

Mobility Energy Revolution and the Development

-Notable Highlights such as Demand Decrease, Vulnerability and Resilience related with Energy Trends in Japan-

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Upon request, author tried to discuss the wide range of notable energy trend and the drivers on it. They are indispensable for consideration of mobility energy revolution. The author made much of the notable discussion regarding the economical growth strategies. This time, changed and unchanged characteristics were considered. Upon request, author tried to discuss the wide range of notable energy trend and the drivers on it. They are indispensable for consideration of mobility energy revolution.

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1.Changed Characteristics

Indeed, in 2019-2022, natural disaster, pandemic and national security issues were especially highlighted. They reflected energy demand and supply discussions. Views in mid-term renewable energy discussions until 2100 will now be considered. (Even though the national fundamental energy plan cover until 2050 mainly.)

Indeed, population change in Japan till 2100 is huge enough but, sometimes they are ignored. In such condition, demand decrease doesn't always rationalize the infrastructure investment even though we make much of the entrepreneurial demand boost. In addition, outside drivers due to vulnerability such as natural disaster, pandemic, national security issues, when we consider the probable social realization of renewable energy into society balancing demand and supply.

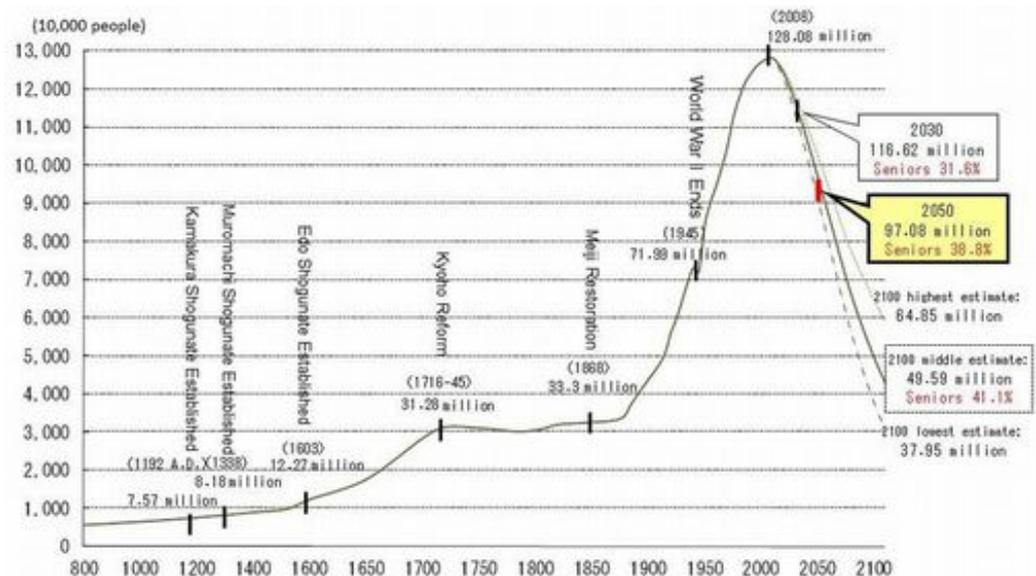
2.Unchanged Characteristics

Key issues regarding daily life such as housing and fundamentals of life, life-style changing (life course change) and vulnerabilities. Past history and cultural anthropology suggested the situation.

- 1)Importance of National Security
 - 2)Unchanged fundamentals life of human being
 - 3)Reconsideration Capitalism of Nation and Region
- are examples.

3. Mobility Scope Change

In JSAE discussions, above mentioned consideration is also important. Indeed, the wide scope of energy consideration lead us novel approach of mobility energies regarding truck transportation, shipment and air cargo. Innovation related with energy sector is still another highlight.



Source: Prepared by the National and Regional Planning Bureau, Ministry of Land, Infrastructure, Transport and Tourism, based on "Population Census" by the Ministry of Internal Affairs and Communications (MIC), "Population Estimates" by MIC, "Intercensal Adjustment of Current Population Estimates (2000-2005)" by MIC, "Population Projections for Japan: 2006-2055: Outline of Results, Methods, and Assumptions" by the National Institute of Population and Social Security Research, and "Long-term Time-series Analysis of Population Distribution Change in the Japanese Archipelago (1974)" by the National Land Agency.

Fig.1. Population Change in Japan from 2005 to 2100