**Load Projection**

This process helps to plan the future in terms of the size, location, and type of the future generation plant. It also allows the utility company to plan well since it has an understanding of future consumption or load demand. According to the Department of Energy (DOE), this data below shows the load projection particularly the distribution utilities operating in Batangas provice that includes BATELEC I, BATELEC II, FBPC, and IEEC. The Manila Electric Company (MERALCO) was also considered in the load projection.

**Table \_**

**Projected Load in MW from 2020-2030**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Year | BATELEC I | BATELEC II | FBPC | IEEC | MERALCO | TOTAL |
| 2020 | 70.34 | 163.33 | 9.11 | 4.75 | 5783 | 6030.53 |
| 2021 | 73.32 | 170.53 | 9.13 | 4.90 | 5924 | 6181.88 |
| 2022 | 76.28 | 178.05 | 9.09 | 5.06 | 6134 | 6402.48 |
| 2023 | 79.25 | 185.89 | 9.11 | 5.22 | 6355 | 6634.47 |
| 2024 | 82.20 | 194.07 | 9.11 | 5.39 | 6577 | 6867.77 |
| 2025 | 85.15 | 202.61 | 9.10 | 5.56 | 6815 | 7117.42 |
| 2026 | 88.57 | 210.96 | 9.02 | 5.74 | 7045 | 7359.29 |
| 2027 | 92.13 | 219.65 | 8.95 | 5.92 | 7270 | 7596.65 |
| 2028 | 95.99 | 228.70 | 8.89 | 6.11 | 7477 | 7816.69 |
| 2029 | 99.85 | 238.12 | 8.82 | 6.31 | 7690 | 8043.1 |
| 2030 | 103.86 | 247.93 | 8.75 | 6.51 | 7909 | 8276.05 |

*Source: Department of Energy*

This table shows the projected load for BATELEC 1, BATELEC II, First Bay Power Corporation (FBPC), IEEC and Manila Electric Company (MERALCO) from 2020 to 2030 in Batangas distribution load. The Batangas’ load projected demand in 2020 is equal to 6030.53 MW and after ten years, the demand increases to 8276.05 MW. The average growth rate demand supply was 2.83 % for around ten years.

Assuming that no other power stations will provide the additional demand, the proposed \_ MW power plant will reach its capacity within the next \_ of operation upon finishing of establishing within the next 10 years.