of NPP and SMR (GW)

<table>
<thead>
<tr>
<th>Scenario</th>
<th>NPP</th>
<th>SMR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenario-1</td>
<td>15</td>
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<tr>
<td>Scenario-2</td>
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<td>9</td>
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<tr>
<td>Scenario-3</td>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>Scenario-4</td>
<td>29</td>
<td></td>
</tr>
</tbody>
</table>

Either the 16 NPP will be implemented in four different site and each site will be consisted of four reactors, or two site will be consisted of 4 reactors each and others are 6.

Rest will be filled by SMR in various sites.