Scenarios for Growth of Gross State Domestic Product

Scenario A

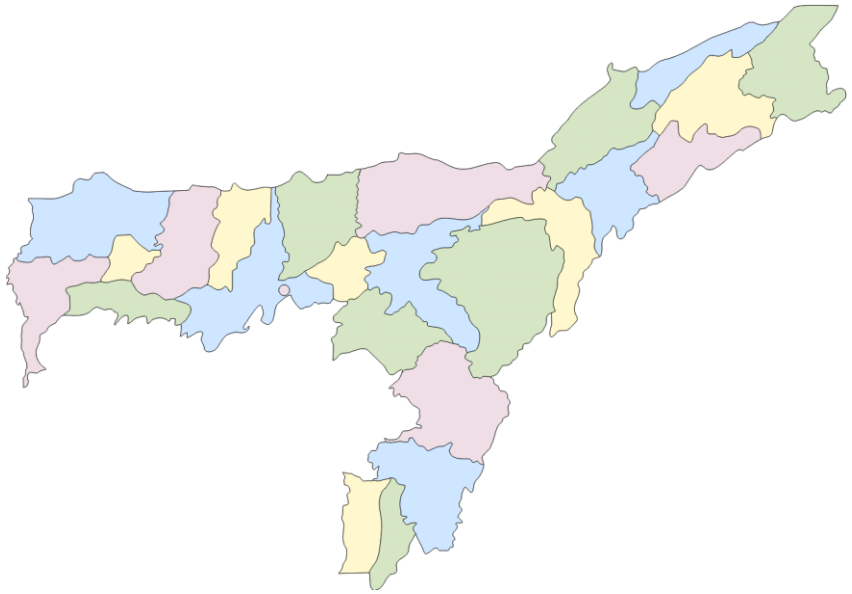
Scenario A assumes a 8% Compounded Annual Growth Rate till the year 2050.
This figure has been adopted based on discussions with stakeholders in the state.

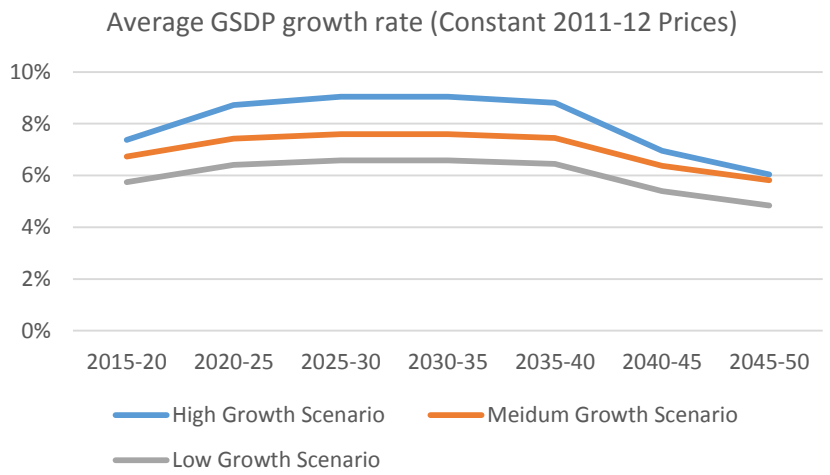
Scenario B

Scenario B assumes a 7 % Compounded Annual Growth Rate till the year 2050.
This figure has been adopted based on discussions with stakeholders in the state.

Scenario C

Scenario C assumes a 6% Compounded Annual Growth Rate till the year 2050.
This figure has been adopted based on discussions with stakeholders in the state.





Gross State Domestic Product (GSDP) of the state is the most important underlying assumption for energy scenario building exercise. Keeping in view the state government's vision and historical growth rates, three different GSDP scenarios have been provided.

Energy demand from different sectors depends on expected GSDP growth, hence a detailed exercise was carried out to estimate elasticity of activities of different sectors to three assumed GSDP scenarios. Energy demand for each demand sector has been estimated using these elasticities under different GSDP scenarios. Hence, user can observe that energy demand is high for higher GSDP scenario.

The state energy calculator also enables the users, to assess implications of their choices on costs, for the chosen GSDP scenario. This lever changes industry output, cooking fuel mix, transport demand, ownership of residential lighting and appliances and floor space per capita in buildings.

The default scenario in this calculator is Scenario B, i.e. 7% CAGR till 2050. The annual growth rate is high during initial years and decreases slowly till 2050. Users can select Scenario A and Scenario C also, in the 'Growth of the Economy' section.